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DMS-100 Family

NT-ACCESS

User Guide

NTA414

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DMS-100 Family

NT-ACCESS

User Guide

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Publication history

Date	Revisions
October 2003	Revisions for software release 414 of NT-ACCESS include the following: • Changed all references of Northern Telecom to Nortel Networks • Removed references to the *Questionnaire Quick Reference Documents* since they are no longer supported • Added Succession Network office type as being supported • Chapter 1 (NT-ACCESS): Updated the NT-ACCESS regional coordinator listing; updated NT-ACCESS Support procedures • Chapter 2 (Provisioning): Removed MEMCALC interface references; added changes made to the report screen • Removed Chapter 6 (Memory Calculation System) since MEMCALC is no longer integrated or accessed from NT-ACCESS • Removed Chapter 10 (Trouble Ticket List) since the Customer Service Data System is no longer used • Chapter 16 (Customer Access Guide): Removed references to KERMIT download method since it is no longer available; removed Pulselink access numbers no longer in service • Deleted Chapter 18 (PEC Qualifiers) since PEC Qualifier descriptions are available in the PQ Identification Report (PQREPT) • Chapter 19 (OM Cross Reference): Deleted several OMs since question reference no longer exists; corrected several misspelled column names • Deleted the NT-Access questionnaires (Volume 2 of this document)

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Date	Revisions (continued)
November 1999	Revisions for software release 411 of NT-ACCESS include the following: • Chapter 7 (Technical Information Library): Updated to incorporate web browser functionality. • Chapter 9 (News Bulletins): Updated to reflect Report Manager screen changes. • Chapter 10 (Trouble Ticket List): Updated to incorporate CSDS Service Request report format and fields, and to reflect Report Manager Screen Changes. • Chapter 18 (PEC Qualifiers): Updated existing list.
May 1999	Revisions for software release 410 of NT-ACCESS include the following: • PC Interface: Chapter and functionality have been deleted. • Chapter 18 (PEC Qualifiers): Updated existing list. • Deleted HOST QQR section. • Deleted REMOTE QQR section.
November 1998	Revisions for software release 409 of NT-ACCESS include the following: • Chapter 2 (Provisioning): Update PAQS/SOLID section to reflect new menus and functionality. • Chapter 7 (Job Tracking): Chapter and functionality has been deleted. • Chapter 9 (Technical Information Library): Complete rewrite of chapter to reflect new menus and functionality. • Chapter 15 (Order Entry): Chapter and functionality has been deleted. • Chapter 21 (PEC Qualifiers): Updated existing list. No updates required for release 409 of the REMOTE QQR. No updates required for release 409 of the HOST QQR.

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Date	Revisions (continued)
June 1998	Revisions for software release 407 of NT-ACCESS include the following: • All Chapters: All menus were updated to reflect a millennium compliance date format (mm/dd/yyyy). • Chapter 1 (NT-ACCESS): Update creating an extension process and flow charts to switch the PREPARE and REFORMAT steps. • Chapter 12 (Trouble Ticket List): Update to include new trouble ticket status (AK). Revisions for software release 407 of the HOST QQR include the following: • Chapter 3 (Controllers): Add info regarding Nortel Direct Model order input. Remove Sonet DMS and MSB7 sections. • Chapter 6 (TOPS): Modify calculations for TOPS TMS equipment and TOPS IWS positions. Revisions for software release 407 of the REMOTE QQR include the following: • Chapter 4 (RLM/RLCC/RLCM/OPM/RSC): Remove calculation section for SMAs.
October 1997	Revisions for software release 406 of NT-ACCESS include the following: • Chapter 2 (Provisioning): Update MEMCALC section to reflect the functionality changes to Integrated MEMCALC. • Chapter 5 (Job Maintenance system): Update section and screen captures to remove ACCEPT. • Chapter 21 (PEC Qualifiers): Updated existing list. Revisions for software release 406 of the HOST QQR include the following: • Chapter 3 (Controllers): Added additional information to SMA2/ESMA section. Added ELPP and LIU information. • Chapter 4 (Input/Output): Add DAT and IOM information. • Chapter 5 (Maintenance Testing): Added EDRAM information. No revisions were added for software release 406 of the REMOTE QQR.

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Date	Revisions (continued)
July 1997	Revisions for software release 405 of NT-ACCESS include the following: • Chapter 1 (NT-ACCESS): Update all process flow guideline tables to include a LOCK FINAL step for Nortel engineering. • Chapter 2 (Provisioning): Update MEMCALC section to reflect the functionality changes to Integrated MEMCALC. • Chapter 21 (PEC Qualifiers): Added new PEC qualifiers to existing list.
July 1997	Revisions for software release 405 of the HOST QQR include the following: • Replace all references to NTP 297-1001-450 with PLN-8991-104. • Chapter 2 (Lines and Trunks): Add calculations for LCM switched channels and links per LCM. • Remove PAQS100 table references.
July 1997	Revisions for software release 405 of the REMOTE QQR include the following: • Replace all references of NTP 297-1001-450 with PLN-8991-104. • Chapter 3 (Lines and Sonet RSC): Update all LCM and LCM port calculations. • Remove PAQS100 table references.
February 1997	Revisions for software release 404 of NT-ACCESS include the following: • All Chapters: Revision bars no longer appear (in accordance with established Northern Telecom documentation standards). • Publication History: Deleted the last paragraph, which describes the use of revision bars.

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Date	Revisions (continued)
	Revisions for software release 404 of the Host QQR include the following: • Publication History: Deleted statement at the end of the history about revision bars appearing in the Table of Contents. • All Chapters: Revision bars no longer appear (in accordance with established Northern Telecom documentation standards). • Chapter 1 (Lines and trunks): Calculations for LCM ports changed or deleted; LCME overrides added to Sonet RSC Base capability. • Chapter 2 (Controllers): Added references to GTR cards and limitations to IXC DTCs. • Chapter 4 (Maintenance testing): Updated numbers for appropriate Digitone Receivers. • Chapter 7 (Software check): Added references to the PAQS–SOLID Software Order Display. Revisions for software release 404 of the Remote QQR include the following: • All Chapters: Revision bars no longer appear (in accordance with established Northern Telecom documentation standards). • Publication History: Deleted the last paragraph, which describes the use of revision bars. • Chapter 2 (Lines and Sonet RSC): Added calculations for non-ISDN lines on LCM ports. Table 2–2 (Slots required for lines): Clarified the use information for Line Card Type ‘S’. Added LCME overrides to the Sonet RSC Base Capability section.
August 1996	Revisions for software release 403 of NT-ACCESS include the following: • Chapter 1 (NT-ACCESS): Updated the NT-ACCESS regional coordinators list. • Chapter 6 (Memory Calculation System): Added new information to existing functions. • Chapter 13: Automated Trouble Log changed to Trouble Ticket List; updated new screens to match. • Chapter 22: Added new PEC qualifiers to the existing table. Revisions for software release 403 of the Host QQR include the following: • Chapter 3 (Input/Output): Updated all sections except Magnetic Tape Drive (MTD). • Chapter 4 (Maintenance testing): Updated section on EDRAM with the addition of SYS type ETOPTB.
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Date	Revisions (continued)
	Revisions for software release 403 of the Remote QQR include the following: • Chapter 3: Universal Tone Receiver is changed to UTR/GTR to reflect the addition of Global Tone Receiver.
March 1996	Revisions for software release 402 of NT-ACCESS include the following: • Chapter 1 (NT-ACCESS): Updated the NT-ACCESS regional coordinators list. Added phone number for engineering Help Desk. Deleted references to specific training courses and made other miscellaneous changes. • Chapter 2 (Provisioning): Added new references to Network Application Vehicle (NAV). Added new software ordering procedure with PAQS/SOLID Interface. • Chapter 5 (Job Maintenance System): Added new archive groups and included other miscellaneous changes. Revisions for software release 402 of the Host QQR include the following: • Chapter 4 (Maintenance testing): Updated section on EDRAM and deleted reference to Datapath Modem Pooling. Revisions for software release 402 of the Remote QQR include the following: • Chapter 2 (Lines and Sonet RSC): Revised ISDN Line Concentrating Equipment Provisioning information.
October 1995	Revisions for software release 401 of NT-ACCESS include the following: • Chapter 1 (NT-ACCESS): Updated the NT-ACCESS regional coordinator's list and made other miscellaneous changes. • Chapter 2 (Provisioning): Deleted references to the Software Editor function in interactive provisioning. This function has been replaced by the PAQS to SOLID Interface. Made changes to PAQS/SOLID Interface section. Added two new screen displays. • Chapter 6 (Memory Calculation System): Updated documentation on MEMCALC process. Added one new screen and updated two others. Revised editing questionnaire commands Revisions for software release 401 of the Host QQR include the following: • Chapter 2 (Controllers): Updated Subscriber Module Access 2 provisioning, especially to reflect EDCH card and NA004 software load. • Chapter 4 (Maintenance testing): Changed DRAMS calculation algorithms, and updated General Information to reflect new EDRAM (NT1X80AA) card. Updated section on CLASS to reflect ECLASS, and also updated General Information. No revisions were added for software release 401 of the Remote QQR.

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Date	Revisions (continued)
April 1995	Revisions for software release 400 of NT-ACCESS include updating job naming, PAQS to Solid interface, software check and miscellaneous changes. Revisions for software release 400 of the Host QQR include the following: • Chapter 1 (Lines and Trunks): Updated Line Card Provisioning with the new NT6X21AD P-phone interface line card. • Chapter 2 (Controllers): Added the Subscriber Module Access 2 Interface area showing calculations and overrides. Updated the ISDN Controller Module with additional calculations for PRA. • Chapter 6 (Building Block Cross Reference): Updated PECs and cross references. Revisions for software release 400 of the Remote QQR include the following: • Chapter 2 (Lines and Sonet RSC): Updated line card provisioning with the new NT6X21AD line card interface for P-phones.
September 1994	Revisions for software release 252 of NT-ACCESS include the following: • Chapter 1 (NT-ACCESS): Updated the NT-ACCESS regional coordinator's list including miscellaneous changes. • Chapter 2 (Provisioning): Adding new references to Product CM Loads (PCL). • Chapter 6 (Memory Calculation System): Adding support reference to Product CM Loads (PCL). Revisions for software release 252 of the Host QQR include the following: • Chapter 2 (Controllers): Change grade of service to that reflected by tables for the UTR circuits. • Chapter 3 (Input/Output): Add the Hybrid Billing Server information to the chapter. No revisions were added for Release 252 of the Remote QQR.

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Date	Revisions (continued)
June 1994	Revisions for software release 251 of NT-ACCESS include the following: • Chapter 1 (NT-ACCESS): Updated the NT-ACCESS regional coordinator's list. • Chapter 2 (Provisioning): Adding documentation referencing PROVNOEQ – Provision No Equipment feature. • Chapter 4 (Job Maintenance): Adding documentation referencing optional CLLI code displays. • Chapter 6 (Memory Calculation System): Adding documentation referencing AUTOPARM, a simplified process for populating a portion of the NT-ACCESS MEMCALC inputs for standard software load jobs, including Universal Software Loads.
May 1994	Revisions for software release 251 of the Host QQR include the following: • Chapter 2 (Controllers): Added functionality for the TR303 compliant interface to the SMA (BCS-36). • Chapter 3 (Input/Output): Added the 2.5 inch (250 MB) Disk Drive Unit. No revisions were added for Release 251 of the Remote QQR.
January 1994	Revisions for software release 250 of the Host QQR include the following: • Chapter 1 (Lines and Trunks): Updated the Line Concentrating Module (LCM) and LCMI with the new NT6X71BA Datapath line card. • Chapter 2 (Lines and Trunks): Added NT6X71BA Datapath line card to the General description. Updated General information for the Subscriber Module Access (SMA) as to maximum of RDTs in an office. Updated General information for the Subscriber Module SLC-96 Interface (SMS) for the support of UTRs in the module. • Chapter 5 (TOPS): Added TOPS MPX IWS positions and calculations plus revised calculations for all types of positions. • Chapter 7 (Software check): Deleted software check for ACD packages. Updated DMS SuperNode software and related questions. Added SuperNode SE60 and SE20 software provisioning.

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Date	Revisions (continued)
January 1994	Revisions for software release 250 of the Remote QQR include the following: • Chapter 2 (Lines and Sonet RSC): Updated the LCM and LCMI with the new NT6X71BA Datapath line card. • Chapter 2 (Lines and Sonet RSC): Added NT6X71BA Datapath line card to the General description. • Chapter 3 (RLM/RLCC/RLCM/OPM/RSC): Removed the Subscriber Module Access Interface that was previously included. SMA is not a part of the Remote portfolio.
July 1993	Revisions for software release 241 of NT-ACCESS include the following: • Chapter 1 (NT-ACCESS): Updated the NT-ACCESS regional coordinator's list. • Chapter 2 (Provisioning): Updated BCS information. • Chapter 6 (Memory Calculation System): Updated Memory Calculation System menu (Figure 6–4) and menu item references. • Chapter 10 (Office PARMS): Updated release and BCS information. Revisions for software release 241 of the Host QQR include the following: • Chapter 1 (Lines and Trunks): Updated the Line Concentrating Module (LCM) NT6X04xx "General Information" section. Updated the Digital Trunk Requirements "Calculations" section. • Chapter 3 (Input/Output): Updated the Disk Drive Unit (DDU) Requirements NT4X00 "Calculations" and "General Information" sections. Revisions for software release 241 of the Remote QQR include the following: • Chapter 2 (Lines and Sonet RSC): Revised Line Concentrating Module (LCM) NT6X04xx general information.
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Date	Revisions (continued)
April 1993	Revisions for software release 240 of NT-ACCESS included changing the NT-ACCESS documentation order number, revising the regional coordinators listing, the PEC qualifiers listing, and the NT-ACCESS support phone number, and renaming reports. Adding NT-ACCESS support for Integrated Packet Handler configurations, adding new reports, a new EDITEQ PF key, an A-Disk space availability warning, and adding screen functions. Adding new manuals to the Technical Information Library, and Base number retrieval capability to Revised Drawing/Spec Retrieval. Enhancing Building Block functionality and deleting the report POSTCI Change Notes (NOTERPT). Replacing the manual Order Entry Feature Activation Request Form with an electronic version.
April 1993	Revisions for software release 240 of the Host QQR include the following: • Chapter 2 (Controllers): Updated the D Channel Handler. Added the Enhanced Subscriber Module Interface and the Subscriber Module Access Interface. • Chapter 4 (Maintenance testing): Changed General Information (on cards) and the quantity of TYPE (Service Circuit Override Table column) in Conference Circuit NT3X67AA. Changed calculations for Digital Recorded Announcement Machines (DRAMS)–Standard. • Chapter 7 (Software check): Added values to table and calculations. • Chapter 8 (Office Parameters-Question IDs): Added a cross-reference table.
April 1993	Revisions for software release 240 of the Remote QQR include the following: • Chapter 2 (Lines and Sonet RSC): Revised Sonet RSC Base Capacity calculations. • Chapter 3 (RLM/RLCC/RLCM/OPM/RSC): Revised Subscriber Carrier Module-100S Remote.
December 1992	Issue 230.2 of the Host QQR was released as a supplement to NTACCESSV1.
September 1992	Revisions for software release 230.0 of NT-ACCESS included adding the ability to retrieve job specifications as well as drawings from the CADES database using NT-ACCESS, adding new fields to screens, changing report names, updating the NT-ACCESS regional coordinators listing, and updating Network sign-on Procedures in the Customer Access Guide. The provisioning algorithms were updated to reflect changes per software release230.0.

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Date	Revisions (continued)
	The provisioning algorithms were updated to reflect changes per software release 230.0.
April 1992	Revisions for software release 221.0 of NT-ACCESS included adding new reports, new commands, new procedures, features, and modifying the access procedures.
	Algorithms were updated and the PAQS100 table references were replaced to reflect the new simplified engineering rules.
	Changed the format of this document to meet the corporate standards for customer documentation established in 1989.
	The algorithms were updated and the tables were replaced to reflect the new, simplified engineering rules.
August 1991	Revisions for software release 220.0 of NT-ACCESS included updating the format to meet standards for COMPASS, standardizing the PF keys, replacing Telenet with SPRINTNET, updating the issue number to include the current dot release, and adding feature requests.
	Changed the format of this document to meet the corporate standards for customer documentation established in 1989. Scan Point algorithms, Sonet DMS algorithms, TOPS algorithms, a software check cross reference, and a building blocks cross reference were added.
January 1991	Revisions for software release 219 of NT-ACCESS included changing the format of the document to meet the corporate standards, standardizing menu selections and PF key functions, introducing PRISM, expanding PC interface, and adding feature requests.
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Contents

About this document

When to use this document

This document applies to all DMS-100 Family offices. This manual, intended as a reference guide for planning and ordering equipment, is useful as a supplement to the extensive HELP screens that provide detailed instruction for every step of the provisioning and quotation process. The Nortel Networks mainframe computer must be accessed in order to use NT-ACCESS. Several communications packages provide an interface to the mainframe computer from customer-owned terminals. Chapter 14, “Customer Access Guide,” defines the logon procedures for the more common communications packages. NT-ACCESS is available 24 hours a day except during system maintenance which usually occurs weekly on Sunday between 6:00 A.M. and 12:00 P.M., Eastern Standard Time.

How to check the version and issue of this document

The version and issue of the document are indicated by numbers, for example, 01.01.

The first two digits indicate the version. The version number increases each time the document is updated to support a new software release. For example, the first release of a document is 01.01. In the *next* software release cycle, the first release of the same document is 02.01.

The second two digits indicate the issue. The issue number increases each time the document is revised but re-released in the *same* software release cycle. For example, the second release of a document in the same software release cycle is 01.02.

To determine which version of this document applies to the software in your office and how documentation for your product is organized, check the release information in the *DMS-10 and DMS-100 Family Product Documentation Directory*, 297-8991-001.

This document is written for all DMS-100 Family offices. More than one version of this document may exist. To determine whether you have the latest version of this document and how documentation for your product is

organized, check the release information in the *DMS-10 and DMS-100 Family Product Documentation Directory*, 297-8991-001.

Information used throughout this document

The following information is used throughout this document.

Indication of hyperlinks

Hypertext links in this document are indicated in blue. If you are viewing a PDF version of this document, you can click on the blue text and jump to the associated section or page.

Document navigation

If you are viewing a PDF version of this document, you can click on the following toolbar icons at the top of the document window to easily go to the desired page:

Table i
PDF documentation navigation icons

Icon	Description
	Go to the first page of the document
	Go to the last page of the document
	Go to the previous page
	Go the next page
	Go the last viewed page
	Go to the next viewed page. (Used when you have already viewed a series of pages and have gone to a previously viewed page, this icon takes you to the next page in the series you viewed.)

How commands, parameters, and responses are represented

Commands, parameters, and responses in this document conform to the following conventions.

Input prompt (>)

An input prompt (>) indicates that the information that follows is a command:

>BSY

Commands and fixed parameters

Commands and fixed parameters that are entered at a MAP terminal are shown in uppercase letters:

>BSY CTRL

Variables

Variables are shown in lowercase letters:

>BSY CTRL ctrl_no

The letters or numbers that the variable represents must be entered. Each variable is explained in a list that follows the command string.

Responses

Responses correspond to the MAP display and are shown in a different type:

```
FP 3 Busy CTRL 0: Command request has been submitted.
FP 3 Busy CTRL 0: Command passed.
```

The following excerpt from a procedure shows the command syntax used in this document:

1 Manually busy the CTRL on the inactive plane by typing

>BSY CTRL ctrl_no
and pressing the Enter key.

where

ctrl_no is the number of the CTRL (0 or 1)

Example of a MAP response:

```
FP 3 Busy CTRL 0: Command request has been submitted.
FP 3 Busy CTRL 0: Command passed.
```

NT-ACCESS – an overview

What is NT-ACCESS?

NT-ACCESS is an umbrella of systems that provide fully automated provisioning and pricing capabilities for the DMS-100 Family product line and is designed to streamline the engineering and order entry process. Using customer input, NT-ACCESS generates a provisioned equipment list that is electronically transferred to Nortel Networks to place an order.

After the equipment list is reviewed and the parameters are satisfactory, a planning price is generated through NT-ACCESS. This equipment list and planning price are used for budgetary approvals. When the order is ready, the information is electronically transferred to Nortel Networks for confirmation and a firm-price quotation.

In addition to engineering initial office installations, NT-ACCESS captures, provisions, and prices subsequent changes to original parameters. NT-ACCESS also retrieves job information at any time for engineering extensions to an office.

NT-ACCESS includes an enhanced, rewritten version of the PAQS100 System as the provisioning sub module. Accurate, contract-specific pricing is determined with the Nortel Networks pricing module. Overviews of each subsystem are included in this section.

Future NT-ACCESS development will be based on information from operating companies to ensure that NT-ACCESS continues to meet the needs of Nortel Networks customers.

NT-ACCESS offers the following features:

- electronic ordering capability
- accurate provisioning for initials and extensions
- forward product views for planning
- accurate pricing, based on holding company contracts

- easy manipulation of office parameters for optional configurations and growth planning
- ability to change order requirements, determine office impact, and electronically transfer change requests to Nortel Networks
- retrieval of existing office data for extension provisioning
- office analysis and capacity reports used by operating company traffic and network design engineering groups
- questionnaire input reduction through standard and custom masking
- calculation and electronic submission of the office parameter questionnaire
- printing, downloading and emailing reports
- ability to execute multiple tasks without intervention through Batch Processing
- product and system information through news bulletins
- Technical Information Library (TIL) containing summary information on commonly asked technical questions
- ability to change logon passwords
- NT-ACCESS versions 408 and higher are millennium compliant

Components and subsystems

NT-ACCESS comprises several components and several independent subsystems that are accessed through NT-ACCESS. The primary components of NT-ACCESS are as follows:

NT-ACCESS menu item	Subsystem or part
DMS-100F Provisioning	PAQS100
DMS-100F Pricing	PRISM
Create A Custom Mask	Part of NT-ACCESS
Job Maintenance	ARCHIVE and Current Jobs
Technical Information Library	Part of NT-ACCESS
Batch Processing	PAQS100 & NT-PRISM
News Bulletins	Part of NT-ACCESS
Billing/Account Maintenance	Part of NT-ACCESS
Drawing/Spec Retrieval	Part of NT-ACCESS
Schedule Query	Part of NT-ACCESS
Telco Change Order request	Part of NT-ACCESS

Each sub module or integrated piece of NT-ACCESS is an item on the main menu. Each item from the main menu leads to secondary menus that function as guides through required tasks.

Menus are dynamic and change in future releases due to additional feature enhancements. With each new release of the NT-ACCESS software, updated documentation is distributed.

Primary components of NT-ACCESS

PAQS100 (DMS-100F Provisioning and Quotation)

The Nortel Networks Provisioning and Quotation System for the DMS-100 Family of products is PAQS100 or PAQS. This sub module of NT-ACCESS is a software system that captures central office traffic and feature data and provisions the office to generate an equipment list. Pricing is affixed to this equipment list by using the pricing sub module of NT-ACCESS. Feature and traffic information is captured through one of four online questionnaires:

- *NT8630 DMS-100 Family Order Capture Document* (replaces the NT8620 manual document for host offices)
- *NT8603 DMS-100 Family Remote Order Capture Document* (replaces the NT8602 manual document for remote offices)
- *NT9630 Dynamic Network Controller Order Capture Document*
- *NT9640 Network Application Vehicle Order Capture Document*

Provisioning is the process that looks at the PAQS questionnaire, as well as the existing office configuration, and calculates required equipment quantities based on this information as compared to published product provisioning rules. The questionnaire is presented in general telephony terms and requires no prior knowledge of DMS terminology.

Those sections of the questionnaire that do not apply to a specific switch configuration can be flagged as non-viewable questions through a process called masking. Questions that are common to all the offices can be answered at once, permitting standard provisioning to be set by default and ensuring consistent provisioning. The questionnaire level of the system is often referred to as level A, the first of three main levels.

Responses to the questionnaire provide information to the system engineering algorithms, the second questionnaire level or level B. Level B algorithms are in the form of input to the formula and output that drives equipment provisioning.

The primary output of PAQS is a comprehensive list of product equipment codes (PEC) and their respective quantities. This third level, level C, permits accessing and modifying of equipment values. In addition to the three main levels of information provided by PAQS, a price summary is available for the provisioned office through PRISM.

PAQS is a job-oriented system in which job represents a specific office supplied with equipment. The job consists of a series of files created by PAQS on a userID. The files are initially empty but are gradually filled with the office data as office configuration requirement questions are answered.

PAQS has nine major functions:

- Questionnaire Capture (EDITQS)
  - allows specification of the office data using the PAQS100 questionnaire
- Masking (MASK)
  - reduces the number of questions that must be answered during a session
- Equipment Calculation (PROVISION)
  - implements a series of files containing rules to translate answers from the questionnaire to an equipment list
- Job Database Editor (EDITEQ)
  - provides a means of manually overriding equipment calculations by modifying equipment quantities and provisioning results
- Interactive Provisioning (INT. PROV)
  - provides the ability to perform modular provisioning and explodes provisioning rules in logical groupings
- Report Generator (REPORT)
  - allows access to a series of available reports and selection of report destinations and parameters (for example, page size)
- Job Administration (ADMIN)
  - allows customization of the work environment and manipulation of options
- Interface to SOLID (SOLID)
  - allows for software ordering, provisioning, and quotation.

PAQS processes the following DMS-100 Family office configurations:

- DMS-100 Local
- DMS-200 Toll
- DMS-100/200 Local/Toll
- DMS-500 Local/Toll/Interchange
- DNC – Dynamic Network Controller (Extensions only)
- NAV – Network Application Vehicle (Extensions only)

- TOPS with/without host equipment
- STP – Signal Transfer Point
- Integrated Node offices
- DMS-100 Wireless
- Succession Network offices (All solutions and conversions)

PRISM (DMS-100F pricing system)

The pricing sub module of NT-ACCESS is called PRISM, an acronym for Pricing Requirements Integrated System for Marketing (DMS-100F Quotations). PRISM replaces Q100 and is designed to provide more pricing flexibility. The PRISM sub module resides in the UNIX environment and is the first step in establishing the new distributed processing workstation platform for NT-ACCESS. PRISM extracts equipment and office-related parameters from PAQS100 and batches the information to the UNIX environment (PRISM) where it calculates prices based on contractual agreements and special incentive pricing with Nortel Networks. When the calculations are complete, PRISM generates pricing reports that are sent back to the mainframe environment. These reports are then viewed, printed, or downloaded.

The pricing reports generated from PRISM are considered to be planning prices and are verified and confirmed when sent to Nortel Networks through the electronic storage and transfer facility (Job Maintenance System) in NT-ACCESS.

Job Masking System

The Job Masking System is a facility that provides the capability to create custom-designed, job-specific masks (for example, custom masks). Custom masks use customer-specific master control files that are jointly created by the operating company and Nortel Networks coordinators. The master control file defines default answers to questions, determines whether or not questions are displayed, and divides the questionnaire into functional groups (for example, planning, traffic, equipment). Custom masking uses a master control file to create a mask that is applied to a job to reduce the number of questions that must be answered during a session.

Job Maintenance System

The Job Maintenance System provides storage for both current jobs and stored jobs. An inbox environment (Inbox) is also built in this system to allow job files and reports to be transferred and received between userIDs and from long-term storage. These three environments allow optimal use of disk storage space on NT-ACCESS userIDs and accounts (also referred to as the A-disk).

Job files that are not actively being used but need to be saved can be stored in the stored job environment of the Job Maintenance System.

These job files can be retrieved when required and purged when no longer needed.

The Job Maintenance system is also used to transfer provisioned office parameters from an operating company location to Nortel Networks or to other departments in the operating company organization.

Each job maintenance userID must be registered and assigned to a job maintenance group. For example, when a job function falls in the planning phase of business activity, then the userID is assigned to a job maintenance group with other planners. The operating company NT-ACCESS coordinator provides information to Nortel Networks to specify the appropriate job maintenance groups.

Technical Information Library

The TIL contains current information about the Nortel Networks Public Carrier Networks (PCN) products, including DMS-100 Family and network products. The information used to create the library comes from frequently asked questions, marketing literature, Nortel Networks Publications (NTP), and feature specific descriptions. Indexing and keyword searching are used to call up a specific technical summary or a group of summaries that can then be dumped to a printer or downloaded to disk storage.

The Nortel Networks Engineering Manual is available in TIL and the FSEQ environment of PAQS100. The Engineering Manual documents provide Nortel Networks standard engineering rules on a per PEC basis including equipment that is always provided. With the introduction of Simplified Order Provisioning, access to the Engineering Manual will provide a cross reference between the detailed PEC, the associated functional module, and an explosion of the functional module displaying always provided equipment.

Batch Processing

Batch Processing executes one or many job functions without user intervention. A job is submitted for Batch Processing and the system executes the provisioning, pricing, and generating of reports at one time while other tasks are performed online or offline.

Batch Processing uses either PAQS100 or PRISM, depending on the job requests being processed.

Batch Processing includes an option to delay the job processing to off-peak hours. This option saves in charges associated with central processor unit (CPU) seconds and connect time.

News Bulletins

The News Bulletins sub module of NT-ACCESS is divided in two categories: system bulletins and product bulletins. System bulletins contain a list of the regional coordinators. Product bulletins contain advanced information regarding engineering rules that have been coded in the provisioning algorithms of PAQS100 and that may impact equipment quantities and vintages.

Billing/Account Maintenance

The Billing/Account Maintenance sub module is divided in four categories: Change Job Billing, View Session Charge Information, Change Logon Password, and Change Report Configuration. The Change Job Billing feature allows the flexibility of directly billing different jobs while logged on to a single account. Multiple logons are not required. The View Session Charge Information feature allows viewing of all session charges for a userID that occurred during the previous four months. The View Session Charge Information feature also allows printing and downloading to a personal computer. Change Logon Password is a new feature that allows operating company users to change userID passwords without Nortel Networks intervention and at operating company determined time intervals. Passwords not changed in over 45 days still prompt the user at logon time to enter a new password. The Change Report Configuration feature allows users to set printing and downloading configurations.

Drawing/Spec Retrieval

The Drawing/Spec Retrieval sub module allows the user to retrieve drawings and job specifications from the CADES database for a specific job. The function works with the job COEO number or base number and allows the user to request drawings or job specifications from the database and then retrieve the drawings or specifications. (Report Manager is used to print and download the drawings and job specifications.)

Schedule Query

The Schedule Query sub module allows the user to query an extract from the scheduling database about a specific job. The query is performed for a specific COEO number. The query displays the COEO number, CLLI code, location, order status, CI-date, D-date, H-date, K-date, BCS date, and BCS level. The query is displayed, printed, and downloaded in Report Manager.

NT-ACCESS players and relationships

Operating company planners

Operating company planners use NT-ACCESS for planning central office equipment for an operating company. Standard or custom masks are developed and used to reduce manual entries required for accurate planning models. In addition to the basic planning models, NT-ACCESS allows planners to perform what-if scenarios. The system includes future features and planning prices to help satisfy specific requirements. Reports are generated to obtain upper management approval for new office equipment and new office locations. Planning models are stored in NT-ACCESS for later use or are transferred to downstream departments for further engineering specifications.

Operating company network design and traffic engineers

Network design and traffic engineers use NT-ACCESS to provision a switching system that is the most cost-effective. To accomplish this task, the operating company engineer analyzes equipment requirements for cost and use. If equipment is underused, the engineer may decide to provide a lesser grade of service than originally planned. NT-ACCESS offers the accuracy and flexibility to provide this type of information to the engineer. Once traffic-sensitive components are provisioned and approved, the engineer stores the captured office parameters in NT-ACCESS for later use. The information is also transferred to equipment engineering to add further specifications and to place the order.

Operating company equipment engineers

NT-ACCESS is used by the equipment engineer to finalize and detail additional switch requirements (for example, maintenance or other features) for a specific location. The equipment engineer accepts the transferred office parameters from the network and traffic engineering departments and ensures that the necessary equipment is provisioned to make the switch operate properly. The equipment engineer works with Nortel Networks systems application engineers (SAE) to cover all required parameters.

When all communication and engineering is completed, the equipment engineer locks the switch specifications and transfers the job information to Nortel Networks, thus placing an electronic order.

NT-ACCESS customer coordinators

Each operating company should designate an NT-ACCESS coordinator to support the NT-ACCESS application. The coordinator is responsible for the following activities:

- submitting requests to Nortel Networks for NT-ACCESS accounts
- receiving, copying, and distributing NT-ACCESS documentation in the operating company environment

- acting as the point of contact for questions, issues, and system development requests regarding NT-ACCESS
- coordinating NT-ACCESS training requests
- representing the operating company at the Nortel Networks NT-ACCESS user conferences
- obtaining information regarding computer equipment and software packages in the operating company environment
- supporting development of master control files for mask building for specific operating companies
- incorporating the NT-ACCESS process in established operating company procedures
- reviewing and specifying new features for development in NT-ACCESS

NT-ACCESS regional coordinators

Nortel Networks has designated NT-ACCESS coordinators for each regional office. Each of the NT-ACCESS coordinators is trained to assist the operating companies. The primary responsibilities for NT-ACCESS regional coordinators are as follows:

- representing Nortel Networks as the primary point of contact for customer input, questions, and issues
- providing ongoing, individualized system support
- developing and maintaining standardized masks and master control files for customers
- processing and securing new NT-ACCESS accounts for customers
- providing account maintenance support activities for questions involving userIDs and passwords
- supporting the loading of in-service office information in NT-ACCESS
- communicating system development requests
- determining the package and transmit destination address and targets for the operating company
- implementing the change request process
- representing the Nortel Networks region at the NT-ACCESS user conferences

NT-ACCESS regional coordinators listing

The NT-ACCESS Regional Coordinators are as follows:

Coordinator	Account	Phone Number
Kent Culver	BellSouth	(502) 933–9434
Walter Kuehn	RFQ	(919) 309–9833
Richard Mihm	QWEST	(303) 713–3543
Mike Danilowicz	Sprint	(919) 992–4654
Jean Brick	Verizon East	(703) 600–5707
Kevin Ward	Verizon	(914) 773–2506
Teri Bowbeer	SBC	(925) 867–2031
David Oldfather	IOC	(972) 685–0352

After hours support

Nortel Networks no longer provides after hours support. Please contact your NT-ACCESS regional coordinator as indicated above and describe your issue. The coordinator will then assist you with resolving your issue and/or submit a request for assistance with the appropriate support team.

NT-ACCESS core support teams

In addition to NT-ACCESS regional coordinators, Nortel Networks has established core support teams. The core support teams are divided in several departments and encompass a wide range of activities. Some of the NT-ACCESS core support team responsibilities are as follows:

- maintaining on-call support for customer problems, issues, and requests including both customer and regional issues
- developing and maintaining system operation
- receiving and prioritizing feature development
- coordinating new system releases
- developing and introducing new NT-ACCESS sub modules
- coordinating Nortel Networks training center course development
- developing and maintaining documentation for customers and NT
- creating and maintaining standard masks
- creating and updating master control files for custom masking

Nortel Networks engineering and marketing

Nortel Networks engineering and marketing departments also use NT-ACCESS to engineer and price switching orders. When an operating company engineer electronically transfers a job to Nortel Networks, an SAE receives the job and communicates with the operating company engineer. The SAE is the primary operating company contact for customer information (CI) orders that are electronically placed with Nortel Networks. Office parameters are reviewed and any changes to an NT-ACCESS job must be approved by the operating company.

When final engineering approval is complete, the job file ownership is changed (permitted) to allow Nortel Networks marketing access to the files and a firm price quote is generated for the operating company. The firm price quote is sent to the operating company through the normal distribution process according to contractual agreements.

How to obtain an NT-ACCESS account

NT-ACCESS requires an authorized NT-ACCESS account and a dial-up connection to the Nortel Networks mainframe computer through a modem or a datapath data unit. NT-ACCESS is available in both the full screen environment and the line-by-line mode, although full screen is the recommended environment. To use the full screen mode, full screen emulation software must be loaded either onto a personal computer hard drive or operating company mainframe computer. Some of the most common software packages for personal computers are SIMPC, PROCOMM PLUS, SMARTCOM II, and CROSSTALK. PROCOMM PLUS is recommended for ease of use, however, if downloading files is anticipated, then SIMPC is recommended.

To obtain an NT-ACCESS customer account, perform the following steps:

- Contact the operating company NT-ACCESS coordinator.
- Specify the number of accounts desired.
- Determine the following information:
  - prime contact, phone number, address, and department number
  - billing address
  - purchase order number
- Contact the Nortel Networks regional NT-ACCESS coordinator to submit the request.

Nortel Networks provides an authorized userID, password, and ARCHIVE (Job Maintenance) group identification. These items of identification allow entrance to the Nortel Networks mainframe environment for the NT-ACCESS application. Please allow two weeks for Nortel Networks to process new accounts.

Account problems and questions

Once an NT-ACCESS account is obtained and the system is accessed, questions and problems may arise. The most common NT-ACCESS account problems that occur are forgotten passwords, locked NT-ACCESS accounts, difficulties dialing into the Nortel Networks mainframe, and difficulties changing passwords.

Note: Accounts may be shared; however, the use and activity on the same account cannot be simultaneous.

Forgotten passwords

If a password for an NT-ACCESS account is forgotten, contact the regional NT-ACCESS coordinator. The coordinator submits a request to review the password. After the password is determined, the coordinator contacts the operating company employee with the information.

Locked NT-ACCESS accounts

After six unsuccessful logon attempts to an NT-ACCESS account, the account locks and does not allow entry to the NT-ACCESS environment. This security is in place to ensure that unauthorized personnel cannot access accounts without permission. If an NT-ACCESS account becomes locked, contact the regional NT-ACCESS coordinator. The coordinator submits a request to unlock the account. After the account is unlocked, the coordinator contacts the operating company employee.

Difficulties dialing in

If problems occur when trying to dial into the Nortel Networks mainframe, contact the Regional Coordinators. Chapter 14, “Customer Access Guide,” of this document provides information on dialing in the Nortel Networks mainframe, mapping function keys, and using full screen software packages such as SIMPC, PROCOMM PLUS, SMARTCOM II, and CROSSTALK.

Difficulties changing passwords

Every 45 days, NT-ACCESS prompts for a new password. When prompted for the password change, enter a new password. Previous passwords are not accepted. The Nortel Networks mainframe stores information regarding previous passwords and does not allow password repetition. Passwords may be changed as often as once a day by accessing the Billing/Account Maintenance menu item. It is recommended that account passwords be tracked in a consistent, secure location if multiple employees access the same userID or if accounts are used infrequently.

Training courses

NT-ACCESS training courses 0402 and 0310 have been archived by the Nortel Networks training centers. For NT-ACCESS training, please contact your regional coordinator.

Additional documentation

NT-ACCESS documentation is now a single volume. Volume 2, which used to contain the four questionnaire documents, has been removed since these can be generated as reports from within NT-Access and change often. The document can be viewed and downloaded on a PC by accessing the Helmsman Express website on the Nortel Networks network. It will continue to be part of the customer documentation delivered on compact disk.

Trouble reporting

If system problems with NT-ACCESS are detected, contact the Nortel Networks NT-ACCESS coordinator to report the problems. The coordinator fills out a trouble ticket and submits it to the proper department for corrections. The NT-ACCESS coordinators will request that a copy of the job be sent to them for further investigation. Priorities are placed on trouble tickets depending on the severity of the problem. Problems that completely stop work are addressed immediately and fixed in 24 hours.

How to log on and enter the NT-ACCESS environment

The Nortel Networks mainframe computer must be accessed to run NT-ACCESS. Since several communication packages are used to do this, the customer is responsible for learning the logon procedure for customer-owned terminals. Chapter 14 “Customer Access Guide” shows logon procedures for the more common communication packages.

NT is dedicated to providing excellent computer service to our customers. To meet this objective, it is necessary to maintain both hardware and software at the most efficient standard. Mainframe maintenance is scheduled on Sunday between 6:00 A.M. and 12:00 P.M. eastern time. NT-ACCESS is available 24 hours a day, except during scheduled system maintenance.

To enter the NT-ACCESS environment, log on and access the Nortel Networks mainframe using the appropriate communication package (see Chapter 14 “Customer Access Guide”) and perform the following steps:

1 Type **<ZZC account>** (userID account number).

2 Press the <ENTER> key.

3 Read the system response.

4 Type the correct password.

5 Press the <ENTER> key.

The NT-ACCESS welcome screen appears briefly. After the welcome screen is presented, the system displays important messages that detail information not contained in the documentation.

NT-ACCESS billing menu

After logging on to NT-ACCESS, the NT-ACCESS billing menu illustrated in Figure 1-1 is presented.

Figure 1-1
NT-ACCESS billing menu

```
=====================================================

              Billing/Account Maintenance

              Please Select From the Menu:

                  Billing Maintenance

          1 - Change Job Billing
          2 - View Session Charge Information

                  Account Maintenance

          3 - Change Logon Password
          4 - Change Report Manager Configuration

                       <PF3> Quit

=====================================================
```

NT-ACCESS billing menu items

The menu items are defined as follows:

- Accumulate Charges Under One Account
  - — Associates billing charges with a userID without specifically identifying a job. Charges are associated with a default job name consisting of 2 alpha characters and 4 numeric characters, for example, AA3227.
- Change Job Billing

— Identifies the job name to which the NT-ACCESS session should be billed. The logon password is required to ensure that billing is assigned to the job. An incorrect password defaults billing to a default job name consisting of 2 alpha characters and 4 numeric characters.

- <PF3> Logoff

  — Exits NT-ACCESS.

To change the job billing criteria, refer to Chapter 9 of this document.

NT-ACCESS main menu

The NT-ACCESS main menu is the window to all the options in NT-ACCESS. Each option is accessed by entering the number of the option and pressing <ENTER>. After the billing information is entered, the NT-ACCESS main menu is presented. Each item on this menu is described fully in this document. The NT-ACCESS main menu is illustrated in the following figure.

Figure 1-2
NT-ACCESS main menu

```
=====================================================
                    NORTEL NETWORKS

                  N T - A C C E S S
      AUTOMATED PLANNING AND ORDER CAPTURE SYSTEM
                    Release 414

              Please Select From the Menu:

 1 DMS-100F Provisioning      7 News Bulletins
 2 DMS-100F Pricing           8 Billing/Account Maint.
 3 Create a Custom Mask       9 Drawing/Spec Retrieval
 4 Job Maintenance            10 Schedule Query
 5 Technical Info Library     11 Telco Change Order Request
 6 Batch Processing

                       <PF3> Quit
=====================================================
```

NT-ACCESS main menu PF keys

Program function (PF) keys, are set to frequently used commands. Instead of typing a command, press a PF key to perform the required action.

In PAQS, the PF key functions are usually listed at the bottom of the screen. As each screen is discussed, the associated PF keys for that screen are defined.

How to interpret status notices

When working in the full screen mode, various status notices are displayed in the lower right corner of the screen. These notices explain what the system is doing or define information that is required. These status notices are defined as follows:

- CP READ
  - — indicates part of the system called the control program (CP) is waiting for a command, such as > **B**, short for begin or > **LOGOFF**
- VM READ
  - — indicates that the system is waiting for a command
- RUNNING
  - — indicates that the computer is processing something or that the system is waiting for a command
- MORE
  - — indicates that there is more information than can fit on the screen
  - — displays the next screen of information after one minute
  - — <CLEAR> pressed to see the next screen immediately
  - — <ENTER> pressed to hold this information on the screen; the MORE... notice changes to HOLDING
- HOLDING
  - — indicates the system is waiting for the screen to be cleared before displaying more information
  - — <CLEAR> pressed to go to the next screen
- NOT ACCEPTED
  - — indicates the system is processing something and is too busy to accept another command
  - — <CLEAR> pressed to go to the next screen

How to interpret error messages

If the system detects an error or condition that might lead to an error, an error message is displayed:

```
"0554S GETPREC cannot read from terminal ... aborting"
```

In the example, the first four digits (0554) are a message identifier. The fifth character (S) indicates the severity of the message (for example, catastrophic, severe, error, warning, informative). The second identifier (GETPREC) is the name of the PAQS routine to which the error message belongs.

To correct error messages displayed while running NT-ACCESS, contact the Nortel Networks regional NT-ACCESS coordinator.

Troubleshooting

If the connection is lost while in NT-ACCESS, log on again within 30 minutes and the system displays the following message:

```
Reconnected
```

When that message is displayed, type > **B** immediately and then press <RETURN>. The system returns to the point that the connection was lost.

If a loop occurs where the system seems to be dwelling on a function or activity for a long period of time, press <PA1> on the number pad. <PA1> may not be applicable for all computers. The system returns to the CP READ mode. Type > **LOGOFF**. Any data that was not saved is lost, but the session can now continue and further work can be accomplished at the terminal. If <PA1> does not break the loop, type > **HX** or > **HM**. The system should return to CP Read status. Type > **LOGOFF** on the command line. If all commands fail, contact your NT-ACCESS coordinator. The coordinator will logoff your account.

How to access the help facility

A menu of items supported by the help facility is presented when > **HELP** is typed on the command line in the full screen environment.

- To invoke the help facility for a particular item, position the cursor over the desired item and press <ENTER>. Continue to press <ENTER> until the help text for the specified item is presented.
- To exit the help facility, press <PF3> or enter > **QUIT** on the command line.

Quick reference guides for a new central office switch

Two methods are used for creating new jobs: online processing and batch processing in NT-ACCESS. The guidelines presented on the following pages can be used as an aid in creating new jobs in NT-ACCESS.

How to engineer a new central office switch using online processing

To create a new central office switch using online processing, use the following guideline. If more detailed information is required, refer to the chapter in this document listed under the chapter reference column.

Table 1-1
Engineer a new central office switch using online processing

Step	Action	Chapter
1	Dial into the Nortel Networks mainframe	N/A
2	Access full screen software when possible (for example, SIMPC).	N/A
3	Enter NT-ACCESS with an authorized userID and password.	N/A
4	Create a custom mask using the master control files developed by the operating company NT-ACCESS coordinator. The coordinator works with Nortel Networks to develop the standard answers.	Job Masking page 4-5
5	Select DMS-100F Provisioning on the NT-ACCESS main menu. The PAQS 100 main menu is presented.	Provisioning page 2-5
6	Create a new job. Select an abbreviated site name and sequence number (for example, 1DNVRCO1) for the job name. The system prompts for job tracking information.	Provisioning PAQS page 2-4
7	Enter the project code, common language location identifier (CLLI), and remarks.	N/A
8	Select ADMIN from the PAQS100 main menu and describe the office parameters.	Provisioning PAQS page 2-5
9	Apply a custom mask to the newly created job.	Provisioning PAQS page 2-24

—continued—

Table 1-1
Engineer a new central office switch using online processing (continued)

Step	Action	Chapter
10	Select REPORT from the PAQS100 main menu and print the Masked Answered Questionnaire (ANSQUEST) or the Questionnaire Worksheet (CWORKSHT) to use during information gathering. This procedure saves time because the information is researched outside of the NT-ACCESS environment.	Provisioning PAQS page - 78
11	Exit NT-ACCESS and research outstanding answers to questions in the NT8630/03 questionnaire to reduce online access time.	N/A
12	Follow Steps 1 through 3 to enter NT-ACCESS.	N/A
13	Select DMS-100F PROVISIONING from the NT-ACCESS main menu, enter the switch job name, and select EDITQS to edit the questionnaire.	Provisioning PAQS page 2-31
14	Type the answers from the worksheet in the answer column of the online questionnaire. The mask is set to on at this point and only those questions defined as viewable in the mask are visible.	Provisioning PAQS page 2-31
15	Exit the questionnaire input mode after all questions are answered and select PROVISION to apply the provisioning rules to the office parameters. The office is provisioned through standard provisioning, interactive provisioning (IMPROV), or Batch Processing.	Provisioning PAQS page 2-47

—continued—

Table 1-1
Engineer a new central office switch using online processing (continued)

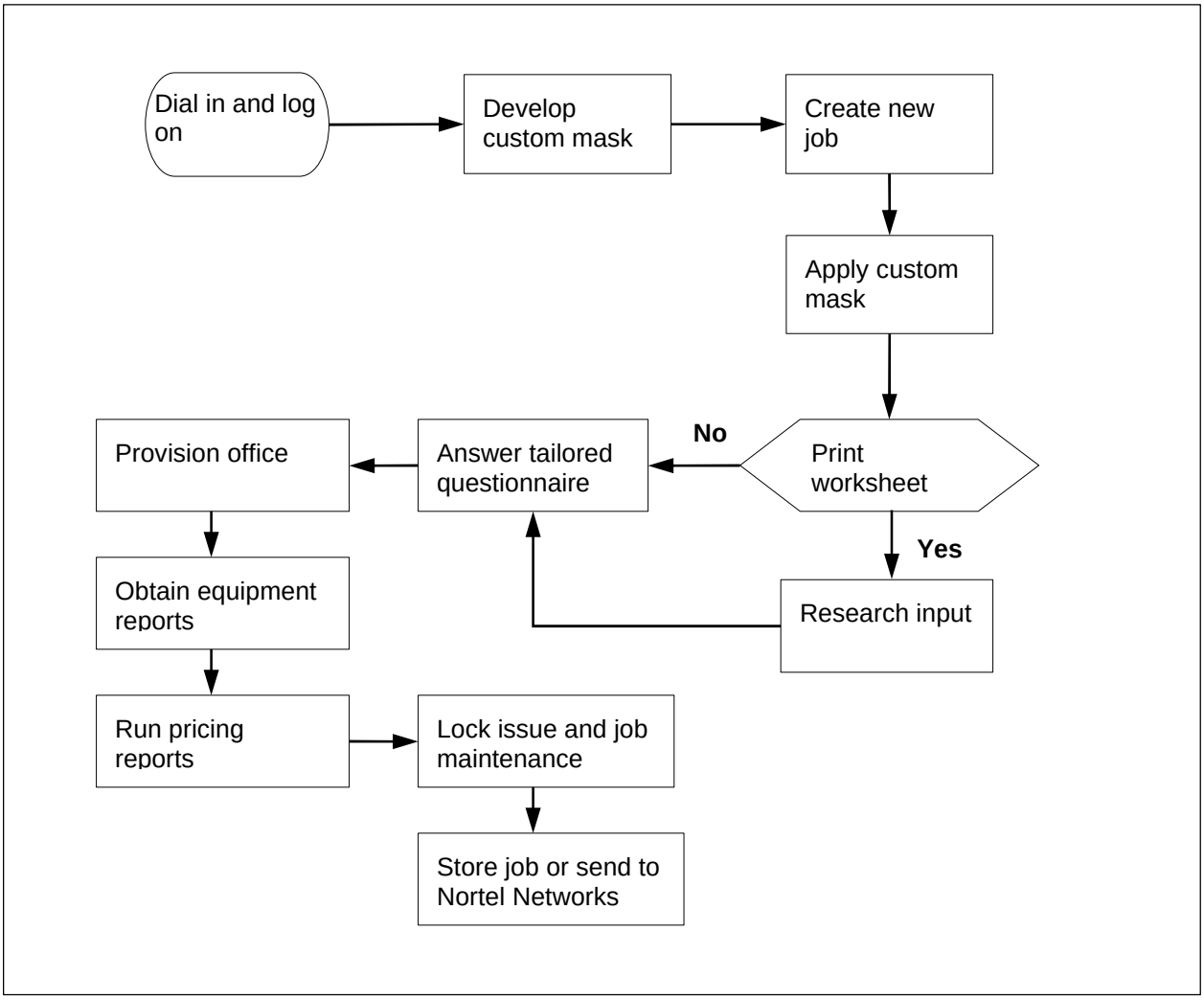
Step	Action	Chapter
16	Generate the engineering reports. Several reports are available. Depending on the function, choose the appropriate reports. The standard reports most often used are as follows: MEREP or MESUM Equipment Summary ANSQUEST Masked Answered Questionnaire (Use Y and C in parameter field.) PRNOTES Provisioning Notes CWORKSHT Questionnaire Worksheet VALMEL MEL Validation Report This report lists PECs being added that are either invalid or cannot be delivered by th D-date. Any issues should be resolved in steps 17 and 18. MSGSRPT Messages that occurred during provisioning ANALYSIS Analysis report providing traffic sensitive components	Provisioning PAQS page 2-78
17	Use IMPROV to manually override provisioning results. Press <PF6> in Interactive Provisioning to access IMPROV. (Only experienced NT-ACCESS users should use this capability.)	Provisioning PAQS page 2-60
18	Use questionnaire change (EDITQS) or equipment change (EDITEQ) if equipment quantities require changes. If no changes are required, go to Step 19.	Provisioning PAQS page 2-31,2-71
19	Press <PF5> from the PAQS100 main menu to save the office information and exit the provisioning sub module.	Provisioning PAQS page 2-9
20	Price the office configuration by selecting DMS-100F PRICING at the NT-ACCESS main menu. Type in the name of the office.	Pricing page 3-1
—continued—		

Table 1-1
Engineer a new central office switch using online processing (continued)

Step	Action	Chapter
21	Print the pricing reports. Pricing levels are preset by contractual terms and conditions.	Pricing page 3-10
22	If all reports satisfy the requirements and the work on the office is complete, enter the item number for DMS-100F provisioning, and type >**LOCK** on the command line. This time stamps the material equipment list (MEL) so that any changes after the lock are shown as a delta. Nortel engineering MUST type > **LOCK FINAL** on the command line to provide the necessary downstream feeds. ***Note:*** Any items identified in the VALMEL Report from step 16 that still remain in the MEL will prevent the job from being “locked”.	Advance Commands page 15-10
23	Store the office configuration in the long-term storage facility, Job Maintenance, for future use or to transfer the job to a downstream department for further definition.	Job Maintenance page 5-11
24	Notify the NT-ACCESS regional coordinator of the order by telephone if the job is transferred to Nortel Networks.	N/A
25	Exit NT-ACCESS and disconnect the modem.	N/A
—end—		

Figure 1-3 illustrates the process of how to engineer a new central office switch using online processing.

Figure 1-3
Engineer a new central office switch using online processing



How to engineer a new central office switch using Batch Processing

Batch Processing allows multiple activities to be executed outside the NT-ACCESS interactive environment. This ability saves both time and money. To use Batch Processing to create a new job, use the following guideline. If more detailed information is required, refer to the chapter in this document listed under the chapter reference column.

Table 1-2
Engineer a new central office switch using Batch Processing

Step	Action	Chapter
1	Dial into the Nortel Networks mainframe.	N/A
2	Access full screen software if possible (for example, SIMPC).	N/A
3	Enter NT-ACCESS with the authorized userID and password.	N/A
4	Create a custom mask using the master control files developed by the operating company NT-ACCESS coordinator. The coordinator works with Nortel Networks to develop the standard answers.	Job Masking page 4-5
5	Select BATCH PROCESSING from the main NT-ACCESS menu.	Batch Processing page 7-1
6	Select SUBMIT JOB TO BATCH. Enter the new job name (for example, 1DNVRCO1), place a > Y next to the field “Create a New Job,” enter the mask name, select host or remote, answer > N to provision and > Y to CWORKSHT under reports. Press <ENTER> and <PF12> to submit. The system prompts to select either prime time or nonprime time processing.	Batch Processing page 7-5
7	Answer the prompt with the appropriate response. The system then prompts for Job Tracking information. Enter project code, common language location identifier (CLLI), and remarks. After completing this information, log off or proceed with other activities. The job is created and masked and a worksheet is generated without any other intervention.	N/A
8	Exit Batch Processing and proceed with another job or exit NT-ACCESS completely. The amount of time spent away from NT-ACCESS depends on the choice made to process the job during prime time or nonprime time. Nonprime time selection processes the job overnight, while prime time processes the job as soon as possible and is only dependent on the number of jobs that Batch Processing is requested to process.	N/A
9	Reenter NT-ACCESS (follow Steps 1 through 3). Select BATCH PROCESSING and select CHECK THE STATUS OF JOB SUBMITTED TO BATCH. The status screen determines whether or not the job was successfully processed.	Batch Processing page 7-8

—continued—

Table 1-2
Engineer a new central office switch using Batch Processing (continued)

Step	Action	Chapter
10	Exit the status screen if the job was successfully processed and select RECEIVE OUTPUT from Jobs on the A-disk. Batch prompts for the job name to be received. Enter the name of the job and then exit Batch Processing. At this point the job is created, the mask is applied, and the report is generated but not printed.	Batch Processing page 7-11
11	To print the generated report, select > **P** to print or > **D** to download.	Report Manager page 13-4
12	Print the work sheet, CWORKSHT. This process is quick because the system does not regenerate the report file.	N/A
13	Exit the receive output facility. Research outstanding answers on the worksheet (8630/03) and reenter the system to answer the questionnaire online.	N/A
14	Enter the provisioning sub module, PAQS100, type in the job name, and select EDITQS to edit the questionnaire.	Provisioning PAQS page 2-31
15	Type the answers from the worksheet into the online questionnaire. The mask is set to on at this point and only those questions defined as viewable in the mask are displayed.	Provisioning PAQS page 2-31
16	Exit the questionnaire input mode, PAQS100, after all questions are answered and enter Batch Processing.	Batch Processing page 7-4

—continued—

Table 1-2
Engineer a new central office switch using Batch Processing (continued)

Step	Action	Chapter
17	Select SUBMIT JOBS TO BATCH. Press <PF4> and then enter the name of the job. Answer > **N** to new job, and leave > **NONE** as the default for mask because the mask is already applied. Select HOST or REMOTE, answer > **Y** for provision, and place a > **Y** in front of the desired reports: MEREP or MESUM Equipment Summary PRNOTES Provisioning Notes MSGSRPT Detailed messages that occurred during provisioning. CWORKSHT Questionnaire Worksheet ANALYSIS Analysis report providing traffic sensitive components PRICING Engineer, furnish, and install (EF&I) Planning Price (may be done after provisioning results are verified) VALMEL MEL Validation Report This report lists PECs being added that are either invalid or cannot be delivered by the D-date. Any issues should be resolved in step 23. Press <ENTER> and <PF12> to submit the request to batch. Choose prime time or nonprime time processing and press <ENTER>. Press <PF3> three times to exit Batch Processing completely.	Batch Processing page 7-5
18	Exit the system completely and proceed with other activities while the job processes provisioning, pricing, and report generation offline.	N/A
19	Reenter NT-ACCESS (follow Steps 1 through 3). Enter Batch Processing and select CHECK STATUS OF JOB. The status screen determines whether or not the job processing is complete.	Batch Processing page 7-8

—continued—

Table 1-2
Engineer a new central office switch using Batch Processing (continued)

Step	Action	Chapter
20	Exit the status screen and select RECEIVE OUTPUT FROM JOBS. Batch Processing prompts for the job name to be received. Enter the name of the job and exit Batch Processing. The job already exists on the A-disk, therefore, the system prompts for consent to replace the job files. Answer > **Y**.	Batch Processing page 7-11
21	Select > **P** to print or > **D** to download the generated reports.	Report Manager page 13-4
22	Print the generated reports. This process is quick because the system does not regenerate the report file.	Report Manager page 13-4
23	Exit NT-ACCESS and review the job results. If corrections are required, reenter NT-ACCESS and PAQS100. Edit the questions by selecting EDITQS or modify equipment by selecting EDITEQ. IMPROV is also used to edit questions by selecting INTERACTIVE PROVISIONING to adjust provisioning results.	Provisioning PAQS pages 2-31, 2-9, and 2-79
24	Check to see if provisioning is pending after adjustments are made. To check, place the cursor on the command line of the PAQS100 main menu and type > **Q OPTSTAT**. The answer to this command determines whether or not office provisioning is necessary. To provision the office again, follow Steps 17 through 21. If provisioning is not required, generate and print new reports by selecting REPORT. Type >**LOCK** on the command line. This time stamps the material equipment list (MEL) so that any changes after the lock are shown as a delta. Nortel engineering MUST type > **LOCK FINAL** on the command line to provide the necessary downstream feeds. ***Note:*** Any items identified in the VALMEL Report from step 17 that still remain in the MEL will prevent the job from being “locked”.	Advanced Commands page 15-14 page 15-10
25	Store the office configuration in the long-term storage facility, Job Maintenance, for future use or to transfer to a downstream department for further definition.	Job Maintenance page 5-11
26	Select the transfer command, > **T**, to transfer the job to another department or to Nortel Networks. Enter the job name, job type, job maintenance user group to which the job is being transferred, and a specific userID, if known.	Job Maintenance page 5-46

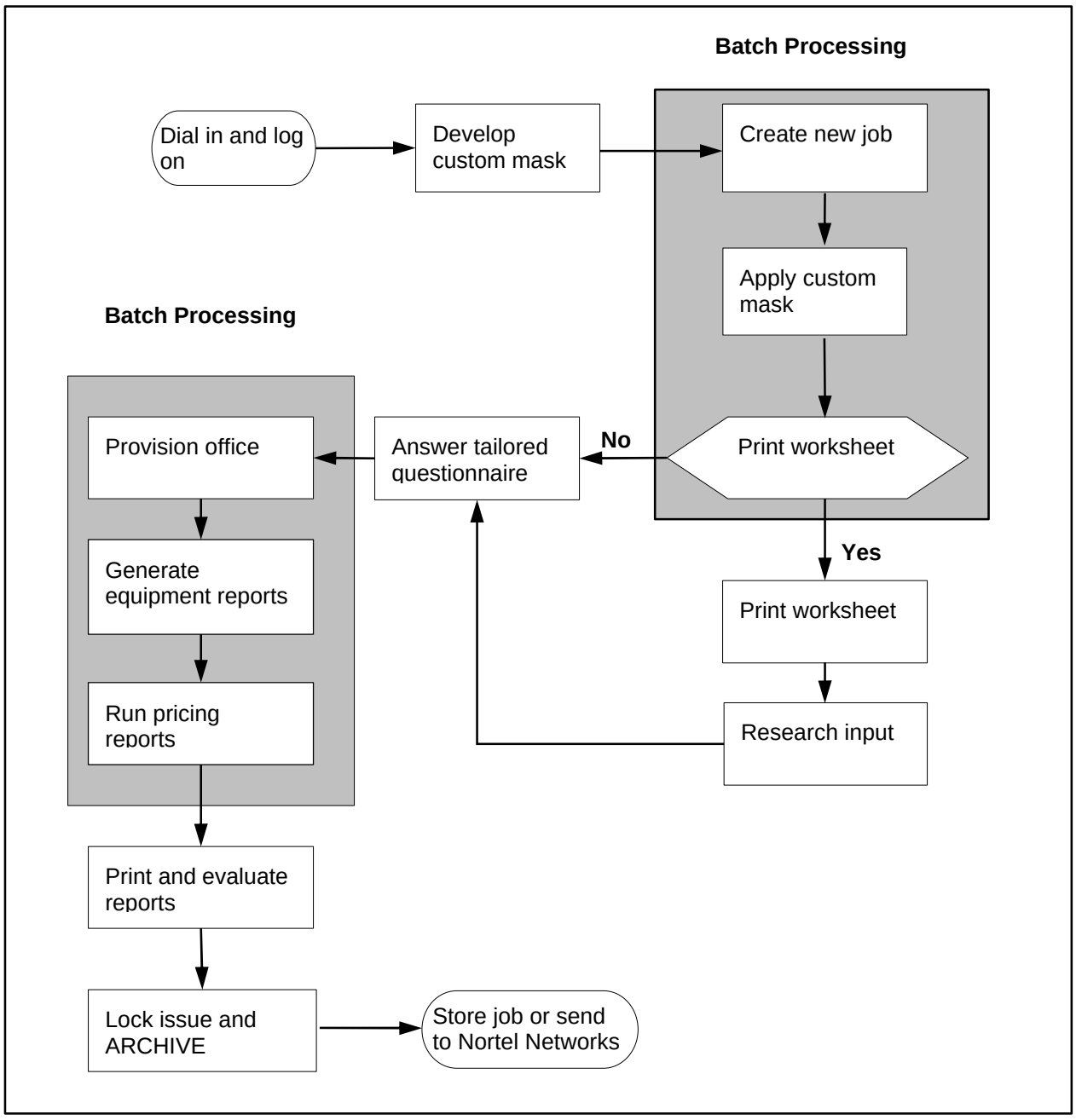
—continued—

Table 1-2
Engineer a new central office switch using Batch Processing (continued)

Step	Action	Chapter
27	Notify the NT-ACCESS regional coordinator of the order by telephone.	N/A
28	Exit NT-ACCESS and disconnect the modem.	N/A
—end—		

Figure 1-4 illustrates how to engineer a new central office switch using Batch Processing.

Figure 1-4
Engineer a new central office switch using Batch Processing



Quick reference guides for extension offices

Two methods are used for creating extensions to existing jobs: online processing and Batch Processing. Both methods require the verification of job files. The guidelines presented on the following pages can be used as an aid for creating extensions.

How to verify a converted job file

When a job is sent to an operating company from Nortel Networks, the job files are already prepared for an extension. The following tables should be reviewed for operating company verification. The tables in this chapter are considered to be the required tables in NT-ACCESS. The office type and configuration dictates which tables are completed and need to be verified.

Table 1-3
Tables requiring operating company verification

Table number	Description
1A17	remote site overview
1A19	remote site DS-1 links
1A21	remote site identification
2A10, 2A15	software selection lists
3A40	TOPS remote site/OSC interface
4A11	mass storage device requirements
4A30	maintenance positions and furniture
4A50	input/output device requirements
4A55	modem requirements
5A10	line requirements
5A20.9	line originating
5A22.2	vertical services feature requirements
5A25	attendant console
5A25.1	attendant console
5A30.42	integrated business network basic line service and features
5A60.2	line controller module assignments and remotes to LGCs
5A65.1	receiver off-hook (ROH) tone traffic

—continued—

Table 1 -3
Tables requiring operating company verification (continued)

Table number	Description
6A1.5	analog trunks and balance networks trunking plan
6A20.10.1	DTC/DTCI assignments
6A25.4.1	line trunk controller assignments
6A30.6	CCS7 and CCIS common channel signaling links
6A60	service circuit overrides
6A75.1	recorded announcement requirements
6A85	maintenance and interface circuits
9A3.1	distributing frame requirements
9A4	terminal block requirements
—end—	

How to adjust converted job files for an extension office

If discrepancies are found between Nortel Networks records and actual equipment in the central office, adjustments should be made to the questionnaire and equipment list to reflect actual data. To initiate changes, use the following guideline. If more detailed information is required, refer to the chapter in this document listed under the chapter reference column.

Table 1-4
Adjust converted job files for an extension office

Step	Action	Chapter
1	Dial into the Nortel Networks mainframe.	N/A
2	Access full screen software if possible (for example, SIMPC).	N/A
3	Enter NT-ACCESS with the authorized userID and password.	N/A
4	Select JOB MAINTENANCE from the NT-ACCESS main menu and retrieve the job from Job Maintenance. Press <PF5>. Receive the job files on the NT-ACCESS account. Return to the main menu <PF3>.	Job Maintenance page 5-7
5	Enter the provisioning sub module DMS-100F PROVISIONING SYSTEM, type in the job name, and select EDITQS.	Provisioning PAQS page 2-31
—continued—		

Table 1-4
Adjust converted job files for an extension office (continued)

Step	Action	Chapter
6	Edit the questions according to actual office information and create a standard provisioning note to be used next to each item that adjusts the records to match actual information. A suggested note is “Existing answer adjusted per customer’s records.” This same note should appear next to each adjustment that is made.	Provisioning PAQS page 2-36
7	Exit the questionnaire input mode after all questions are adjusted and select PROVISION to apply the provisioning rules to actual office parameters. An office is provisioned through standard Provisioning, Interactive Provisioning, IMPROV, or Batch Processing.	Provisioning PAQS page 2-48
8	Use questionnaire change or select EDITEQ if equipment quantities require changes. Once again, if equipment quantities are adjusted, create a note corresponding with the changes stating that “Existing totals were adjusted per customer’s records.” Merchandise ordered equipment is added to the material equipment list (MEL) in the customer add column.	Provisioning PAQS page 2-79
9	Press <PF5> to save the office information and exit the provisioning sub module.	Provisioning PAQS page 2-9
10	Execute and print provisioning, equipment, and pricing reports online or through Batch Processing.	Provisioning PAQS page 2-87 Batch Processing page 7-5
11	If all reports satisfy the requirements and the work on the office is complete, enter the item number for DMS-100F provisioning, and type >**LOCK** on the command line. This time stamps the material equipment list (MEL) so that any changes after the lock are shown as a delta. Nortel engineering MUST type > **LOCK FINAL** on the command line to provide the necessary downstream feeds.	Advance Commands page 15-10
	—end—	

How to create an extension using online processing

To create an extension to an existing office using online processing, use the following guideline. If more detailed information is required, refer to the chapter in this document listed under the chapter reference column.

Note: The following instructions do not involve Nortel Networks intervention (for example, file conversions are not referenced – assumption is that base files exist).

Table 1-5
Create an extension using online processing

Step	Action	Chapter
1	Dial into the Nortel Networks mainframe.	N/A
2	Access full screen software if possible (for example, SIMPC).	N/A
3	Enter NT-ACCESS with the authorized userID and password.	N/A
4	Select JOB MAINTENANCE from the NT-ACCESS main menu and retrieve the base job by pressing <PF5>. Now the job exists among current jobs.	Job Maintenance page 5-8
5	Select > **R** and press <ENTER> to reformat the job to the next release if NT-ACCESS was upgraded to a new release (for example, Release 406 to Release 407.0).	Job Maintenance page 5-13
6	Select > **P** to prepare the existing job for the next extension. The system prompts for the old job name and a new job name. This capability moves all existing question answers and equipment quantities from the base job to the existing field.	Job Maintenance page 5-8
7	Create a custom mask from standard masks that were developed by the operating company NT-ACCESS coordinator. The coordinator works with Nortel Networks to develop the standard generic masks.	Job Masking page 4-5
8	Enter the ADMIN facility and type in a description in the DESC field.	Provisioning PAQS page 2-87
9	Apply the custom mask to the newly created job.	Provisioning PAQS page2-87

—continued—

Table 1-5
Create an extension using online processing (continued)

Step	Action	Chapter
10	Select REPORT and print the Masked Answered Questionnaire (ANSQUEST) or Questionnaire Worksheet (CWORKSHT) for use during information gathering. This process saves time because the information is researched outside of the NT-ACCESS environment.	Provisioning PAQS page 2-87
11	Exit NT-ACCESS and research outstanding answers to questions in the NT8630/03 questionnaires to reduce online access time.	N/A
12	Follow Steps 1 through 3 to enter NT-ACCESS.	N/A
13	Enter the provisioning sub module DMS-100F PROVISIONING, type in the job number and select EDITQS.	Provisioning PAQS page 2-31
14	Transfer the answers from the worksheet to the online questionnaire. The mask is set to on at this point and only those questions defined as viewable in the mask are displayed.	Provisioning PAQS page 2-31
15	Exit the questionnaire input mode after all of the questions are answered and select PROVISION to apply the provisioning rules to the office parameters. The office is provisioned through standard provisioning, interactive provisioning, or IMPROV.	Provisioning PAQS page 2-48

—continued—

Table 1-5
Create an extension using online processing (continued)

Step	Action	Chapter
16	Print the engineering reports. There are several reports available. Depending on the function, choose the appropriate reports. The standard reports most often used are as follows: MEREP or MESUM Equipment Summary ANSQUEST Masked Answered Questionnaire (use Y and C in parameter field) PRNOTES Provisioning Notes VALMEL MEL Validation Report This report lists PECs added that are either invalid or cannot be delivered by the D-date. Any issues should be resolved in step 17. CWORKSHT Questionnaire Worksheet MSGSRPT Messages that occurred during provisioning ANALYSIS Analysis report providing traffic sensitive components	Provisioning PAQS page 2-87
17	If equipment quantities require changes, use questionnaire change or select EDITEQ. If no changes are required, go to Step 19.	Provisioning PAQS page 2-79
18	Press <PF5> to save the office information and exit the provisioning sub module.	Provisioning PAQS page 2-9
19	Price the office configuration by selecting DMS-100F PRICING and entering the name of the office.	Pricing page 3-1
20	Print the pricing reports. Pricing levels are preset by contractual terms and conditions.	Pricing page 3-6

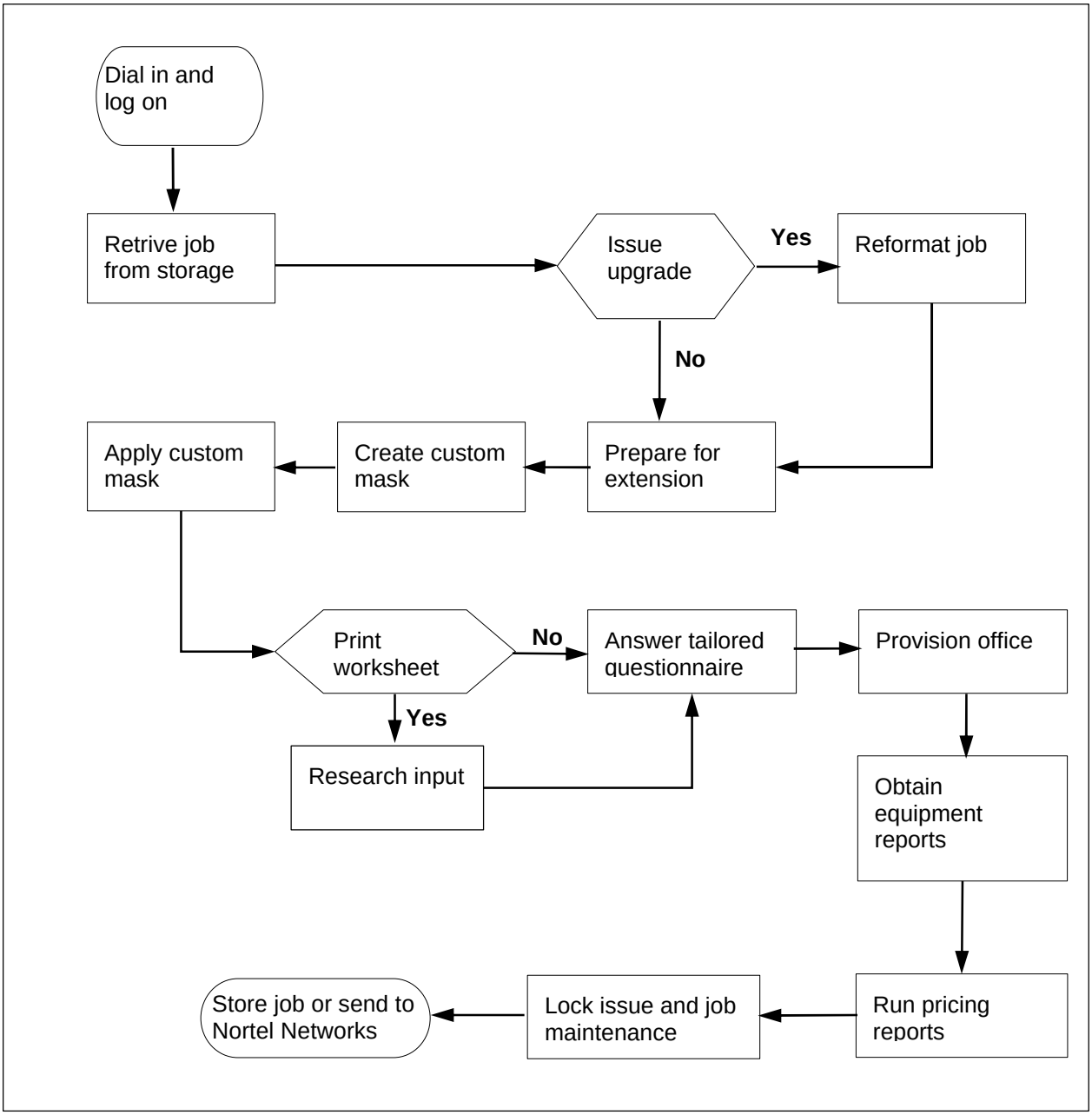
—continued—

Table 1-5
Create an extension using online processing (continued)

Step	Action	Chapter
21	21 If all reports satisfy the requirements and the work on the office is complete, enter the item number for DMS-100F provisioning, and type >LOCK on the command line. This time stamps the material equipment list (MEL) so that any changes after the lock are shown as a delta. Nortel engineering MUST type > LOCK FINAL on the command line to provide the necessary downstream feeds. ***Note:*** Any items identified in the VALMEL Report from step 16 that still remain in the MEL will prevent the job from being “locked”.	Advance Commands page 15-10
22	Store the office configuration in the long-term storage facility, Job Maintenance, for future use or to transfer to a downstream department for further definition.	Job Maintenance page 5-11
23	Notify the NT-ACCESS regional coordinator of the order by telephone if the job is transferred to Nortel Networks.	N/A
24	Exit NT-ACCESS and disconnect the modem.	N/A
—end—		

Figure 1-5 illustrates how to create an extension using online processing.

Figure 1-5
Create an extension using online processing



How to create an extension using Batch Processing

To create an extension to an existing office using Batch Processing, use the following guideline. If more detailed information is required, refer to the chapter in this document listed under the chapter reference column.

Table 1-6
Create an extension using Batch Processing

Step	Action	Chapter
1	Dial into the Nortel Networks mainframe.	N/A
2	Access full screen software if possible (for example, SIMPC)	N/A
3	Enter NT-ACCESS with the authorized userID and password.	N/A
4	Select JOB MAINTENANCE from the main menu and retrieve the base job by pressing <PF5>. Now the job exists among current jobs.	Job Maintenance page 5-7
5	Select > P to prepare the existing job for the next extension. The system prompts for the old job name and a new job name. This capability moves all existing question answers and equipment quantities from the base job to the existing field.	Job Maintenance page 5-16
6	Select > R and press <ENTER> to reformat the job to the next release if NT-ACCESS was upgraded to a new release (for example, Release 406 to Release 407.0).	Job Maintenance page 5-13
7	Create a custom mask from standard masks that were developed by the operating company NT-ACCESS coordinator. The coordinator works with Nortel Networks to develop the standard generic masks.	Job Masking page 4-5
8	Select BATCH PROCESSING from the NT-ACCESS main menu.	Batch Processing page 7-4
9	Select SUBMIT JOB TO BATCH. Press <PF4> to enter the job information. Enter the new job name (for example, 1DNVRCO1), put > N next to the field “Create a New Job,” enter the mask name, select host or remote, answer > N to Provision and > Y next to CWORKSHT under reports. Press <ENTER> and <PF12> to submit. The system prompts for either prime time or nonprime time processing.	Batch Processing page 7-5
10	Answer with the appropriate response. At this point, the mask is applied and a worksheet is generated.	Batch Processing page 7-5
11	Exit Batch Processing and proceed with another job or exit NT-ACCESS completely to do other assigned tasks. The amount of time spent away from NT-ACCESS depends on the choice made to process the job during prime time or nonprime time.	N/A

—continued—

Table 1-6
Create an extension using Batch Processing (continued)

Step	Action	Chapter
12	Reenter NT-ACCESS (follow Steps 1 through 3). Select BATCH PROCESSING and select CHECK STATUS OF JOB. The status screen determines whether or not the job was successfully processed.	Batch Processing page 7-8
13	Exit the status screen and select RECEIVE OUTPUT FROM BATCH to receive the jobs if the job was successfully processed. The system prompts for the job name to be received. Enter the name of the job and then exit Batch Processing. Since the job was actually created during Step 6, the system prompts for consent for file replacement. Answer > **Y**. The mask is applied to the job and the report is generated but not printed.	Batch Processing page 7-11
14	Select > **P** to print or > **D** to download the generated report.	Report Manager page 13-4
15	Print the worksheet (CWORKSHT) that was generated. This process is quick because the system does not regenerate the report file.	Batch Processing page 7-5
16	Research outstanding answers on the worksheet (8630/03) and reenter the system to answer the questionnaire online.	N/A
17	Reenter NT-ACCESS and select DMS-100F PROVISIONING. Type in the job name and select EDITQS.	Provisioning PAQS page 2-31
18	Type the answers from the worksheet into the online questionnaire. The mask is set to on at this point and only those questions defined as viewable in the mask are displayed.	Provisioning PAQS page 2-31
19	Exit the questionnaire input mode, PAQS100, and select BATCH PROCESSING when all questions are answered.	Batch Processing page 7-4

—continued—

Table 1-6
Create an extension using Batch Processing (continued)

Step	Action	Chapter
20	Select SUBMIT JOBS TO BATCH. Press <PF4>, enter the name of the job, answer > **N** to new job, leave > **NONE** as the default for mask (since the mask was already applied), select host or remote, answer > **Y** for provision, and place a > **Y** in front of the following reports: MEREP or MESUM Equipment Summary PRNOTES Provisioning Notes MSGSRPT Messages that occurred during provisioning VALMEL MEL Validation Report This report lists PECs being added that are either invalid or cannot be delivered by the D-date. Any issues should be resolved in step 26. CWORKSHT Questionnaire Worksheet ANALYSIS Analysis report providing traffic sensitive components PRICING EF&I Planning Price (may be done after provisioning results are verified) Press <ENTER> and <PF12> to submit the request to Batch. Choose prime time or nonprime time processing and press <ENTER>. Press <PF3> three times to exit the Batch facility completely.	Batch Processing page 7-5
21	Exit the system completely and proceed with other activities while provisioning, pricing, and report generation are processed offline.	N/A
22	Reenter NT-ACCESS (follow Steps 1 through 3). Select BATCH PROCESSING and select CHECK STATUS OF JOB. The status screen determines whether or not the job is successfully processed.	Batch Processing page 7-8

—continued—

Table 1-6
Create an extension using Batch Processing (continued)

Step	Action	Chapter
23	Exit the status screen and select RECEIVE OUTPUT FROM JOBS if the job is successfully processed. The Batch system prompts for the job name to be received. Enter the name of the job and then exit Batch Processing. Since the job already exists on the A-disk, the system prompts for consent to replace the job files. Answer > **Y**.	Batch Processing page 7-11
24	Select > **P** to print or > **D** to download the generated reports.	Report Manager page 13-4
25	Print the generated reports. This process is quick because the system does not regenerate the report file.	Report Manager page 13-4
26	Exit PAQS100 and NT-ACCESS. Review the job results. If corrections are required, reenter NT-ACCESS and PAQS100. Edit questions by selecting EDITQS or modify equipment by selecting EDITEQ. IMPROV is also used to adjust provisioning results by selecting INTERACTIVE PROVISIONING and pressing <PF6> .	Provisioning PAQS page 2-31, page 2-79, and page 2-9
27	Check to see whether or not provisioning is pending after adjustments are made. To check, place the cursor on the command line of the PAQS100 main menu and type > **Q OPTSTAT**. The answer to this command determines whether or not the office should be provisioned. To provision the office again, follow Steps 17 through 21. If provisioning is not required, generate and print new reports by selecting REPORT and then type > **LOCK** on the command line. This procedure time stamps the material equipment list (MEL) so that any changes made after the lock are shown as a delta. Nortel engineering MUST type > **LOCK FINAL** on the command line to provide the necessary downstream feeds. ***Note:*** Any items identified in the VALMEL Report from step 20 that still remain in the MEL will prevent the job from being “locked”.	Advance Commands page 15-14 page 15-10
28	Store the office configuration in the long-term storage facility, Job Maintenance, for future use or to transfer to a downstream department for further definition.	Job Maintenance page 5-11

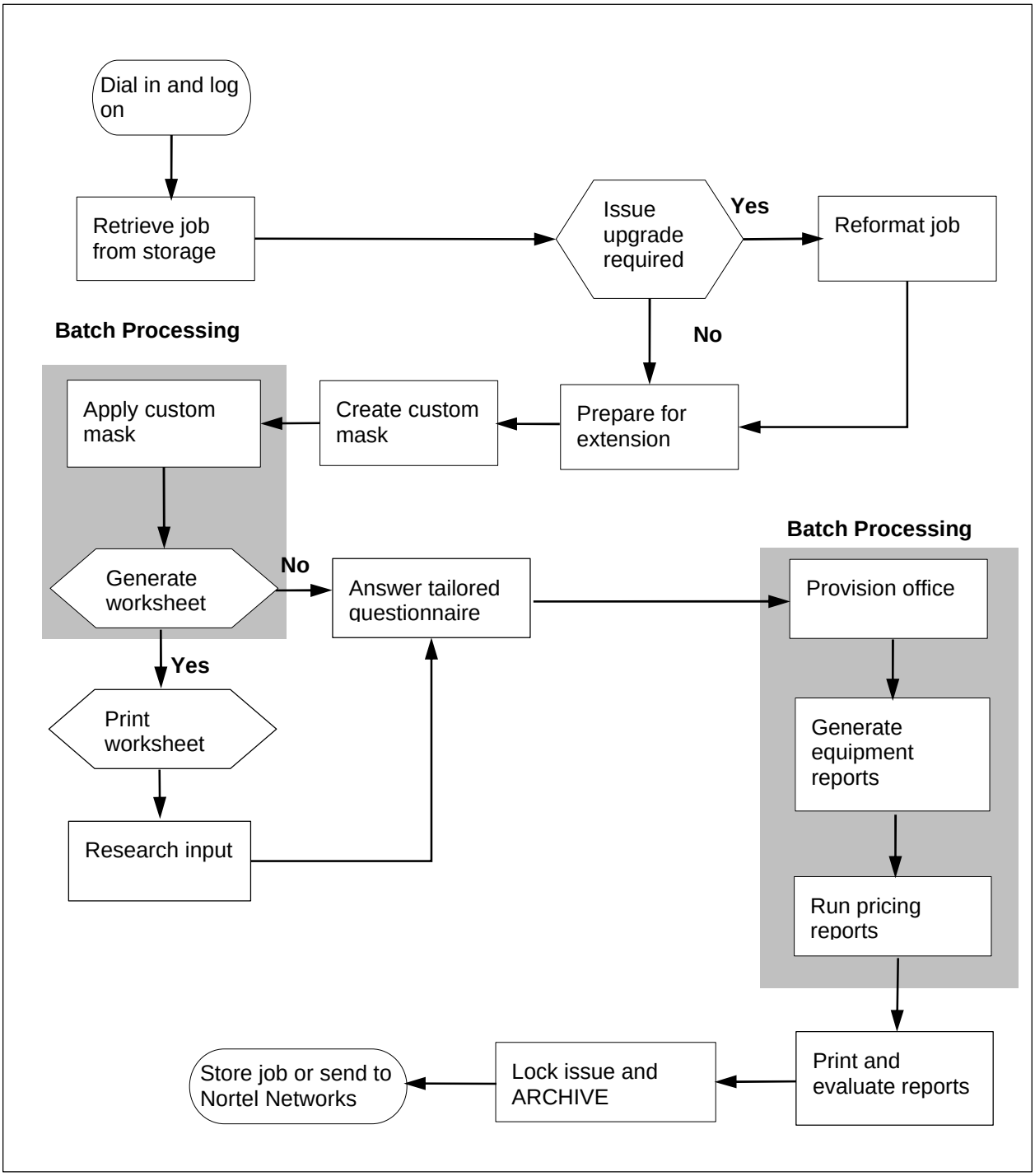
—continued—

Table 1-6
Create an extension using Batch Processing (continued)

Step	Action	Chapter
29	Notify the NT-ACCESS regional coordinator of the order by telephone if the job is transferred to Nortel Networks.	N/A
30	Exit NT-ACCESS and disconnect the modem.	N/A
—end—		

Figure 1-6 illustrates how to create an extension using Batch Processing.

Figure 1-6
Create an extension using Batch Processing



Operating company appendix process

The appendix process allows the operating company to update an order electronically while the order is in process without first placing the job in the lock final mode. These changes typically are required after the operating company network design group has passed the job to the equipment engineering group and equipment engineering is processing the order.

How to create an appendix

To create an appendix in the NT-ACCESS environment, use the following guideline. If more detailed information is required, refer to the chapter in this document listed under the chapter reference column.

Table 1-7
Create an appendix

Step	Action	Chapter
1	Dial into the Nortel Networks mainframe.	N/A
2	Access full screen software, if possible (for example, SIMPC).	N/A
3	Enter NT-ACCESS with an authorized userID and password.	N/A
4	Select JOB MAINTENANCE from the NT-ACCESS main menu and press <PF5> to retrieve the latest permitted copy of the job. To ensure that the latest issue of a job is retrieved, enter the job name, job type (PAQS100), owner group, owner userID, and issue number.	Job Maintenance page 5-7
5	Receive the job files on the NT-ACCESS account and press <PF3> to return to the main menu.	Job Maintenance page 5-7
6	<TAB> to the command line and type > SET OPT 1.	Provisioning page 2-17
7	Select EDITQS on the PAQS100 main menu and edit the questionnaire or type > FSIQ <questionID> to proceed directly to the appropriate question.	Provisioning page 2-31
8	Select PROVISION on the PAQS100 main menu and execute provisioning after all questionnaire edits are complete. Provision only executes changes for option 1.	Provisioning page 2-48
9	Select REPORT on the PAQS100 main menu.	Provisioning page 2-87

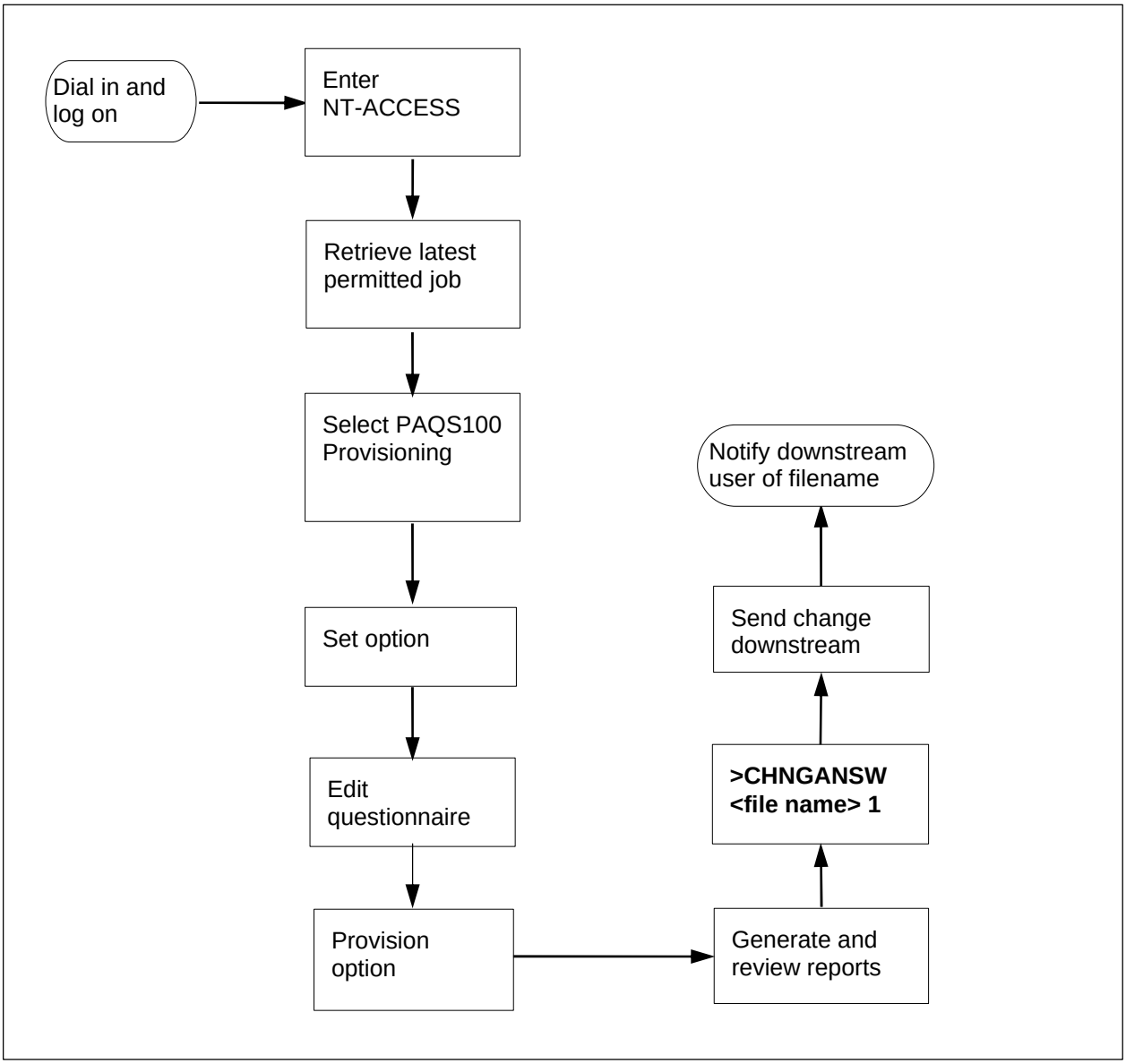
—continued—

Table 1-7
Create an appendix (continued)

Step	Action	Chapter
10	Specify option 1 in the field on the report menu titled OPTION to ensure that the reports only represent the differences (deltas) in equipment or question answers between the base job and the option (in this case, the change to the job order).	Provisioning page 2-87
11	Verify the content of the change by reviewing the reports.	N/A
12	Send the change downstream after the content of the change is satisfactory as follows: Type > **CHNGANSW <create a file name> 1** on the PAQS100 command line. This command places all of the changed answers for the option in a file. This file is placed in Job Maintenance with the file name selected for **<create a file name>** and with the file type APPENDX.	N/A
13	Send the file created in Step 12 by using the Job Maintenance facility.	Job Maintenance page 5-12
14	Notify the downstream user of the file name.	N/A
Note: In Step 12, the notation **<create a file name>** means that a file name must be assigned to the update. This file name is comprised of up to eight alpha-numeric characters in any combination. The notation **1** represents the option number. Up to eight options may be applied separately, or **ALL** may be used in place of the specific option number to apply all of the changes concurrently.		
—end—		

Figure 1-7 illustrates how to create an appendix.

Figure 1-7
How to create an appendix



How to receive an appendix

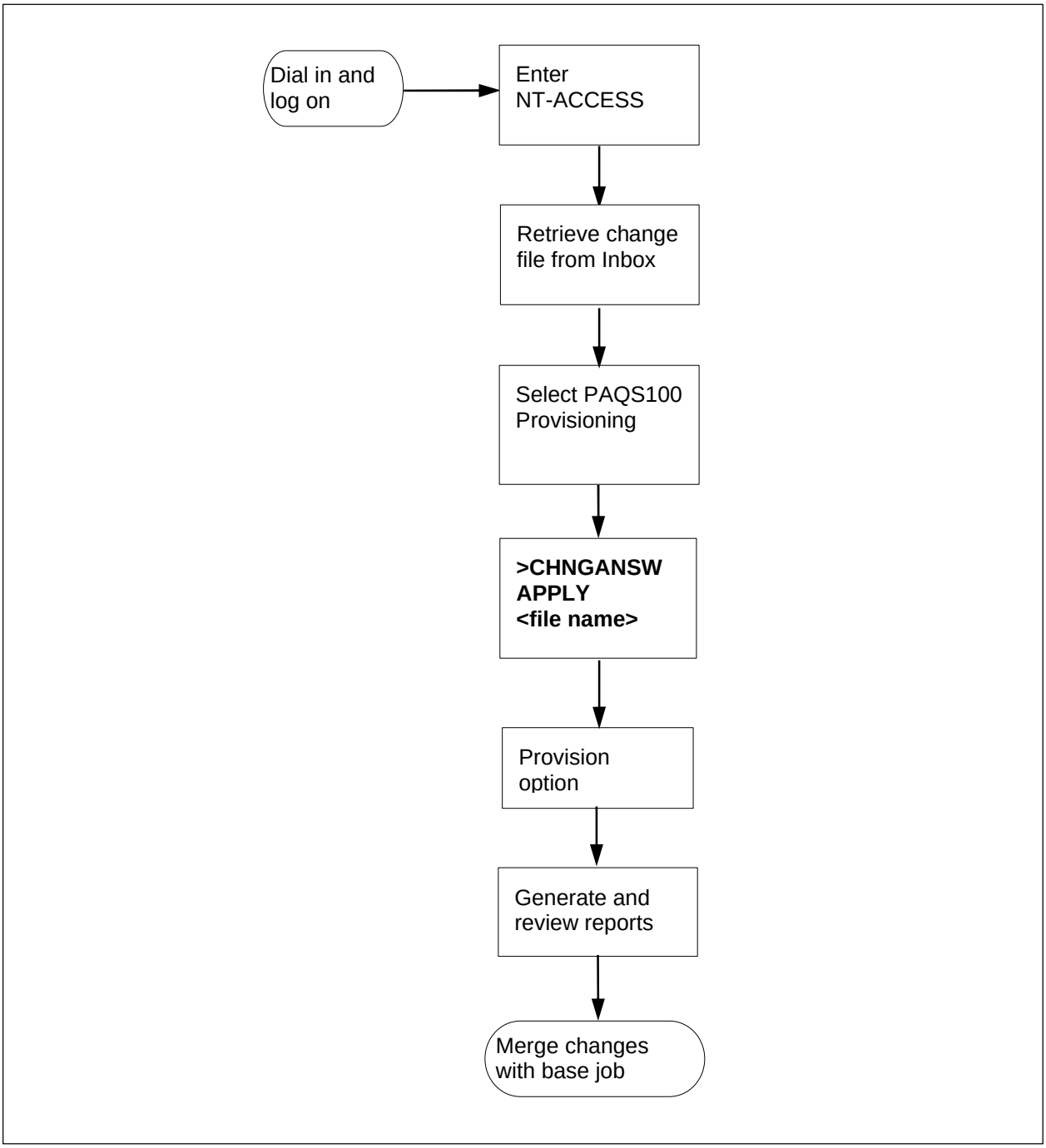
To receive an appendix in the NT-ACCESS environment, use the following guideline. If more detailed information is required, refer to the chapter in this document listed under the chapter reference column.

Table 1-8
Receive an appendix

Step	Action	Chapter
1	Dial into the Nortel Networks mainframe.	N/A
2	Access full screen software if possible (for example, SIMPC).	N/A
3	Enter NT-ACCESS with the authorized userID and password.	N/A
4	Receive the change from Inbox in Job Maintenance.	Job Maintenance page 5-31
5	Select DMS-100F PROVISIONING on the NT-ACCESS main menu. The PAQS100 main menu is presented.	Provisioning page 2-5
6	<TAB> to the command line and type **> CHNGANSW APPLY <file name>**.	N/A
7	Type > **PROVISION** on the command line. (The option is still set to 1 at this time.) > **PROVISION** only executes provisioning for the option.	Provisioning page 2-17
8	Select REPORTS on the PAQS100 main menu.	Provisioning page 2-87
9	Select the desired reports. Be sure to specify the option number in the field on the report menu titled OPTION to ensure that the reports only represent the differences (deltas) in equipment or question answers between the base job and the option (in this case, the change to the job order).	Provisioning page 2-92
10	Verify the content of the change by reviewing the reports.	N/A
11	Merge the change with the base job by typing > **MERGE OPT 1** on the PAQS100 command line.	Provisioning page 2-19
12	Continue working on the job.	N/A
13	**Provision the base when all work is complete.**	**Provisioning page 2-48**

Figure 1-8 illustrates how to receive an appendix.

Figure 1-8
How to receive an appendix



How to create changes to office configurations

Once a job is transferred to Nortel Networks, changes to the original order may be required. Changes made prior to placing a job in the POSTCI environment are made through editing the questionnaire answers and the equipment list. Changes made after placing the job in the POSTCI environment are made as change requests. Listed below are procedures for processing a change request in the operating company environment and the method of sending the change to Nortel Networks.

Note: Contractual agreements between operating companies and Nortel Networks still require that a letter be sent to Nortel Networks for operating company changes.

After transferring ownership of a job to Nortel Networks, the operating company engineer is always given access (permit) to view the latest Job Maintenance issue of a job while in process unless access is denied (unpermitted) by Nortel Networks engineering. The ability to view any issue of the job is critical for processing change requests.

A copy of the original job is retained on an NT-ACCESS userID A-disk or is erased once it is submitted to the Storage and Transfer System. Two scenarios exist due to this decision making process:

- If the job is retained on the NT-ACCESS account and the operating company engineer retrieves the latest permitted copy of the job from the Job Maintenance System, the system prompts for consent to replace the files when trying to receive them. Answering > **YES** to this question brings the latest version of the job onto the account and replaces the existing job files. Answering > **NO** to this question does not provide the latest version of the job and does not change the original files.
- If the job is erased from the NT-ACCESS account and the operating company engineer retrieves the latest permitted copy of the job from the Job Maintenance System, the question is not asked and the files are received automatically.

After the latest version of the job is received on the NT-ACCESS account, the operating company engineer enters Provisioning. In order to begin the change request process, The job must be in the POSTCI environment. If not, type > **LOCK FINAL** on the command line.

Note: Once > **LOCK FINAL** is applied, the job cannot return to the original environment.

The operating company engineer is now ready to initiate a change request. The change request process allows the operating company engineer to open a change against a job and electronically transmit the change to Nortel Networks. Single or multiple changes may be opened and transmitted;

however, only one change may be open against a job at a time. The change request process allows opening a change, changing the questionnaire, rerunning provisioning, and changing the equipment list. When the changes are complete, the change is closed and transmitted to Nortel Networks using the transmit utility. Each change must be opened, processed, and closed prior to transmittal to Nortel Networks.

Transmittal destinations are predetermined by the NT-ACCESS regional coordinators.

How to create a Change Order

In concurrence with the steps in Table 1-9 , please send a letter to Nortel Networks stating the changes that will be made to the office. Change Requests are implemented from PAQS Provisioning in the POSTCI mode.

To create a change order in the NT-ACCESS environment, use the following guideline. If more detailed information is required, refer to the chapter in this document listed under the chapter reference column.

Table 1-9
Create a Change Order

Step	Action	Chapter
1	Dial into the Nortel Networks mainframe.	N/A
2	Access full screen software if possible (for example, SIMPC).	N/A
3	Enter NT-ACCESS with the authorized userID and password.	N/A
4	Select JOB MAINTENANCE from the main menu and retrieve the latest permitted copy of the job. To ensure that the latest issue of a job is retrieved, enter the job name, job type (PAQS100), owner group, owner userID, and issue number.	Job Maintenance page 5-7
5	Receive the job files on the NT-ACCESS account. Return to the main menu <PF3>.	Job Maintenance page 5-7
6	Select DMS-100F Provisioning and select CHG ADMIN.	Change Request page 12-4
7	Press the <PF4> key, CHG OPEN to open a change against a job.	Change Request page 12-6

—continued—

Table 1-9
Create a Change Order (continued)

Step	Action	Chapter
8	Type in or select the following information, required to process a change request, on the Change Administration screen: Nortel Networks estimate number (COEO), for example, H12345 The Nortel Networks engineer and department number. A phone may be necessary to complete this requirement. The operating company engineer and phone number. Select Quote or Firm. Quote means that a price estimate is required prior to placing the change request as a firm order. Firm indicates that the change request should be processed as part of the order. For description, describe the change that is proposed.	Change Request page 14-5
9	Press <PF5> to enter change notes. This step is performed just prior to closing and transmitting the change.	Change Request page 12-7
10	Press <PF9> to add change notes. Type in the change note and press <ENTER> two times. Press <PF12> to save the notes and exit to the Change Administration screen.	Change Request page 12-7
11	Press <PF9>, FSIQ, to edit the questionnaire. Make the necessary changes and press <PF3> to save the changes and exit to the Change Administration screen.	Change Request page 12-10
12	Press <PF10>, FSEC, to provision the changed questionnaire. Interactive Provisioning is entered. Enter > **YY** in the run column at the first and last occurrence of the modules to start provisioning or type > **AUTO** at the top of the screen next to mode. Experienced users may want to provision inside of IMPROV and can enter the IMPROV environment by pressing <PF6>. Provision the appropriate sections. When all sections display OK under the status column or specific PSMs are selectively provisioned, press <PF3> to return to the Change Administration screen.	Change Request page 12-11

—continued—

Table 1-9
Create a Change Order (continued)

Step	Action	Chapter
13	Press <PF8>, FSEQ, to modify equipment. After all equipment modifications are complete, press <PF3> to return to the Change Administration screen.	Change Request page 12-10
14	Transmit the change or exit the Change Administration screen by pressing <PF3> and run reports by selecting REPORTS from the PAQS100 main menu.	Change Request page 12-12
15	Press <PF12>, Transmit, to transmit changes to Nortel Networks. The system prompts with the following message: "Transmittal will cause this Change Order to become closed. Do you still wish to transmit (Yes or No)?" Enter the appropriate response. The following question appears if provisioning is still pending on the change: "Provisioning is still pending for this change. Are you sure you want to close this change (Y/N)?" Enter the appropriate response. The Package and Transmit Facility is presented on the screen.	Change Request page 12-12
16	Press <PF5>, Activity List, to indicate the type of activity required.	Change Request page 12-16
17	Place the cursor over the desired activity and press <PF12>, Select. The Nortel Networks department targets appear. All destinations should be predetermined by the NT-ACCESS regional coordinators.	Change Request page 12-17
18	Press <PF12> to electronically send the change request to the Nortel Networks departments that are set up as targets.	Change Request page 12-17
19	Press <PF3> twice to return to the PAQS100 POSTCI environment menu.	Change Request page 12-17

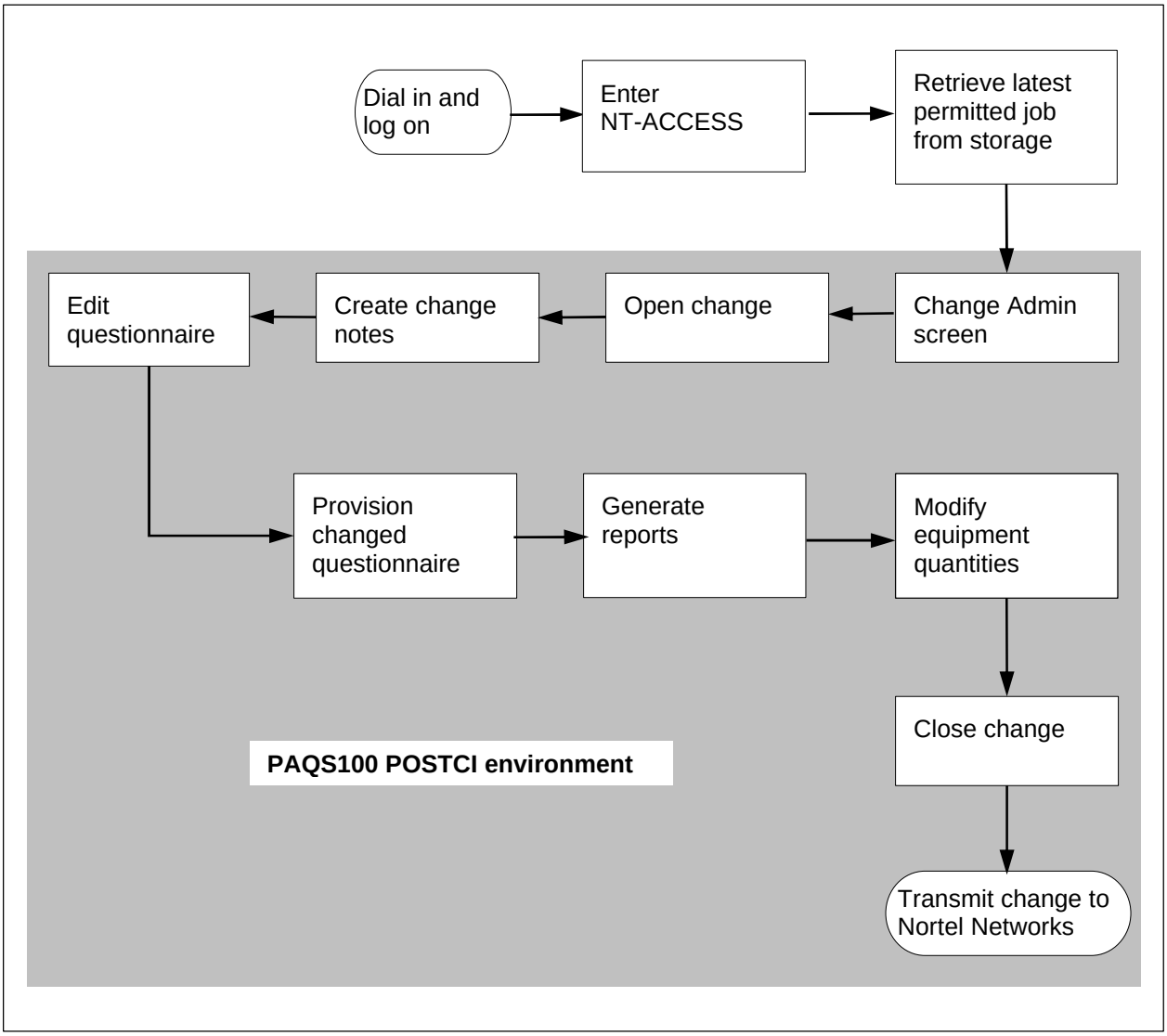
—continued—

Table 1-9
Create a Change Order (continued)

Step	Action	Chapter
20	Press <PF5> to exit the PAQS100 POSTCI environment and press <PF3> to quit the NT-ACCESS session.	Change Request page 12-17
21	Inform the NT-ACCESS regional coordinator that a change request is submitted.	N/A
22	Exit NT-ACCESS and disconnect the modem connection.	N/A
Note: Change requests cannot be processed until the job is placed in the POSTCI environment.		
—end—		

Figure 1-9 illustrates how to create a Change Order.

Figure 1-9
Change Order process



When is an interim job necessary?

On occasion, there are overlapping job scenarios. Two examples are described in the following sections.

Scenario 1

Work is in progress on a major extension job when a forecast change occurs. In this scenario, the engineer begins work associated with the next scheduled extension. First, go to Job Maintenance and retrieve the latest issue of the base job; prepare it for an extension. This prepared job is Job 1.

Job 1 has been in progress for a period of time when a change in forecast prompts provisioning a portion of the equipment early. This change may or may not defer the schedule of Job 1.

To avoid loss of work previously completed on Job 1, return to Job Maintenance, retrieve another copy of the base job, and prepare it for an extension. This job is used to order the equipment required for early delivery. This job is Job 2.

The problem is that Job 1 and Job 2 are both working from the same base job. When Job 2 is complete, the equipment and existing answers must be carried forward to Job 1. Failure to carry forward existing equipment results in over-provisioning of Job 1. Failure to carry forward existing answers results in inaccurate and confusing job records because the answered questionnaire does not match output results.

The merge job process defined in the subsequent section is used to extract the proposed equipment quantities and questionnaire answers from Job 2 and insert them in Job 1 as existing quantities.

Scenario 2

A second extension is started before finalizing the first extension. In this scenario, the operating company equipment engineer has completed or is near completion of all work associated with an extension when the traffic engineer begins work on the next extension.

As with scenario 1, both jobs could be working from the same base (latest Job Maintenance issue). When Job 2 is complete, the existing equipment and answers must be carried forward to Job 1. Failure to carry through existing equipment results in over-provisioning of Job 1. Failure to carry forward existing answers results in inaccurate and confusing job records because the answered questionnaire does not match output results.

As in scenario 1, the merge job process is used to extract the proposed equipment quantities and questionnaire answers from Job 2 and insert them in Job 1 as existing quantities.

Note: In scenario 2, the second extension may be using the nearly completed job as the base (assumes the questionnaire answers are completed and no more changes are required.) If this is the case, it is better to merge equipment quantities only. The option to merge equipment only is not provided in Release 217 by the merge jobs process. The equipment is merged through use of the DEEQUIP process.

How to create an interim job

To create an interim job, use the following guideline. If more detailed information is required, refer to the chapter in this document listed under the chapter reference column.

Table 1-10
Create an interim job

Step	Action	Chapter
1	Dial into the Nortel Networks mainframe.	N/A
2	Access full screen software if possible (for example, SIMPC).	N/A
3	Enter NT-ACCESS with the authorized userID and password.	N/A
4	Select JOB MAINTENANCE from the main menu and press <PF5> to retrieve the latest permitted copy of the job. To ensure that the latest issue of a job is retrieved, enter the job name, job type (PAQS100), owner group, owner userID, and issue number.	Job Maintenance page 5-7
5	Receive the job files on the NT-ACCESS account. This job copy becomes the base for the interim job. Return to the main menu <PF3>.	Job Maintenance page 5-7
6	Enter Job File Maintenance and type > P to prepare a job for the next extension. The system prompts for the old job name and the new job name. This capability moves all existing question answers and equipment quantities from the base job to the existing field.	Job Maintenance page 5-16

—continued—

Table 1-10
Create an interim job (continued)

Step	Action	Chapter
7	Select DMS-100F PROVISIONING and create an option to the base job. All of the interim job calculations and questionnaire answers are performed in an option to provide a questionnaire delta report between the base job and the interim job. This report must be printed and hand carried to the person creating the major extension job so the questionnaire is altered according to the interim job changes.	Provisioning page 2-16
8	Complete Steps 6 through 15 of “How to create an extension using online processing” beginning on page 1-34 in this chapter.	N/A
9	Before merging the option with the base, provision the job and print the following reports: MEREP or MESUM Equipment Summary ANSQUEST Masked Answered Questionnaire (use Y and C in parameter field) PRNOTES Provisioning Notes Once again, the purpose of printing reports prior to merging the option (interim job) with the base is to create reports for the engineer who is working on the major extension. The engineer needs to know what changes were made to the questionnaire that in turn calculated the equipment list for the interim job.	Provisioning Reports pages 2-17 and 2-87
10	Merge the option and the base job and complete Steps 16 through 23 of the online extension process procedure. After the extension is stored, transferred, or both, return to the provisioning environment in NT-ACCESS to create an electronic equipment file that is sent to the engineer creating the major extension job.	Provisioning PAQS page 2-19

—continued—

Table 1-10
Create an interim job (continued)

Step	Action	Chapter
11	Type the following command on the command line in the PAQS100 environment : > **DEEQUIP (new job name) 0 Q E**, (for example, > **DEEQUIP TRUNKADD 0 Q E**). The characters 0 Q E represent Base option 0, total quantities to be populated in the exist column of the major extension job. This command creates a file that can be applied to the major extension job concurrent to the interim extension job.	Provisioning PAQS page 1-61
12	Press <PF5> to file out of the job and exit the PAQS100 environment.	Provisioning PAQS page 2-9
13	Select JOB MAINTENANCE from the NT-ACCESS main menu and use > **S**, to send a file to another user. Send the DEEQUIP file to the engineer working on the major extension. This file should be applied to the job (existing field of the material equipment list [MEL]) to ensure accurate provisioning and accurate equipment files.	Job Maintenance page 5-12
Note: It is critical to remember the name of the DEEQUIP file because it does not appear in the Job Maintenance file list.		
—end—		

How to apply a DEEQUIP file to a major extension

During the time that the interim job is being created and processed, another engineer is completing a major extension job. To ensure that questionnaire answers and provisioning are accurate, the existing equipment file and questionnaire must change to reflect the equipment ordered by the interim job. The following instructions outline how this equipment is applied to a job that is being created. The engineer who created the interim job should notify the engineer creating the major extension to verify that the DEEQUIP file was sent and to specify the DEEQUIP filename that can be applied to the major extension job. The questionnaire reports from the interim job should also be forwarded to this engineer.

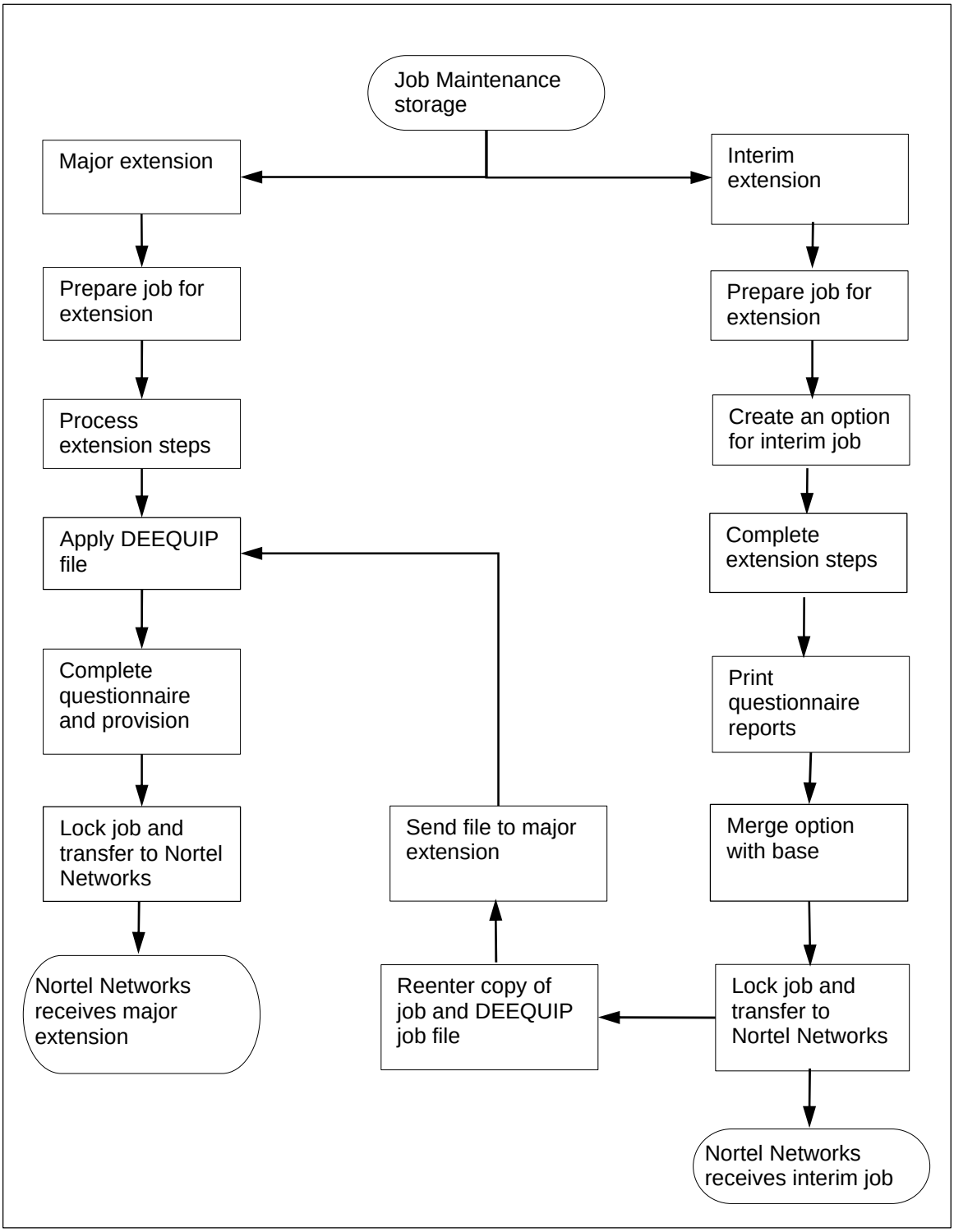
To apply a DEEQUIP file to a major extension, use the following guideline. If more detailed information is required, refer to the chapter in this document listed under the chapter reference column.

Table 1-11
Apply a DEEQUIP file to a major extension

Step	Action	Chapter
1	Select JOB MAINTENANCE to obtain the file and press <PF9>, Inbox.	Job Maintenance page 5-7
2	Select DMS-100F PROVISIONING to apply the file and type in the job name of the extension that is being processed. On the command line in the PAQS100 environment, type the DEEQUIP filename only. (For example, if the original DEEQUIP command was "DEEQUIP trunkadd 0 Q E", type > TRUNKADD on the command line of the new job.) The file is applied to the job. To avoid seeing the application or clearing the screen several times while the file is being applied, type > HT to halt the type. The file continues to be applied and the system presents the PAQS100 main menu when complete.	Provisioning PAQS page 2-4
3	Select EDITEQ to verify that the equipment quantities added to the exist column of the job. The equipment from the previous job as well as the interim job is now available. Questionnaire input and provisioning may continue. This job will follow normal extension procedures from this point through completion.	Provisioning PAQS page 2-79
Note: **The equipment quantities in Step 3 were applied, but the questionnaire answers do not accompany the file. The questionnaire answers were captured, however, in the delta report created by the engineer who created the interim job as an option. Be sure to obtain the questionnaire reports to allow adjustment of the questionnaire based on the interim job answers.**		

Figure 1-10 illustrates interim job processing, including application of the DEEQUIP file.

Figure 1-10
Interim job processing



Electronic order process

How to send an electronic order to Nortel Networks

Placing an electronic order to Nortel Networks for central office equipment is accomplished in NT-ACCESS by using the following guideline. If more detailed information is required, refer to the chapter in this document listed under the chapter reference column.

Table 1-12
Send an electronic order to Nortel Networks

Step	Action	Chapter
1	Dial into the Nortel Networks mainframe.	N/A
2	Access full screen software if possible (for example, SIMPC).	N/A
3	Enter NT-ACCESS with the authorized userID and password.	N/A
4	Access the job to be transferred.	N/A
5	Lock the job and provide a description in the ADMIN facility prior to sending the job to Nortel Networks.	Advance Commands page 15-10
6	Enter JOB MAINTENANCE. This task is accomplished in two ways: by selecting NTAJM, from the PAQS100 main menu by selecting JOB MAINTENANCE, from the NT-ACCESS main menu	Job Maintenance page 2-5 page 5-7
7	Select > **A** to electronically submit job files. A final message is presented stating that the job is submitted to storage.	Job Maintenance page 5-11
8	To submit a job to Job Maintenance, the fields should look like those in the following example: Jobname: Practice Jobtype: Paqs100 Status: plan Desc: dnvrco01——, 1990, 50000 line DMS-100 with Supernode. Type in all of the information and press <ENTER>. A message is presented stating that the job is being processed. A final message is presented verifying that the job is submitted to storage.	Job Maintenance page 5-11

—continued—

Table 1-12
Send an electronic order to Nortel Networks (continued)

Step	Action	Chapter
9	Press <PF5> after the job is successfully submitted and retrieve a stored job list by typing the job name in the job field. Press <ENTER>. This process produces a historical listing of the specified job. Use > P to transfer a job to Nortel Networks. After typing in all of the information, press <ENTER> to submit. A message is presented verifying that the job was sent for processing. When transferring jobs to Nortel Networks, the following Job Maintenance groups should be referenced depending upon the location of the operating company: **Location** — **Job Maintenance group** Atlanta — SOENGR Birmingham — SCENGR Chicago — CNENGR Dallas — SWENGR Denver — WEENGR IOC — INDENGR McLean — MAENGR San Ramon — PCENGR Sprint — SPRENGR Tarrytown — NEENGR Westboro — FDENGR	Job Maintenance page 5-46
10	Exit Job Maintenance by pressing <PF3>.	N/A
11	Exit NT-ACCESS and disconnect the modem.	N/A
12	Notify the NT-ACCESS regional coordinator that the job was electronically transferred by telephone.	N/A
—end—		

How to submit a Change Order to Nortel Networks

Refer to the section “How to create changes to office configurations” on page 1-52 for detailed instructions on sending Change Orders to Nortel Networks.

Nortel Networks internal process overview

After an electronic order is placed through NT-ACCESS to Nortel Networks, the regional engineering group reviews the job. Any questions regarding the job are addressed back to the operating company engineers. Concurrence on any changes must occur between Nortel Networks and the operating company.

When all questions and issues have been addressed between Nortel Networks engineering and operating company engineers, the job is locked and permitted to Nortel Networks marketing to prepare the final firm price quotation. Nortel Networks engineering sends a copy of the final CI along with any CI updates to the operating company once the firm price quotation is released. Nortel Networks marketing prepares and distributes the firm price quotation to the operating company through the Nortel Networks sales department.

While Nortel Networks is working with the electronic order, the operating company engineer can retrieve a copy of the office parameters from Job Maintenance and initiate change requests. Change requests are received electronically from the operating company engineer and processed according to procedures currently used for manually processed jobs.

After the job is finalized, the job files are electronically transferred back to the operating company.

NT-ACCESS job tracking

Understanding issue control

Control of job files is maintained through NT-ACCESS issue control. There are two places to create issues of a job:

- in the provisioning system
- in the storage and transfer system

The issues created in the Provisioning System are created by typing > **LOCK** on the command line in the PAQS100 main menu. This lock time stamps the material equipment list (MEL) so that anything changed after the lock is shown as a delta. The same office configuration could be engineered by several individuals and each person could lock their work. Each new lock increments the job issue by one. A job can be locked up to 99 times.

The second type of issue that is created in NT-ACCESS is from Job Maintenance. Each time a job is stored in the long-term storage of Job Maintenance, a new issue is created. When a job is transferred, all Job Maintenance issues that were created by the sending group are collapsed into one issue with the most current information being transferred. This issue of the job permanently resides in Stored Jobs of Job Maintenance even if the job is transferred to another group.

PAQS100 Administration screen

Job description information is entered in the system in the PAQS100 administration screen. When working in the NT-ACCESS provisioning sub module, select ADMIN from the PAQS100 main menu, illustrated in Figure 2-3, and enter a description of the office being developed. This guideline is important for downstream recipients to understand the office parameters of the job and is used for job tracking.

Long-term storage naming standards (inside Job Maintenance)

When a new job is created in the NT-ACCESS environment, the system prompts to select a job name. As new jobs are created in NT-ACCESS and transferred through various departments in the organization and then to Nortel Networks, it becomes increasingly important to have uniform standards for tracking jobs.

Job naming information is required and accessed in several places in NT-ACCESS. The two times to enter job naming information are

- when creating a new job in the DMS-100 provisioning module
- when creating a new job through Batch Processing

When a new job is created, job tracking prompts appear requesting additional information.

Cross-referencing job names is accomplished in the job tracking facility of NT-ACCESS. Long-term storage in Job Maintenance also requires information to be uniform. The recommended guidelines for working in the stored job facility of Job Maintenance are as follows:

- When an office configuration is ready to be stored or transferred, enter Job Maintenance from the NT-ACCESS main menu, from the PAQS100 main menu, or from the Job File Maintenance menu.
- Place the cursor under the action column, next to the appropriate job. Type > **A** for Store.

- A pop-up window is presented with all fields populated except for status and description. Fill in these fields by using the following standards developed to distinguish the status of a job. The STAT field in the Storage and Transfer facility of NT-ACCESS allows a maximum of four characters and describes the order status of the job. The recommended status categories are as follows:

Customer environment

- PLAN
  - — provisioning and pricing completed by operating company planners
- DSGN
  - — provisioning and pricing completed by operating company design engineers
- ENG
  - — provisioning and pricing completed by operating company equipment engineers
- COHI
  - — change on host initial
- COHE
  - — change on host extension
- CORI
  - — change on remote initial
- CORE
  - — change on remote extension

Nortel Networks engineering environment

- HCI
  - — host CI
- HCIE
  - — host CI extension
- RCI
  - — remote CI

- RCIE
  — remote CI extension
- HRQ
  — host request for quotation
- HRQE
  — host request for quotation extension
- RRQ
  — remote request for quotation
- RRQE
  — remote request for quotation extension
- COHI
  — change on host initial
- COHE
  — change on host extension
- CORI
  — change on remote initial
- CORE
  — change on remote extension

Nortel Networks marketing environment

- FPQ
  — firm price quote
- COHI
  — change on host initial
- COHE
  — change on host extension
- CORI
  — change on remote initial
- CORE
  — change on remote extension

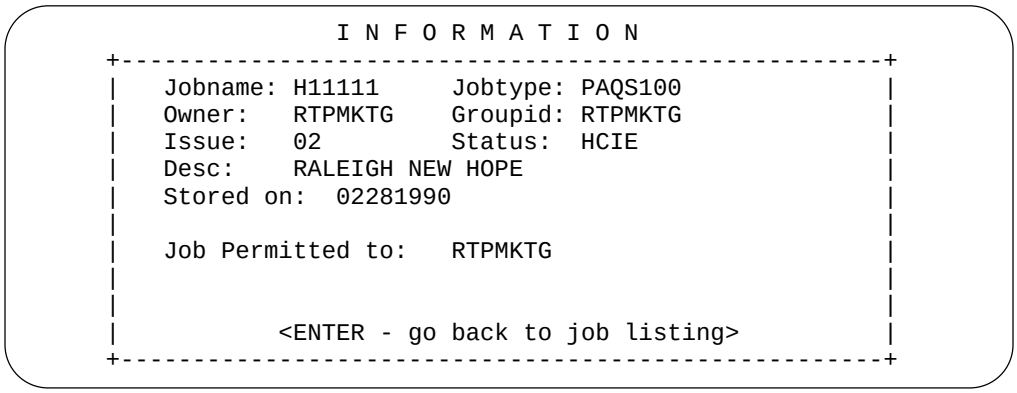
Operating company engineers should only use the job status with the categories listed under customer environment. Nortel Networks updates the engineering and marketing categories as the order is processed in Nortel Networks. It is strongly recommended that the Job Status field be regularly updated to help track issues of the same job and to identify the status of a job. Figure 1-11 and Figure 1-12 are examples of how the Status field helps to identify a job when using the > **INFO (I)** command.

Figure 1-11
Stored Job screen in Job Maintenance

```
INSCVS01   JOB MAINTENANCE:  STORED  as of  07/25/2003  at 15:46:33

Action  Jobname     Jobtype    Issue    Owner       Date

        H4E011      PAQS100     01      RIJES01     04/25/2003
        H4E012      PAQS100     01      ATLXW01     05/01/2003
        H4E014      PAQS100     01      MELIAS      04/17/2003
        H4E015      PAQS100     01      MELIAS      04/17/2003
        H4E018      PAQS100     01      SRSAE32     05/09/2003
        H4E024      PAQS100     03      NORAXG01    05/22/2003
        H4E024      PAQS100     02      NORAXG01    05/14/2003
        H4E024      PAQS100     01      NORAXG01    04/22/2003
        H4E028      PAQS100     02      RIZZOLO     06/09/2003
        H4E028      PAQS100     01      RIZZOLO     04/25/2003
        H4E030      PAQS100     03      NORJSH01    05/16/2003
        H4E030      PAQS100     02      NORJSH01    05/02/2003
        H4E030      PAQS100     01      NORJSH01    05/02/2003
        H4E031      PAQS100     01      DEMAB01     05/02/2003
        H4E032      PAQS100     01      DARRYLJ     05/02/2003
        H4E033      PAQS100     02      INSAAD01    05/30/2003
        H4E033      PAQS100     01      INSCRH01    05/30/2003
        H4E033      PAQS100     01      INSAAD01    04/24/2003
        H4E034      PAQS100     04      VARMB01     06/19/2003
        H4E034      PAQS100     03      VARMB01     05/21/2003
        H4E034      PAQS100     02      VARMB01     05/14/2003
        H4E034      PAQS100     01      VARMB01     04/22/2003
        H4E035      PAQS100     01      MBURDICK    05/22/2003
        H4E037      PAQS100     02      NORGDW01    05/28/2003
        H4E037      PAQS100     01      NORGDW01    05/09/2003
        H4E038      PAQS100     03      NORDDO01    06/24/2003
        H4E038      PAQS100     02      NORDDO01    06/13/2003
        H4E038      PAQS100     01      NORDDO01    06/13/2003

ACTIONS: I- Info   R- Retrieve T- Transfer E- Erase
         M- Modify P- Permit   U- Unpermit

THE ESTIMATED RETRIEVE PROCESSING TIME (HH:MM:SS) IS: 00:01:00

PF1  - Help      PF2  - Current Jobs   PF3  - Quit   PF5 - Select Jobs
PF6  - Listings  PF7  - Up             PF8  - Down   PF9 - Inbox
PF10 - Status    PF11 - Top            PF12 - Bottom
====>
```

The information action example in Figure 1-11 indicates that an operating company equipment engineer completed the initial provisioning for this office and then transferred the job to Nortel Networks engineering. Nortel Networks engineering reviewed the job and passed it to marketing to establish a firm price quotation (see HRQE in the Status field), as illustrated in Figure 1-12.

Figure 1-12
Stored Job screen (Information Action)



How to view Engineering Manual documents

Engineering Manual documents provide Nortel Networks Standard rules on a per PEC basis including always provided equipment. To view Engineering Manual documents, use the following guideline. If more detailed information is required, refer to the chapter in this document listed under the chapter reference column.

Table 1-13
View Engineering Manual documents

Step	Action	Chapter
1	Dial into the Nortel Networks mainframe.	N/A
2	Access the full screen software if possible (for example, SIMPC).	N/A
3	Enter NT-ACCESS with the authorized userID and password.	N/A
4	Open the Engineering Manual document to be viewed.	N/A
5	Use one of the following two methods to view Engineering Manual documents:	N/A

—continued—

Table 1-13
View Engineering Manual documents (continued)

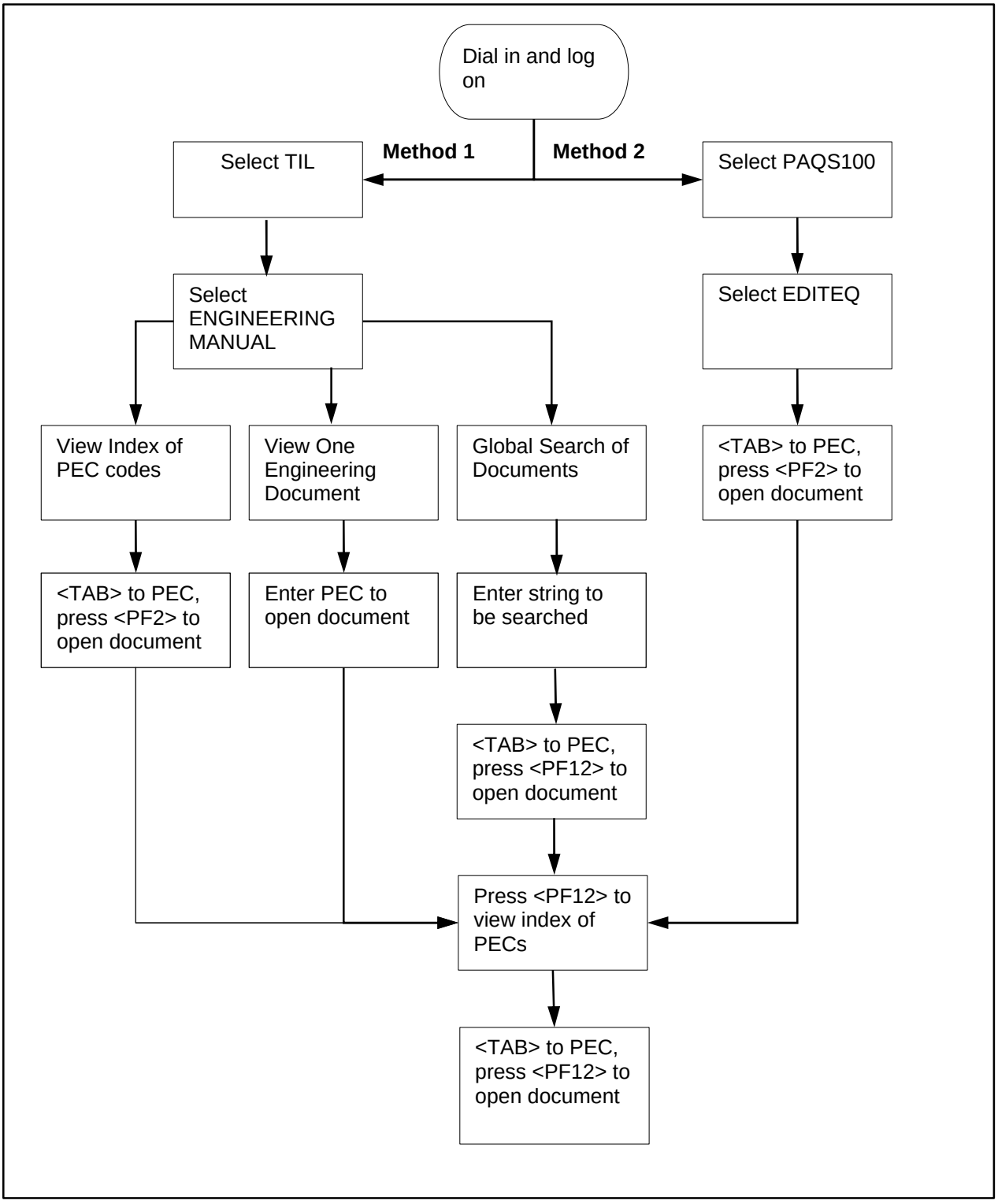
Step	Action	Chapter
Method 1 To view Engineering Manual documents using Method 1, use the following guidelines outlined in Steps 6 through 9:		
6	Select TECHNICAL INFO LIBRARY (TIL) on the NT-ACCESS main menu. The TIL main menu is presented.	TIL page 6-3
7	Select ENGINEERING MANUAL on the TIL main menu. Three options VIEW AN INDEX OF DOCUMENTS, VIEW ONE DOCUMENT, and GLOBAL SEARCH OF DOCUMENTS are presented. a. To find a specific product engineering code (PEC), select VIEW AN INDEX OF DOCUMENTS. An index of PEC codes is presented. To find a specific PEC, page through the PECs or type a backslash followed by the specific PEC on the command line, for example, > **/NTZZ12HA**. <TAB> to the PEC and press <PF12> to open the Engineering Manual document. b. To find a specific PEC when the PEC code is known, select VIEW ONE DOCUMENT. A prompt for a specific PEC is presented. Enter the PEC and press <ENTER>. The system performs a search and displays the Engineering Document for the specific PEC. c. To view an Engineering Manual document containing a specific string of characters, select GLOBAL SEARCH OF DOCUMENTS. A prompt for a string of characters is presented. The system performs a search on this string of characters. (This search is case sensitive.) An index of documents containing the string of characters is displayed. <TAB> to any document and press <PF12>. The Engineering Document for that PEC is displayed and may be viewed to determine the always provided equipment included in the PEC.	TIL page 6-5 TIL page 6-5 TIL page 6-5 TIL page 6-5
8	Press <PF12> to obtain an index of other generic PECs that include the selected PEC.	TIL page 6-5
9	Press <PF12> to open any document that is listed in the index.	TIL page 6-5
—continued—		

Table 1-13
View Engineering Manual documents (continued)

Step	Action	Chapter
Method 2 To view engineering manual documents using Method 2, use the following guidelines outlined in Steps 10 through 14:		
10	Select DMS-100F PROVISIONING on the NT-ACCESS main menu and enter a PAQS100 job.	Provisioning page 2-4
11	Enter EDITEQ on the PAQS100 main menu. The equipment list is displayed.	Provisioning page 2-79
12	<TAB> to any PEC listed in the equipment list and press <PF2>. The Engineering Document for that PEC is displayed and may be viewed to determine the always provided equipment included in the PEC.	Provisioning page 2-5
13	Press <PF12> to obtain an index of other PECs that include the selected PEC.	TIL page 6-5
14	Press <PF12> to open any document that is listed in the index.	TIL page 6-5
—end—		

Figure 1-13 illustrates how to view Engineering Manual documents.

Figure 1-13
How to view Engineering Manual documents



Printing and downloading reports

The Report Manager function of NT-ACCESS allows reports to be printed to defined locations or allows the files to be downloaded for further processing or printing. Type > **P** or press <PF4> from Report Manager and a pop-up window displaying selected printing parameters is presented. The printing parameters are unique and may be changed by pressing <PF2>. To download files to a PC, type > **D** or press <PF5>. The standard methods for printing and downloading files are as follows:

- Printing reports
  - PC-attached printer with PC running SIM
  - print to terminal (for parallel slave printer)
  - transfer to UNIX
- Downloading files
  - transfer to PC running SIM
  - transfer for IBM protocol

The menus are user friendly and provide step-by-step instructions for printing and downloading. Refer to Chapter 13, “Report Manager,” in this document for more detailed instructions.

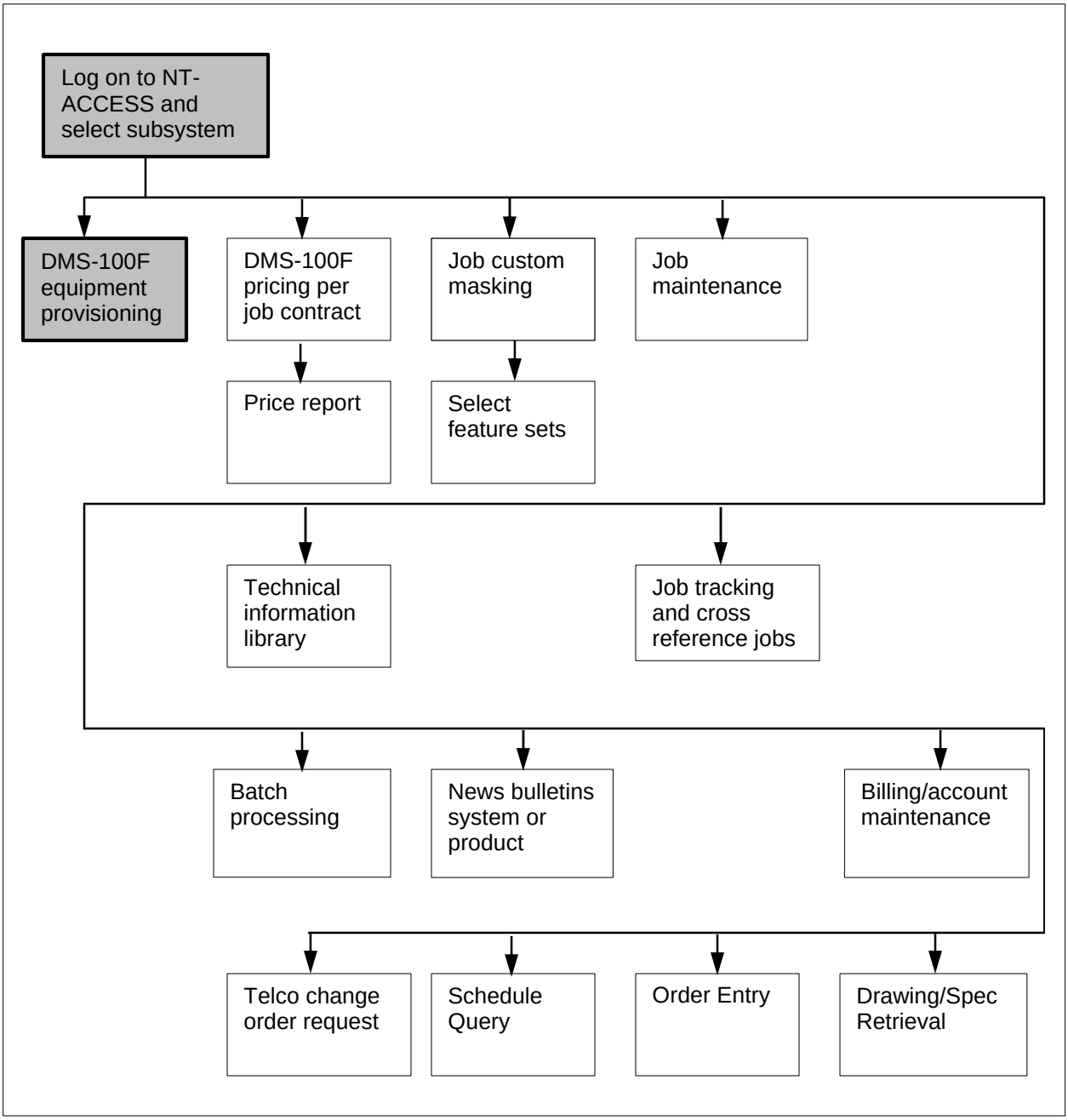
DMS-100F Provisioning System

What is the DMS-100F Provisioning System?

The Provisioning and Quotation System, or PAQS100, is an electronic tool used to capture office, traffic, and feature data and convert that data to an equipment list. PAQS100 is included as a sub module of NT-ACCESS.

The relationship between PAQS100 and the NT-ACCESS system is illustrated in Figure 2-1.

Figure 2-1
NT-ACCESS process flow – Provisioning



How to enter the Provisioning System

To provision a switch using NT-ACCESS, select menu item DMS-100F Provisioning from the NT-ACCESS main menu illustrated in Figure 2-2. The system prompts for a job name and job tracking information if a new job is being created and the PAQS100 main menu illustrated in Figure 2-3 is presented.

Figure 2-2
NT-ACCESS main menu – DMS-100F Provisioning

```
=====================================================
                    NORTEL NETWORKS

                  N T - A C C E S S
       AUTOMATED PLANNING AND ORDER CAPTURE SYSTEM
                    Release 414

               Please Select From the Menu:

 1 DMS-100F Provisioning      7 News Bulletins
 2 DMS-100F Pricing           8 Billing/Account Maint.
 3 Create a Custom Mask       9 Drawing/Spec Retrieval
 4 Job Maintenance            10 Schedule Query
 5 Technical Info Library     11 Telco Change Order Request
 6 Batch Processing

                       <PF3> Quit
=====================================================
```

The system checks available disk space. The following system message appears every time you enter provisioning:

```
Your A–Disk is __ % full.
```

A minimum of 15% of available disk space is required to enter provisioning. Existing jobs often require even more space.

If the disk is too full, go into Job Maintenance, free up some disk space, and then return to provisioning.

> ***Note:*** The disk storage check will reduce the incidence of corrupt jobs due to inadequate disk storage.

How to name the job

To name the job, perform the following steps:

1 Select DMS-100F Provisioning from the main menu. The system presents the following prompt:

```
=====================================================

                  DMS-100F  PROVISIONING

=====================================================

          PLEASE ENTER YOUR JOBID OR <PF3> TO QUIT

            1 DUASONET   4 RLCM252    7 SNETMAD2
            2 H0L025Q1   5 SIGSONET   8 STPEXT1
            3 H0TRB01    6 SNETMAD1   9 STPQ1

        Enter,1 - 10,(or N for New Job, Q or PF3 to Quit)
```

2 Type “N” for a new job. The recommended standard for a job name is a sequential number plus a partial common language location identifier (CLLI) code.

3 Enter 1 - XX for an existing job file.

How to enter job tracking information

After scanning Job Tracking, the system prompts for job tracking information about a new job. The questions are presented to the screen, one at a time. Answer each one as it is presented.

```
Please enter the NPA/NXX code (8 digits maximum).

Please enter the Project Code (15 characters maximum).

Please enter the CLLI Code (20 characters maximum).

Please enter your Remarks. Remarks longer than 45 characters
will be truncated.
```

If the job name is new, the system scans the customer-specific group for any jobs with that same name. If a job with that name already exists, the following screen is presented:

```
Job TEST already exists in Job Tracking for RTP_MARKETING
Region. Input a new job name now or type “QUIT” to return to
the previous menu. Depress <ENTER> to proceed into the
DMS100 Provisioning System.
```

It is advisable to type in a different job name for job tracking purposes.

After all of the questions are answered, the following message is displayed on the screen for about 3 seconds:

```
Job <jobname> has been sent to the job tracking Server to be
processed.
```

Now that the new job is entered in the Job Tracking System, the PAQS100 main menu is presented and provisioning may begin.

The PAQS100 main menu

The PAQS100 main menu is illustrated in Figure 2-3.

Figure 2-3
PAQS100 main menu

```
*INFO* Please enter Job Type (HOST or REMOTE)


**** ********************************************************** ****
****                          PAQS100                           ****
**** ********************************************************** ****
Office :                                                  12:21:40
Jobname:  TESTER                                 Option:         0
Jobtype:  HOST                                   Masked:         N
Issue  :  414




Select an item number or type a command:

>>  1) ADMIN        - Set/query job attributes
>>  2) MASK         - Apply/create/list masks
>>  3) EDITQS       - Input/edit questionnaire data
>>  4) RESERVED     - Not used at this time
>>  5) PROVISION    - Apply provisioning rules
>>  6) INT. PROV.   - Interactive provisioning
>>  7) EDITEQ       - Edit/display equipment data
>>  8) REPORT       - Generate reports
>>  9) BULLETIN     - System bulletins
>> 10) NTAJM        - Interface to Job Maintenance System
>> 11) SOLID        - Interface to SOLID
>> 12) CPRQ         - Critical Pricing Questions


====> SET JOBTYPE HOST

PF1=HLP PF2=? PF3=QUIT PF4=EXIT PF5=FILE PF6=RETR PF9=XMIT PF10=MED
PF12=POINT
```

If this is a new job, it is necessary to set the job type (default is HOST) on the PAQS100 main menu. At the command line, the command `SET JOBTYPE HOST` is displayed. If the new job type is host, press <ENTER>.

If the job type is not host, then type **> Remote** over the word HOST and press <ENTER>. If the job already exists, this statement does not appear.

> ***Note:*** Job types DNC and NAV are available only for existing jobs and therefore cannot be used when creating a new job.

The PAQS100 main menu is the window to the world of provisioning. The menu items are numbered to function as a chronological guide through PAQS. Commands are entered at the command line (========>) after experience on the system is acquired. Some of these commands are detailed in Chapter 15 of this document.

Most screens in PAQS contain fields and menu items. Fields are areas of the screen where data is either already provided by the system or must be typed in for PAQS to run. Menu items on the PAQS100 main menu access specific functions in PAQS100.

PAQS100 main menu fields

The PAQS100 main menu fields are defined as follows:

- Office
  - — office number of the current job reflects the answer entered for the CLLI question
- Jobname
  - — name of the current job
- Jobtype
  - — type of office – host, remote, DNC or NAV
- Release
  - — questionnaire release number, for example, 414.0
- hh:mm:ss
  - — current time in hours, minutes, and seconds
- Option
  - — current option that is in effect
- Masked
  - — status of the mask
    - – > **N** = No mask applied
    - – > **Y** = mask applied

PAQS100 main menu items

The PAQS100 main menu items are defined as follows:

- ADMIN
  - — administration function that allows various job attributes to be set or queried
- MASK
  - — questionnaire input facility that allows questionnaire input by mask application
- EDITQS
  - — questionnaire input/edit facility that generates the full screen input questionnaire screen
- PROVISION
  - — equipment calculation facility that calculates equipment quantities for the entire office and any associated option
- INT. PROV.
  - — equipment calculation facility that allows access to the IMPROV module
    - – IMPROV module allows the provisioning of one module at a time, the examination of module imports and exports, and the viewing or modifying of questionnaire answers as many times as required
- EDITEQ
  - — equipment input/edit facility that permits viewing and modification of equipment quantities, generates a full screen equipment list with edit capabilities that include total, existing, customer add, and NTI quantities
- REPORT
  - — information extraction facility that permits selecting, viewing, and printing reports
- BULLETIN
  - — information facility that refers the user to News Bulletins on the main menu
  - — not currently used for operating companies

- NTAJM
  - — offline storage facility that allows the storage and retrieval of job files, storage of jobs that are no longer required on the userID A-disk, and transferal of jobs between user groups, the customer, and Nortel Networks.
- SOLID
  - — Database that contains all the software ordering information for NORTEL. Used to provision software features in support of DMS evolution.
- CPRQ
  - — Critical Pricing Questions

Menu items are selected in two ways:

- Type the number of the menu item at the command line and press <ENTER>.
- Place the cursor on the menu item line using <TAB> (preferably on the point field >>), and press <PF12>.

PAQS100 main menu PF keys

The PAQS100 main menu PF keys are defined as follows:

- PF1 = HELP
  - — invokes the online help facility
- PF2 = ?
  - — describes a specified menu item
    - – For example, place the cursor on the menu item, press <PF2>, and a help window is displayed for that item.
- PF3 = QUIT
  - — issues the following prompt:

```
"Quitting will result in a loss of data not previously
 saved. Do you still want to quit (y/n) ?"
```

    - – > Y returns the system to the NT-ACCESS main menu without saving data. (Warnings are issued.)
    - – > N results in no action and the system remains in the PAQS100 main menu.
- PF4 = EXIT
  - — exits the full screen mode, enters the PAQS command mode, and presents the READY prompt and a blank screen. Advanced commands are executed from this environment.

Note: Type > FSENV to return to the PAQS100 main menu, > FILE to exit and save, or > QUIT to exit without saving session data altered since the last save.

- PF5 = FILE
  - — saves the data, exits from PAQS, and returns the NT-ACCESS main menu
- PF6 = RETRIEVE
  - — displays the last command entered on the command line
- PF9 = XMIT
  - — determines the destination of change requests
- PF10 = MED
  - — toggles automatic screen clear between Slow – 30sec, Medium –10sec, and Fast – 2sec.
- PF12 = POINT
  - — performs the function of the line the cursor is on
    - – To implement Interactive Provisioning, place the cursor anywhere on the line for menu item Interactive Provisioning and press <PF12>; the Interactive Provisioning screen is presented.

ADMIN – set/query job attributes

To access the administration function, select menu item ADMIN from the PAQS100 main menu. The PAQS100 Database Administration screen illustrated in Figure 2-4 is presented. In this representation, the fields that may be modified are highlighted.

Figure 2-4
PAQS100 Database Administration screen – menu item ADMIN

```
                    P A Q S 1 0 0    DATABASE ADMINISTRATION

JOBNAME: TESTER             JOBTYPE: HOST             QSISSUE: 414

OPTION: 0  BASE: 0  DESC:
DATE LAST PROVISIONED: N/A                        RELEASE:  414.0

MASK:               DESC: N/A
STATUS: OFF,
APPLIED: N/A
LOCK ISSUE: 0       DESC: N/A
APPLIED: N/A


AUTOSAVE: 10

                            MESSAGES DESTINATION

CRITICAL  SEVERE    ERROR     WARNING   INFORM    PROVISION   REPORT
TERM ON       ON        ON        ON        ON       ON       ON
PRNT OFF      OFF       OFF       OFF       OFF      OFF      OFF
FILE TRSTER   TRSTER    TRSTER    TRSTER    NONE     P$STER   NONE




1=HELP     3=QUIT     4=TOP     5=BOTTOM     6=EXPAND    7=UP      8=DOWN
```

This screen permits setting options, adding descriptions, or querying job status. The destination of system messages displayed on the terminal during an NT-ACCESS session is set from this screen to print to a printer or to a file.

PAQS100 Database Administration screen fields

The PAQS100 Database Administration screen fields are defined as follows:

- JOBNAME
  - — displays the name of the current job
- JOBTYPE
  - — displays the type of job, for example, host, remote, DNC or NAV
- QSISSUE
  - — displays the release number of the questionnaire, for example, 414.0
- OPTION
  - — allows the option that is in effect to be altered
    - – Default is 0.

  - An option is used to create a base configuration and then establish a series of alternatives.
  - Range is from 0 through 99; however, management of more than five options is cumbersome.
  - Refer to "How to use the option feature" on page 2-16 in this chapter for more information.

- OPTION BASE
  - allows the base option of the current job to be altered
- OPTION DESC
  - describes the current job, with the field containing up to 50 characters
    - A description is added by pressing <ENTER> or by pressing <PF6>, Expand, and entering descriptions in the option description fields of the option table. The option table is illustrated in Figure 2-5.
- DATE LAST PROVISIONED
  - displays the date and time of the last provisioning run
- MASK
  - displays the name of the current mask applied to the job
- MASK DESC
  - displays the description of the mask
  - fills in the field (up to 50 characters), providing a description of the mask
- STATUS
  - sets and displays the mask status as on or off
    - > **ON** implies the mask is turned on; only questions specified in the mask are displayed.
    - > **OFF** implies the mask is off; all questions in the questionnaire are displayed.

  Note: This field may be set to > **OFF** if a mask was applied to the job.
- MASK APPLIED
  - displays the date and time a mask was applied
- LOCK ISSUE
  - displays the number of times the job was locked

- LOCK ISSUE DESC
  - displays a description of up to 50 characters of the locked issue
- LOCK ISSUE APPLIED
  - displays the date and time the job was locked
- AUTOSAVE
  - determines the number of alterations that are made before an automatic save is performed by the system
    - Range is 0 through 99 with the system default set to ten.
    - Autosave activates save in the equipment list (FSEQ) as well as in the questionnaire (FSIQ).
    - Autosave is also applied from the command line in PAQS using the format > **SET AUTOSAVE nn**, where nn is the pre-selected number of changes before save is applied.
- CRITICAL, SEVERE, ERROR, WARNING, INFORM, PROVISION, REPORT
  - indicates the type of message, for example, provisioning or warning
- TERM
  - indicates whether or not the messages are displayed on the terminal
- PRNT
  - sends the various types of messages to the printer
  - set to > **ON** or > **OFF**
- FILE
  - defines file name where messages may be sent
    - type in a file name of up to eight characters

PAQS100 Database Administration screen PF keys

The PAQS100 Database Administration screen PF keys are defined as follows:

- PF1 = HELP
  - invokes the online help facility
- PF3 = QUIT
  - exits Database Administration and returns to the PAQS100 main menu screen
- PF4 = TOP
  - moves to the top of the expanded description list

- PF5 = BOTTOM
  - — moves to the bottom of the expanded description list
- PF6 = EXPAND
  - — presents a table that displays additional information about the job when the cursor is placed on the OPTION field and <PF6> is pressed
  - — shows the status of the base job and options against the base job, for example, whether the option is provisioned, whether the questionnaire is answered, and whether PAQS produced an equipment list for the job
  - — presents a historical listing and description of previous masks applied to the questionnaire when the cursor is placed on the MASK field and <PF6> is pressed
  - — presents a historical listing and description of previous locks applied to the questionnaire when the cursor is placed on the LOCK ISSUE field and <PF6> is pressed
- PF7 = UP
  - — scrolls backward one page in the expanded description list
- PF8 = DOWN
  - — scrolls forward one page in the expanded description list

Option table

If the cursor is placed on the option field of the PAQS100 Database Administration screen and <PF6>, EXPAND, is pressed, the table illustrated in Figure 2-5 is presented.

Figure 2-5
PAQS100 Database Administration screen – <PF6>, EXPAND

```
                P A Q S 1 0 0    DATABASE ADMINISTRATION

JOBNAME: TESTER              JOBTYPE: HOST               QSISSUE: 414

OPTION: 0  BASE: 0  DESC:
DATE LAST PROVISIONED: N/A                        RELEASE:  414.0

MASK:              DESC: N/A
STATUS: OFF
APPLIED:N/A
LOCK ISSUE: 0       DESC: N/A
APPLIED: N/A

+-------------------------------------------------------------------+
| OPT BASE CALC ANSW EQPT           OPTION DESCRIPTION              |
+-------------------------------------------------------------------+
|  0   0    YES  YES  YES
|  1   0    NO   NO   NO
|  2   0    NO   NO   NO
|  3   0    NO   NO   NO
|  4   0    NO   NO   NO
|  5   0    NO   NO   NO
|  6   0    NO   NO   NO
|  7   0    NO   NO   NO
|  8   0    NO   NO   NO
|  9   0    NO   NO   NO
|  10  0    NO   NO   NO
|  11  0    NO   NO   NO
|  12  0    NO   NO   NO
|  13  0    NO   NO   NO
|  14  0    NO   NO   NO
|  15  0    NO   NO   NO
|  16  0    NO   NO   NO
|  17  0    NO   NO   NO
|  18  0    NO   NO   NO
|  19  0    NO   NO   NO

1=HELP    3=QUIT    4=TOP    5=BOTTOM    6=EXPAND    7=UP     8=DOWN
```

In this table, descriptions can also be added in the OPTION DESCRIPTION field.

The option field in Figure 2-5 indicates that no options are applied to this job (OPT is 0), and the base questionnaire is answered (ANSW is YES). Provisioning was run (CALC is YES), and equipment was provided (EQPT is YES).

After options are defined in the PAQS100 Database Administration screen, the option table displays the option (OPT), associated base information, and the status of the option as illustrated in Figure 2-6.

Figure 2-6
PAQS100 Database Administration screen – option display

```
                P A Q S 1 0 0    DATABASE ADMINISTRATION

JOBNAME: TESTER              JOBTYPE: HOST               QSISSUE: 414

OPTION: 1  BASE: 0  DESC: WITH 1 RSC 2000L
DATE LAST PROVISIONED: JULY 28, 2003                  RELEASE:  414.0

MASK: PLHOST        DESC:
 STATUS: OFF
 APPLIED: JULY 28, 2003
LOCK ISSUE: 0       DESC: N/A
 APPLIED: N/A

+-------------------------------------------------------------------
| OPT BASE CALC ANSW EQPT                 OPTION DESCRIPTION
+-------------------------------------------------------------------
|  0   0    YES  YES  YES                 BASE CONFIGURATION
|  1   0    NO   YES  NO                  WITH 1 RSC 2000L
|  2   1    NO   YES  NO                  INTEGRATED SLC-96
|  3   2    NO   NO   NO                  SS7
|  4   3    NO   NO   NO                  ISDN
|  5   0    NO   NO   NO
|  6   0    NO   NO   NO
|  7   0    NO   NO   NO
|  8   0    NO   NO   NO
|  9   0    NO   NO   NO
|  10  0    NO   NO   NO
|  11  0    NO   NO   NO
|  12  0    NO   NO   NO
|  13  0    NO   NO   NO
|  14  0    NO   NO   NO
|  15  0    NO   NO   NO
|  16  0    NO   NO   NO
|  17  0    NO   NO   NO
|  18  0    NO   NO   NO
|  19  0    NO   NO   NO

1=HELP    3=QUIT    4=TOP    5=BOTTOM    6=EXPAND    7=UP     8=DOWN
```

In this example, the questionnaire was answered for options 1 and 2; however, provisioning was not run. Options 3 and 4 were identified, but no questions were changed or answered. This example also identifies each option as building on top of the previous one, for example, a logical extension sequence. The system allows an option to be associated with any base in the same job.

How to use the option feature

The option feature is very useful for quickly entering change data. Instead of reentering existing questionnaire information for an option, enter the full screen questionnaire, go to the question to be changed, and type in the required option number at the top of the screen. Only the questions associated with the option are changed.

An example of the PAQS100 Questionnaire Input screen when option 1 is selected and Table 1A17 is answered is illustrated in Figure 2-7.

Figure 2-7
PAQS100 Questionnaire Input screen

```
                        PAQS100 QUESTIONNAIRE INPUT

 JOBNAME: TESTER   COEO:          MASK: OFF NAME:   COMPRESS: Y ALT: 0
 OPTION: 1  BASE 0  DESC: WITH 1RSC 2000L
 1A17         REMOTE SITE OVERVIEW
 +-------------------------------------------------------------------+
 |ROW|REF|TYPE .|SITE         .|PROP.|EXIST|MS/L|RATE|RMT|2-WAY   |
 +-------------------------------------------------------------------+
   1      RSC
   2
 ..3
 ..4
   5
   6
   7
   8
   9
   10
 ..11

 ==>
 1=HELP 2=? 3=QUIT 4=NOTE 5=DONE 6=DUP 7=UP 8=DWN 9=DEL 10=L/R 11=TAB_DEL 12=PT
```

Note: OPTION, BASE, and DESC information at the top of the screen identify that option 1 is selected with a base of 0 with 1 RSC 2000L.

Data entries for option 2 are done while still in the questionnaire by setting the option on the screen to 2 and pressing <RETURN>. Answering Table 1A17 provides data associated with this option, as illustrated in Figure 2-8.

Figure 2-8
PAQS100 Questionnaire Input screen – Table 1A17

```
                          PAQS100 QUESTIONNAIRE INPUT

JOBNAME: TESTER   COEO:          MASK: OFF NAME:   COMPRESS: Y ALT: 0
OPTION: 2  BASE 1  DESC: INTEGRATED SLC-96
1A17         REMOTE SITE OVERVIEW
+-------------------------------------------------------------------+
|ROW|REF|TYPE .|SITE         .|PROP.|EXIST|MS/L|RATE|RMT|2-WAY   |
+-------------------------------------------------------------------+
  1      SITE1
  2      SITE2
..3
..4
  5
  6
  7
  8
  9
  10
..11

==>
1=HELP 2=? 3=QUIT 4=NOTE 5=DONE 6=DUP 7=UP 8=DWN 9=DEL 10=L/R 11=TAB_DEL 12=PT
```

The ability to toggle between options in the questionnaire provides fast option functionality in the system.

How to provision options

Options are provisioned individually or all together. Selecting menu item PROVISION from the PAQS100 main menu provisions the base or option the user is in when invoking provisioning. To provision the base and all options, enter > **PROVISION ALL** on the command line. Each option is provisioned in sequence, and provisioning rules are applied to the entire questionnaire, not just the changed questions.

Interactive Provisioning is generally much faster than provisioning all options simultaneously. If individual options are to be provisioned, select menu item INT. PROV. from the PAQS100 main menu. Indicate the option to be provisioned by entering the option number in the option field or by typing > **SET OPTION** <**option number**> on the command line.

The Interactive Provisioning screen illustrated in Figure 2-9 indicates that Interactive Provisioning was accessed for option 1.

Figure 2-9
PAQS100 Interactive Provisioning screen

```
                    PAQS100 INTERACTIVE PROVISIONING

Jobname: TESTER   Jobtype: HOST   Issue: 414 Status: READY   Mode: ALL
Option: 1  Base: 0 ,Desc: WITH 1 RSC 200K                        Msgs: Y
+---+--------+--------+-----------------------------------------------
|Run| Status |  Name  |               Module Name                    |
+---+--------+--------+-----------------------------------------------

  N             OO      OFFICE OVERVIEW
  N             LT      LINES & TRUNKS
  N             CO      CONTROLLERS
  N             IO      INPUT OUTPUT
  N             MM      MAINTENANCE TESTING
  N             NM      NETWORK
  N             SW      SOFTWARE
  N             CC      CORE
  N             OM      OAM&P
  N             BD      BOUGHT DIRECT
  N             PH      PHYSICAL



1= Help    2= Ready   3= Quit     4= Top       5= Bottom    6= Expand
7 =Up      8= Down    9= Import  10= Export   11= IQ       12= Run
```

Note: If a calculation is pending on the base, then subsequent options are not provisioned.

A review of the option table reveals that options 1 and 2 were provisioned as illustrated in Figure 2-10.

Figure 2-10
PAQS100 Database Administration screen – option table review

```
                P A Q S 1 0 0    DATABASE ADMINISTRATION

JOBNAME: TESTER              JOBTYPE: HOST               QSISSUE: 414

OPTION: 1  BASE: 0  DESC:WITH 1 RSC 2000L
DATE LAST PROVISIONED: JULY 28, 2003                  RELEASE:  414.0

MASK: PLHOST        DESC:
 STATUS: OFF
 APPLIED: JULY 28, 2003
LOCK ISSUE: 0       DESC: N/A
 APPLIED: N/A

+-------------------------------------------------------------------+
| OPT BASE CALC ANSW EQPT                OPTION DESCRIPTION         |
+-------------------------------------------------------------------+
|  0   0    YES  YES  YES                BASE CONFIGURATION
|  1   0    YES  YES  YES                WITH 1 RSC 2000L
|  2   1    YES  YES  YES                INTEGRATED SLC-96
|  3   2    NO   NO   NO                 SS7
|  4   3    NO   NO   NO                 ISDN
|  5   0    NO   NO   NO
|  6   0    NO   NO   NO
|  7   0    NO   NO   NO
|  8   0    NO   NO   NO
|  9   0    NO   NO   NO
|  10  0    NO   NO   NO
|  11  0    NO   NO   NO
|  12  0    NO   NO   NO
|  13  0    NO   NO   NO
|  14  0    NO   NO   NO
|  15  0    NO   NO   NO
|  16  0    NO   NO   NO
|  17  0    NO   NO   NO
|  18  0    NO   NO   NO
|  19  0    NO   NO   NO

1=HELP    3=QUIT    4=TOP    5=BOTTOM    6=EXPAND    7=UP     8=DOWN
```

How to merge options

Merging options allows the base data to be overlaid with desired option data. It deletes equipment and variable data for all the other options, leaving questionnaire answers only. To obtain equipment and variable data for the remaining options, re-provision all of the options. For example, the command > **MERGE OPTION 1** merges option 1 into the base option, resulting in a composite job file. Equipment and variable data is deleted for subsequent based options.

The system responds to the merge command by verifying that merged options are deleted. The status of subsequent option changes and a prompt to proceed are displayed as illustrated below:

```
Merging option 1 into base option 0
Option 1 will be deleted after the merge
Equipment and Calc variables will be deleted for subsequent
based options 1, 2
Do you wish to proceed? Enter (Y/N):
> Y
Option 1 has been merged to base option 0
```

A review of the option table verifies the merge of option 1, as illustrated in Figure 2-11.

Figure 2-11
PAQS100 Database Administration screen – verify option merge

```
                    P A Q S 1 0 0    DATABASE ADMINISTRATION

JOBNAME: TESTER              JOBTYPE: HOST              QSISSUE: 414

OPTION: 1  BASE: 0  DESC:WITH 1 RSC 2000L
DATE LAST PROVISIONED: JULY 28, 2003                  RELEASE:  414.0

MASK: PLHOST        DESC:
 STATUS: OFF
 APPLIED: JULY 28, 2003
LOCK ISSUE: 0       DESC: N/A
 APPLIED: N/A

+-------------------------------------------------------------------
| OPT BASE CALC ANSW EQPT                OPTION DESCRIPTION
+-------------------------------------------------------------------
|  0   0    YES  YES  YES                BASE CONFIGURATION
|  1   0    NO   NO   NO                 WITH 1 RSC 2000L
|  2   0    NO   YES  NO                 INTEGRATED SLC-96
|  3   2    NO   NO   NO                 SS7
|  4   3    NO   NO   NO                 ISDN
|  5   0    NO   NO   NO
|  6   0    NO   NO   NO
|  7   0    NO   NO   NO
|  8   0    NO   NO   NO
|  9   0    NO   NO   NO
|  10  0    NO   NO   NO
|  11  0    NO   NO   NO
|  12  0    NO   NO   NO
|  13  0    NO   NO   NO
|  14  0    NO   NO   NO
|  15  0    NO   NO   NO
|  16  0    NO   NO   NO
|  17  0    NO   NO   NO
|  18  0    NO   NO   NO
|  19  0    NO   NO   NO

1=HELP    3=QUIT    4=TOP    5=BOTTOM    6=EXPAND    7=UP     8=DOWN
```

In the previous example, the answers to the questions in option 1 are now found in base option 0.

Note: A calculation is now pending on option 2 (CALC is NO) since its base option has changed from base 1 to base 0.

How to delete options

The > **DELETE** command allows the deletion of one option at a time from the database. Questionnaire data is deleted along with equipment and level B calculations, or equipment and level B calculations only are deleted. If the answers to the questionnaire are left intact, the equipment is regenerated for the option by simply rerunning provisioning.

Examples of the delete commands are illustrated below:

- **> DELETE OPT 1**
  - — deletes the equipment and level B quantities for option 1
- **> DELETE OPT 2 Q**
  - — deletes the equipment, the level B quantities, and the questionnaire answers for option 2

The system responds to the delete command (for example, > **DELETE OPT 2 Q**) as shown below:

```
Deleting the following option(s). (Answers + Level B +
Equipment)
2
Do you wish to proceed? Enter (Y/N)
:
Y
DELETE command terminated normally
```

The option table now shows option 2 as deleted. If the questionnaire is reviewed, the answers associated with option 2 are deleted as illustrated in Figure 2-12.

Figure 2-12
PAQS100 Database Administration screen – verify deleted option

```
                P A Q S 1 0 0    DATABASE ADMINISTRATION

JOBNAME: TESTER              JOBTYPE: HOST            QSISSUE: 414

OPTION: 1  BASE: 0  DESC:WITH 1 RSC 2000L
DATE LAST PROVISIONED: JULY 28, 2003                  RELEASE:  414.0

MASK: PLHOST        DESC:
 STATUS: OFF
 APPLIED: JULY 28, 2003
LOCK ISSUE: 0       DESC: N/A
 APPLIED: N/A

+-------------------------------------------------------------------+
| OPT BASE CALC ANSW EQPT                OPTION DESCRIPTION         |
+-------------------------------------------------------------------+
|  0   0    YES  YES  YES                BASE CONFIGURATION
|  1   0    NO   NO   NO
|  2   0    NO   NO.  NO
|  3   2    NO   NO   NO
|  4   3    NO   NO   NO
|  5   0    NO   NO   NO
|  6   0    NO   NO   NO
|  7   0    NO   NO   NO
|  8   0    NO   NO   NO
|  9   0    NO   NO   NO
|  10  0    NO   NO   NO
|  11  0    NO   NO   NO
|  12  0    NO   NO   NO
|  13  0    NO   NO   NO
|  14  0    NO   NO   NO
|  15  0    NO   NO   NO
|  16  0    NO   NO   NO
|  17  0    NO   NO   NO
|  18  0    NO   NO   NO
|  19  0    NO   NO   NO

1=HELP    3=QUIT    4=TOP    5=BOTTOM    6=EXPAND    7=UP    8=DOWN
```

How to create option reports

Desired option reports are specified in the report menu, creating reports for any or all configurations. Reports for options are provided with delta quantities only. Refer to “How to generate reports” on page 2-79 for more information.

How to apply a mask

This section refers only to the application of masks. For instructions detailing the creation of masks, refer to Chapter 4, “Job Masking System,” of this manual.

For NT-ACCESS to provision and price a DMS-100 Family office, the requirements must first be defined. Each question in the NT8630 questionnaire must be answered by keyboard entry or the NT-ACCESS feature called masking.

Application of a mask is the key to answering the NT-ACCESS questionnaire. When used properly, a mask provides a tailored, job-specific questionnaire. The level of detail contained in the resulting job depends on operating company willingness to standardize and on the quality of mask files maintained. Mask files are jointly maintained by the operating company and Nortel Networks coordinators.

Prior to applying a mask, an understanding of the rules and concepts of masking is required. The mask defines the default for any question in the questionnaire. The Nortel Networks and operating company coordinators jointly maintain a master control file that contains the predefined defaults and display criteria. From this master control file, individuals create and apply their own job-specific masks with predefined standard answers. The predefined standard answers are either user-defined or system default values.

A mask file defines whether or not a question is displayed during the creation of a job. In either case, questions are automatically answered using predefined standards. The difference is that non-displayed questions are not presented on the screen during the job session. To change a predefined answer to a non-displayed question, turn the mask off.

Both displayed and non-displayed questions and answers can appear on reports for worksheet and record purposes. To print non-displayed questions on reports, the mask must be turned off and the question answered. The Blank Questionnaire prints the complete questionnaire.

The mask defines questionnaire segmentation by functional group. The functional group to question association is defined by the operating company coordinator and maintained in the master control file. Individuals select the desired functional group when creating a custom mask.

The system currently supports the following functional groups:

- P
  - — Planning provides the questions required for planning; predefined defaults limit the number of questions.
- E
  - — Engineering provides the questions relating to equipment engineering.
- T
  - — Traffic provides the questions relating to network design.
- ET
  - — Engineering and traffic provide the questions required for CI.
- *
  - — Asterisk displays new questions for this release.

Once the questionnaire is masked, the appropriate functional group notation (P, T, E, ET, or *) appears in the note column associated with each question.

Generating and applying a custom mask creates a tailored questionnaire. Custom masking is a quick and simple process that provides a tailored questionnaire based on job function, the type office to be provisioned, and the desired feature content of the office. *See* Chapter 4, “Job Masking System,” for more information.

Custom masks are job specific and are created on the individual userID account. Once applied, the custom mask may be deleted from the userID or stored in long-term storage without affecting the job. A history file of applied masks, including descriptive information, is maintained with the job for future reference.

Every question in the questionnaire has a view flag that can be set on or off, depending on the flag that is set in the mask. Before applying a mask to an extension job, the > **SET VIEW OFF** command can be used to turn off all existing questions in option 0. A mask can then be applied. Only the questions with the display flag turned on are viewed. This command only affects option 0.

Multiple masks can also be applied to the same job. For example, the initial job did not include Integrated Services Digital Network (ISDN). To add ISDN, generate a custom mask containing only the category ISDN. Apply the ISDN mask and the previously unaddressed questions are answered with mask defaults. How the subsequent masks are to be applied to a previously answered questionnaire is defined by keyboard entry in the CHANGE field. This field is presented when selecting menu item MASK from the PAQS100 main menu. The recommended setting for the change field is > N. This choice eliminates the risk that previously answered questions are overwritten. Detail on the change option and its capabilities are defined as follows:

- If change is N (N is system default)
  - — Previously answered questions are unchanged. This choice preserves the answers to questions previously answered before applying a mask. For example, all the Ship To Address questions are answered in the initial questionnaire and do not require modification when a custom mask is applied to the job to answer other questions.
- If change is Y
  - — All questions assume the latest mask default values. Exercise caution when using this option as previously masked or answered questions are overwritten.

Once a mask is applied, it is maintained with the job. Because multiple masks may exist on a single job, the system provides an online history file of all applied masks. To view the file, select menu item ADMIN from the PAQS100 main menu . The PAQS100 Database Administration screen is presented.. With the cursor positioned on the field mask status, press <PF6>. The name, date and time of application, and description are displayed for all applied masks. With custom masking, the description lists the name of the master control file, the functional group, and the categories used.

Note: Proper operation of this capability depends on the availability of master control files containing the predefined defaults, display criteria, and functional group information. These data files are jointly produced and maintained by the NTI and operating company coordinators. From this database of information, job specific masks are created and applied using the process defined in the previous paragraphs.

Masking job naming standards

Mask names are associated with specific userID accounts. All mask names must adhere to the following naming standards to appear on specific userIDs.

1 Mask names contain a maximum of eight characters.

2 For a mask to be associated with a specific userID, it must contain three unique characters from the userID itself (characters four – six). All customer accounts begin with ZZC and are followed by three alpha characters that represent an operating company or operating company holding company abbreviation (for example, zzcohb01 is Ohio Bell). This three letter abbreviation must be contained in the first three characters of the mask name when creating job masks. For example, the mask name IBTHOST is associated with userID group zzcibt—.

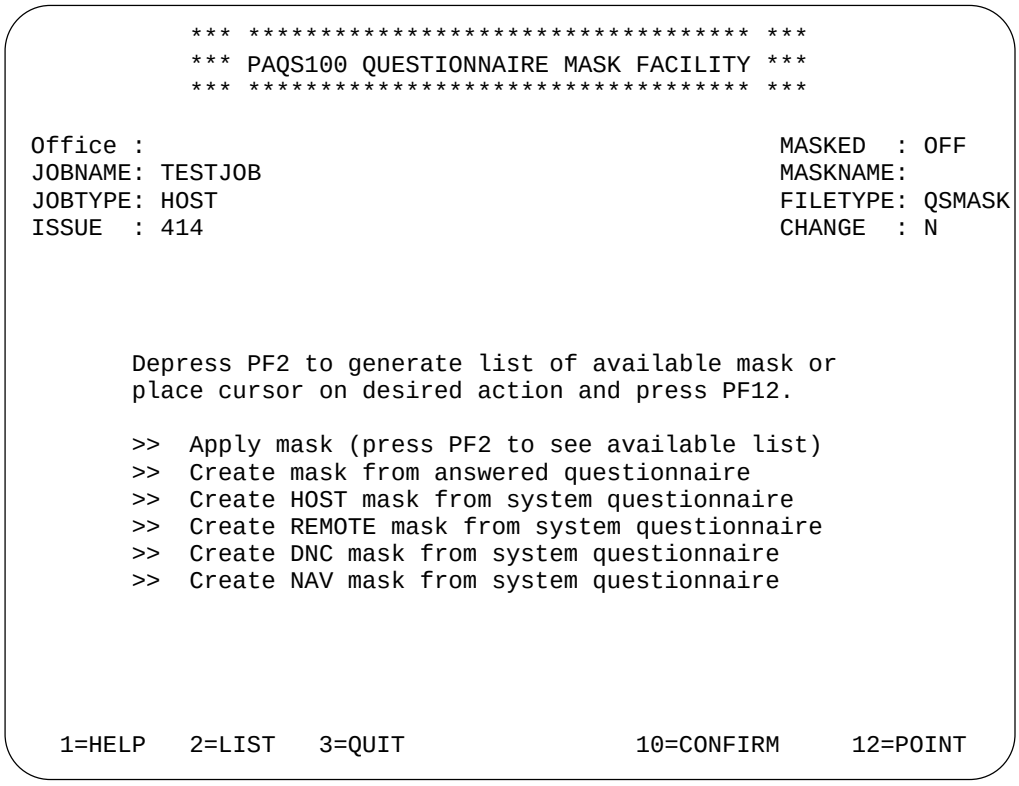
3 A userID mask is also associated with the holding company. When a mask contains the holding company code, the mask is also associated with the individual operating company. For example, Ameritech is abbreviated as AMT. A mask that is named AMTTOPS would then be shown on userIDs for Illinois Bell, Ohio Bell, Michigan Bell, Wisconsin Bell, and Indiana Bell even though the userIDs reflect the operating company characters (for example, zzcilb—).

4 The mask naming rules apply only to masks established by the Nortel Networks regional NT-ACCESS coordinators. Customer created masks (custom masks) residing on specific userID accounts (A-disk) appear in the list regardless of the name.

5 Generic masks no longer appear on the userID individual list. These masks, however, are applied by entering the mask name when prompted. If these generic masks need to be provided to a particular group list, then the masks are copied and renamed in accordance with the rules stated in items 1 and 2 above.

Select menu item MASK from the PAQS100 main menu. The PAQS100 Questionnaire Mask Facility screen illustrated in Figure 2-13 is presented.

Figure 2-13
PAQS100 Questionnaire Mask Facility screen



PAQS100 Questionnaire Mask Facility screen fields

The PAQS100 Questionnaire Mask Facility screen fields are defined as follows:

- OFFICE
  - — displays the name of the office
- JOBNAME
  - — displays the name of the current job
- JOBTYPE
  - — displays the job type, for example, host, remote, DNC or NAV
- RELEASE
  - — displays the release number of the questionnaire, for example, 414.0
- MASKED
  - — displays the status of the questionnaire mask
    - – > **ON** indicates that the questionnaire is masked and is set to > **ON**.

  - > OFF indicates that the mask is set to > **OFF** and all questions are displayed.

- MASKNAME
  - displays the name of the mask, if one was applied
- FILETYPE
  - determines the filetype of the mask file
    - always set to QSMASK
- CHANGE
  - determines how a mask is applied
    - Recommended setting is > **N**.
    - If change is N, previously answered questions are unchanged; the answers to questions previously answered are preserved when applying a mask.
    - If change is Y, all questions assume the latest mask default values.
    - Exercise caution when using this option because previously masked or answered questions are overwritten.
    - Whether change is Y or N, questions that were not previously answered take the value given to them by the mask applied.

PAQS100 Questionnaire Mask Facility screen menu items

Methods for using the PAQS100 Questionnaire Mask Facility screen menu items are detailed below:

- Apply mask:
  - Press the <PF2> key to generate a list of available masks. Place the cursor over the desired mask and press <ENTER>. If the name of the mask to be applied is already known, press <PF12>. A system message prompts for a mask name. Type in the mask name and press <ENTER>.
- Create mask from answered questionnaire:
  - The system prompts for a mask name (up to eight characters). Enter the name, press <ENTER>, and the Questionnaire Mask is created. This mask is not required by the general user.
- Create HOST mask from system questionnaire:
  - The system prompts for a mask name (up to eight characters). A mask is generated for a host office system with system defaults as question answers, for example, host skeleton (not required by the general user).

- Create REMOTE mask from system questionnaire:
  - The system prompts for a mask name (up to eight characters). A mask is generated for a remote office system with system defaults as question answers, for example, remote skeleton (not required by the general user).
- Create DNC mask from system questionnaire:
  - The system prompts for a mask name (up to eight characters). A mask is generated for a DNC office system with system defaults as question answers, for example, DNC skeleton (not required by the general user).
- Create NAV mask from system questionnaire:
  - The system prompts for a mask name (up to eight characters). A mask is generated for a NAV office system with system defaults as question answers, for example, NAV skeleton (not required by the general user.

PAQS100 Questionnaire Mask Facility screen PF keys

The PAQS100 Questionnaire Mask Facility screen PF keys are defined as follows:

- PF1 = HELP
  - invokes the online help facility
- PF2 = LIST
  - generates a listing of all available masks
  - To apply a mask from the list, position the cursor on the mask name and press <ENTER>.
- PF3 = QUIT
  - exits from this screen and returns to the main menu
- PF10 = CONFIRM
  - verifies the mask application if a mask was previously applied
    - Use when applying an additional mask to a job.
    - Check the status of the change flag before confirming.
- PF12 = POINT
  - applies a mask if the name is known
    - Press <PF12>, a system message prompts for a mask name.
    - Type the mask name and press <ENTER>.

EDITQS – input/edit questionnaire data

The completed questionnaire contains all the information necessary to define and engineer a DMS-100 Family switch. It is worded in common telephony terms. Prior knowledge of DMS-100 Family terminology or architecture, although helpful, is not required for the initial capture of information. The questionnaire is divided into sections that are grouped according to subject and, where possible, default values are provided for questions. These defaults are Nortel Networks recommendations, based on common market requirements.

There are two types of questions in the questionnaire – regular and tabular. A regular question asks for a value or answer. Tabular questions are in the form of tables, and the entire row of a table can be answered with one line entry.

There are four different questionnaires – host, remote, DNC and NAV. The references in this document are to the host questionnaire and may be applied to the others as well.

Remember that the option of applying a mask to reduce the number of questions that must be answered is available. Apply the mask before answering the questionnaire.

How to answer the questionnaire

Select menu item EDITQS from the PAQS100 main menu. The PAQS100 Questionnaire Input screen illustrated in Figure 2-14 is presented.

Figure 2-14
PAQS100 Questionnaire Input screen – using EDITQS

```
                          PAQS100 QUESTIONNAIRE INPUT

JOBNAME: TEST     COEO: H99999    MASK: OFF NAME: NONE     COMPRESS: Y ALT:0
OPTION: 0  BASE 0   DESC:
+-------------------------------------------------------------------------------+
|QUESTION ID |              QUESTION TEXT                  | PROPOSED   |NOT|M|
+-------------------------------------------------------------------------------+
 1A           OFFICE OVERVIEW
 1A1          OFFICE PARAMETERS
 1A1.1        Is  this  an  initial or extension DMS ...... INI
              equipment order?
 1A1.1.1      Is this order a software only extension? .... N
 1A1.1.2      For RSC/RSCS to DMS-100 Conversions, enter .. 36
              the BCS level of the Host office presently
              serving the RSC/RSCS to be converted.
 1A1.1.3      Indicate if this is a BOC or IOC order. ..... BOC
 1A1.1.4      For Conversions to DMS-100 enter existing ... NA
              Office type.
 1A1.1.5      Is an NT building planning site visit reqd? . NR
              NR indicates no response to this question.
 1A1.1.5.1    Are any Field Engineering activities ........ Y
              required for this order?
 1A1.1.6      Has a floor plan been done? .................
 1A1.1.7      What is the floor plan Reference Number? ....
 1A1.1.8      For a GTE hardware order, state whether job . MODERN
              is for GROWTH or MODERNization.
 1A1.1.9      If this is a GTE hardware order, is this job  N
              a Series 1 to Series 2 replacement?
 1A1.2        If extension, enter extension number. .......
              (ie. E-1)
 1A1.3        Specify  the  country  in  which  the ....... US
              switch will operate.
 1A1.4        Specify the DMS office type or non-DMS ...... L
              product type.
              Note: If this is a Succession Office,
              specify the base DMS office type
              here, and answer 1A1.4.1.1 "Y".
 1A1.4.1      For  Local,  Toll or Local/Toll office ......
              configurations,specify the office class.
 1A1.4.1.1    Is this a Succession Office (SDD)? .......... N

==>
1=HELP 2=? 3=QUIT 4=NOTE 5=COM 6=MASK 7=UP 8=DOWN 9=DEL 1=LEFT/RIGHT 12=POINT
```

To answer the questionnaire, perform the following steps:

1 Answer questions in the questionnaire by confirming or typing over the information in the proposed fields.

2 Press <ENTER> to save new answers.

3 Press <PF3> to exit the questionnaire and save the changes.

Note: To save changes during the job session, enter > **SAVE** on the command line and press <ENTER>. (Refer to Chapter 15, “Advanced Commands,” for more information.)

PAQS100 Questionnaire Input screen fields

The PAQS100 Questionnaire Input screen fields are defined as follows:

- JOBNAME
  - displays the name of the current job
- COEO
  - displays the job estimate number (same as the answer to question 1A5.1)
- MASK
  - displays the status of the questionnaire mask
    - > **ON** indicates that a mask was applied to the questionnaire; question answers masked into the job are viewable (exception: questions flagged as non-viewable do not appear).
    - > **OFF** indicates that a mask was turned off; all questions are viewable.
    - Default is > **ON**.
    - The mask can also be turned off or on using the <PF6> key.
- NAME
  - displays the name of overlay mask used in Interactive Provisioning
- COMPRESS
  - displays questions on the screen without showing extended text, defaults, or answer ranges when set to > **Y**
  - displays questions with extended text, including defaults and question answer ranges when set to > **N**
    - > **Y** is the system default.
    - Use the <PF5> key to set to > **Y** or > **N**.
- ALT
  - displays the number of modifications since the last > **SAVE** was executed
- OPTION
  - sets the current option and captures modified questions

- BASE
  - — sets the base for the current option with a number less than the option number
- DESC
  - — describes the option in the option field
- QUESTION ID
  - — identifies the question number
- QUESTION TEXT
  - — displays the question text
- PROPOSED
  - — indicates the proposed answer for the question
- NOTE
  - — displays the note number if a number was typed in and can be created without specifying a note number
- = = = = =>
  - — provides a place to type advanced commands (command line)
  - — To advance to a specific question in the questionnaire, type > **GOTO** and the question ID on the command line; for example, > **GOTO 5A1.1** presents question 5A1.1 in the questionnaire

PAQS100 Questionnaire Input screen PF keys

The PAQS100 Questionnaire Input screen PF keys are defined as follows:

- PF1 = HELP
  - — invokes the online help facility
- PF2 = ?
  - — provides additional text for questions. A note will appear if the question affects provisioning.
  - — – Press <PF2> beside the question or field that requires additional text.
- PF3 = QUIT
  - — exits panel and returns to the main menu
- PF4 = NOTE
  - — PF4 creates a note. If the cursor is on an information line when PF4 is pressed, the system presents the NOTEDIT facility where notes or information for the current question can be typed.
- PF5 = COM

— compresses or expands question text (valid for non-table questions only), with Y/N toggle

  – If compress is Y, questions without extended text are displayed on the screen.
  – Press <PF5>, COM, and questions are displayed with extended text including defaults and question answer ranges.
  – Press <PF5> again and questions only are displayed.

- PF5 = DONE

  — exits the table and presents the next question (valid for tables only)

- PF6 = MASK

  — turns the mask on or off (valid for nontable questions only) with on/off toggle

    – If a mask was applied to the questionnaire, only questions answered using a mask are viewable (mask on).
    – Press <PF6>, MASK, and the mask is turned off; all questions are viewable.
    – Press <PF6> again and only questions answered using a mask are viewable.

- PF6 = DUP

  — duplicates the current row (valid for tables only)

- PF7 = UP

  — scrolls backward one screen

- PF8 = DOWN

  — scrolls forward one screen

- PF9 = DEL

  — PF9 deletes the question pointed to by the cursor. If a table is displayed, PF9 deletes the row pointed to by the cursor.

- PF10 = LEFT/RIGHT

  — displays the normal non-tabular question panel

    – If regular questions are displayed, this key is also used to obtain more space when the answer does not fit in the space given.
    – If a table is displayed, this key displays the left-most half of the table.

- PF12 = POINT
  - — PF12 displays the question pointed to by the cursor at the top of the screen. If a table is displayed, PF12 moves the row pointed to by the cursor to the top of the screen.

How to create questionnaire notes

Notes are added to specific questions while answering the questionnaire. Questionnaire notes are created in the job questionnaire. The PAQS100 Questionnaire NOTEDIT screen is illustrated in Figure 2-15.

Figure 2-15
PAQS100 Questionnaire NOTEDIT screen

```
               Q U E S T I O N N A I R E     N O T E D I T

JOBNAME: TEST                 ***  ADD MODE   ***              JOBTYPE: HOST
+------------------+-------------------------------------------------------+
|ID |     XREF     |                          TEXT                         |
+------------------+-------------------------------------------------------+
     1A1.1



1=HELP      2=ADD TEXT     3=QUIT      4=CHANGE ID,REF       5=GET      6=SORT
7=BCKWD     8=FRWD         9=FIND     10=ADD ID,REF,TEXT    11=DEL     12=FILE
```

How to add a note

To add a note, perform the following steps:

1. Press <TAB> to the NOTE column of the desired question of the PAQS100 Questionnaire Input screen. Refer to Figure 2-14.
2. Type the note number in the NOTE column.
3. Press <ENTER>.
4. Press <PF4>.
5. Type the text of the note in the TEXT column at the end of each line and press <ENTER> to continue to the next line.
6. Press <PF12> to file the data.

How to view a note

To view a note, perform the following steps:

1 Place the cursor on the note number.

2 Press <PF4>.

Questionnaire NOTEDIT screen PF keys

The PAQS100 Questionnaire NOTEDIT screen PF keys are defined as follows:

- PF1 = HELP
  - — invokes the online help facility
- PF2 = ADD TEXT
  - — Press <PF2> to enter the insert mode and add new text for an existing note; the existing lines are replaced by typing over the existing text, or <ENTER> is pressed to add new lines.
- PF3 = QUIT
  - — exits from the editing session without saving any changes
- PF4 = CHANGE ID, REF
  - — places a box around the current NOTE ID and XREF and permits changes to the question ID number for a specific note
- PF5 = GET
  - — prompts for a filename to add to the current note file and also allows retrieval of standard notes from another file and applies them
- PF6 = SORT
  - — sorts all the notes by ID
- PF7 = BCKWD
  - — scrolls backward one screen
- PF8 = FRWD
  - — scrolls forward one screen
- PF9 = FIND
  - — requests a note ID and places that note at the top of the screen, if found
- PF10 = ADD ID, REF, TEXT
  - — adds a new note to the file

- PF11 = DEL
  - — erases the entire note if the cursor is on a line containing a note ID
  - — If the cursor is on a text line in a note, that line is erased.
- PF12 = FILE
  - — saves the note and returns to the questionnaire

How to answer Questionnaire Input tables

Some of the questions in the questionnaire are presented in the form of tables like the one illustrated in Figure 2-16.

Figure 2-16
PAQS100 Questionnaire Input table

```
                          PAQS100 QUESTIONNAIRE INPUT

JOBNAME: TEST     COEO: H99999
MASK: OFF NAME: HHEAD414 COMPRESS: Y ALT: 0
OPTION: 0  BASE 0   DESC:
5A10         LINE REQUIREMENTS TABLE
+-------------------------------------------------+
|ROW|TYPE|EQUIPPED|WIRED   .|GROUP   .|MODULE|NOTE|
+-------------------------------------------------+
1     A   5000     5000      POTS
2     B   100      100       POTS
3     Q   50       50        ISDN
4
5
==>
1=HELP 2=? 3=QUIT 4=NOTE 5=DONE 6=DUP 7=UP 8=DWN 9=DEL 10=L/R
11=TAB_DEL 12=PT
```

To add information to a table, use the following methods:

- Use <TAB> to move from column to column.
- For help on a particular column, move the cursor to that column, press <PF2>, and a help window is presented.

  Note: When working in a table, a particular row number is located by using the command > **/2A15:80 or /PEC CODE (NTXA00AC)** where the slash represents GOTO, 2A15 represents the table number, and 80 represents the row. This command is particularly helpful when paging through a large table (for example, Feature Software Table). An alternative command syntax for locate is > **GOTO 2A15:80**.

PAQS100 Questionnaire Input table PF keys

The PAQS100 Questionnaire Input table PF keys are defined as follows:

- PF1 = Help
  - — invokes the online help facility
- PF2 = ?
  - — provides help for the column the cursor is on. A note will appear if the question affects provisioning.
- PF3 = QUIT
  - — exits the questionnaire and returns to the main menu
- PF4 = NOTE
  - — invokes the NOTEDIT facility
- PF5 = DONE
  - — exits the table input mode and presents the next question in the questionnaire

    Note: Do not use <PF3> to exit a table. Only <PF5>, > **GOTO**, or the / (locate symbol) is used to continue answering the questionnaire.
- PF6 = DUP
  - — duplicates the current row
- PF7 = UP
  - — scrolls backward one screen
- PF8 = DWN
  - — scrolls forward one screen
- PF9 = DEL
  - — deletes the current table row
- PF10 = L/R
  - — toggles the display left or right
- PF11 = TAB_DEL
  - — deletes all rows in the table
- PF12 = PT
  - — moves the selected row to the top of the screen

MEMCALC – Memory Calculations

The Memory Calculation (MEMCALC) System is no longer accessible directly from within NT-ACCESS. MEMCALC is a sub module of the Flexible Advanced Capacity Engineering Tool (FACET). Customers should contact their regional coordinator if memory calculations are needed.

How to apply provisioning rules

Provisioning is the process that looks at the questionnaire and calculates equipment quantities based on answers to the questions. Currently there are two methods to provision an office:

- Provision
  - — invokes the equipment calculations for the current job and any associated options
  - — returns to the main menu upon completion of this process
- Interactive Provisioning through IMPROV
  - — allows provisioning the office by individual modules or all at once
  - — permits viewing imports, exports, and even changing answers to questions

Provision is the PAQS equipment calculation function that allows all the system provisioning rules to run. A brief notation of the rules, completion status, and warnings are displayed as the provisioning rules are running. The messages are placed in a file and may be retrieved from the FSREPORT menu. When the display area is filled, a more prompt appears in the bottom right corner of the screen. Press the <CLEAR> key to continue provisioning. The system returns to the main menu when provisioning is complete. The command > HT can be executed to halt the messages on the screen. This command also helps to reduce response time.

How to run provisioning

To run provisioning for the office, perform the following steps:

1 Select menu item PROVISION from the PAQS100 main menu.

2 Press <RETURN>.

The messages illustrated in Figure 2-17 are presented.

Figure 2-17
PAQS100 provisioning messages

```
*INFO* Running provisioning rules for TEST      Option 0
       JUL 29,2003                              09:32:29

*INFO* Running CM:   OFFICE OVERVIEW ...
       Running PSM:  INIT

************************************************************
*WARN* If adding remarketed equipment, question 1A41 must be
       answered Y, and the equipment must be listed in a note
       to flag Pricing and EAE 1005 spec.
************************************************************

************************************************************
** ATTENTION!! ATTENTION!! ATTENTION!! ATTENTION!! ATTENTION!!*
************************************************************
*WARN* QID 1A1.15.1 (If this is not a Nortel Direct order,
       do you require models to be provided?) has not been
       set to "YES".  Please re-enter the questionnaire,
       change the answer to YES, and re-provision the job.


*WARN* Question 13A13.1 must be answered to specify whether
       office will require Half-Tapping or Superimposed DF
       connections.


*INFO* Since 1A1.5.4 has been answered  N , no TOPS equipment
       will be provisioned.


*INFO* Enhanced Network has been provisioned.  Contact your
       NT Representative for detailed information regarding
       peripheral modification for ENET compatibility.
       Upgrades or ENET compatible peripherals (new orders)
       will be provisioned for the following peripheral(s):
       MSB7
       DCM
       DES
       LMC
       DTCI
```

The main menu is presented when provisioning is complete.

Note: Provisioning can be interrupted by typing > **HM** at the command line and pressing <ENTER>.

The provisioning notes are printed or displayed on the terminal by entering the report facility from menu item Generate Reports in the PAQS100 main menu.

IMPROV – Interactive Provisioning

Interactive material provisioning (IMPROV) is an alternative to standard provisioning. It uses the concept of equipment provisioning based on delivery date (D-date) and provides the flexibility to execute and analyze provisioning steps in a modular manner. These optional modular techniques are intended to compliment but not replace the standard input and provisioning procedures employed in earlier releases. IMPROV techniques are the same for host and remote offices. For convenience, only host offices are used to illustrate IMPROV techniques in this chapter.

IMPROV provides new levels of provisioning and engineering flexibility. To gain maximum benefits, familiarity with both the architecture of the DMS-100 product as well as NT-ACCESS is required. The following documentation section is not intended as a comprehensive training and procedures manual but rather as an overview of the basic functionality and potential of IMPROV.

> ***Note:*** Although the use of IMPROV is optional, there are certain new messages for standard provisioning techniques. To avoid confusion, familiarity with the terms defined in the IMPROV terminology section of this document is recommended.

IMPROV terminology

The introduction of IMPROV represents a significant change in the basic rules structure of NT-ACCESS. The rules employed in earlier versions of NT-ACCESS are now expanded in logical groupings. In support of this modular structure new terms are introduced.

- IMPROV
  - — IMPROV is an operating system enhancement introduced in NT-ACCESS Release 217. This optional capability provides the flexibility to provision the DMS equipment in a modular manner.
- GPEC
  - — Generic product engineering codes (GPEC) are produced with IMPROV by the system provisioning rules that are then mapped to the appropriate PEC based on D-date. For example, the system rules calculate the number of line concentrating modules required in the form of a GPEC. This GPEC is mapped to the appropriate vintage hardware PEC codes. The GPEC names have the format CCPP_DDDDDDDDDDD where the following meanings are assigned:
    - CC is the categorization module where the GPEC is generated.

  - PP = is the provisioning step modules (PSM) where the GPEC is produced. This description contains only the first two characters of the PSM.
  - __ is the delimiter.
  - D...DD is 15 descriptive characters. For example, the GPEC NMMO__DSN__MODS is generated in categorization module NM by PSMMOD and is indicative of the number of dual shelf network MODS provided (in this case NMME__DSN__MODS is mapped to PEC NT8X11AD).

- GM
  - Global modules (GM) refer to the full complement of modular provisioning rules for a particular family of DMS products, for example, DMS-100 host.
- CM
  - Categorization modules (CM) contain the structure of provisioning modules in a single GM. They represents modular groupings of major equipment areas, for example, lines and trunks, networks, and software.
- PSM
  - PSMs contain the set of provisioning rules forming one logical step of the provisioning process. For example, software provisioning is divided in two logical steps or PSMs such as feature and master.
  - PSM names have the format JCCPPPPP where the following apply:
    - J is the job type, for example, host or remote.
    - CC is the CM that contains the PSM.
    - PPPPP is the individual PSM identifier. For example, PSM HIOMODEM is for job type H (host), contained in the categorization module IO, and provisions GPECs related to MODEMS.
- MEM
  - Material estimate mapper (MEM) contains the modules responsible for mapping generic PECs to actual equipment quantities based on D-date. MEMs are known by corresponding PSMs.

- PIV

  — Provisioning interim values (PIV) refer to the system calculated values transported between provisioning step modules. PIVs are either output PIVs (those produced in the PSM being viewed) or input PIVs (variables produced in a previous PSM that are required for calculations in the viewed PSM).

  Note: The PIV values are removed if the job is prepared for an extension and the > **PREPARE** command is applied to the job.

- ME

  — Material estimate (ME) refers to a listing of the actual equipment being provided and is expressed at the PEC level.

Messages unique to IMPROV

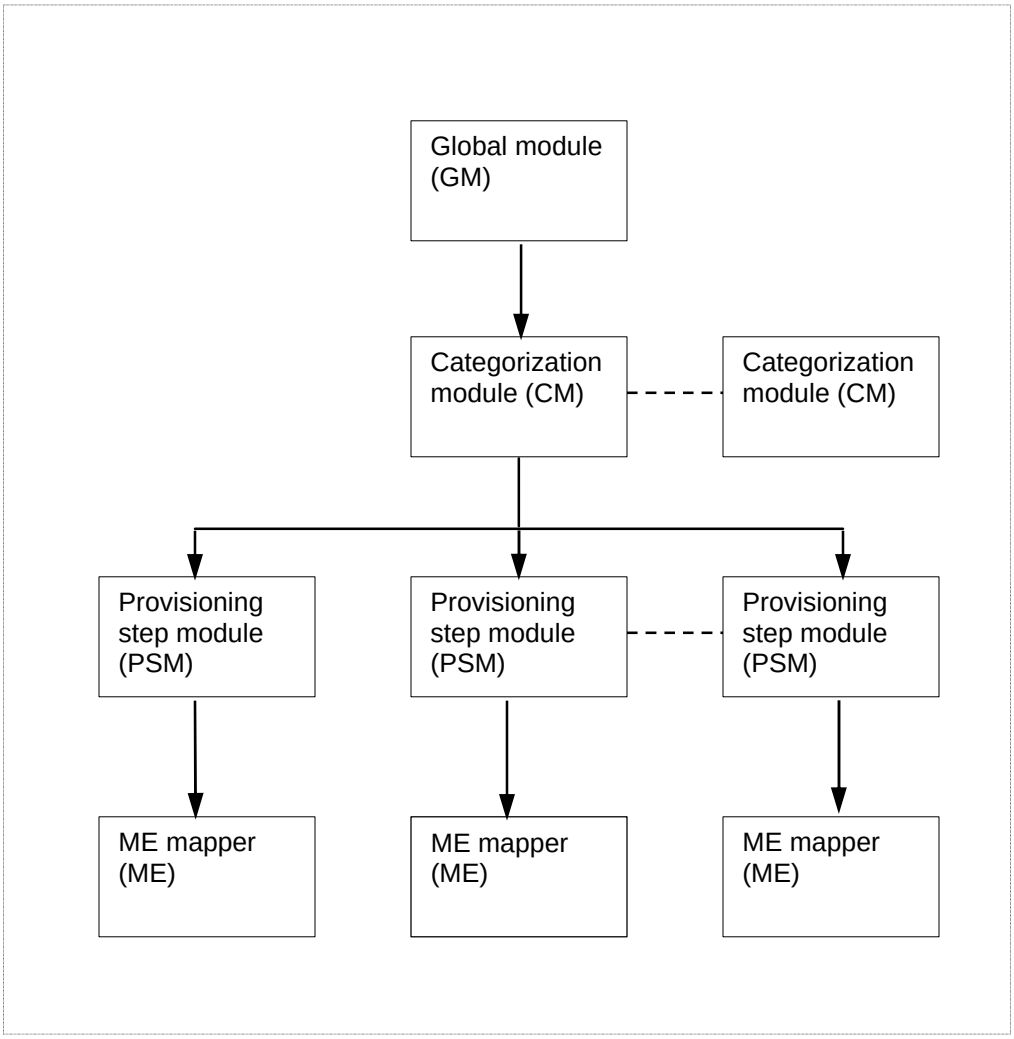
Messages that are seen during the standard provisioning process are outlined below:

- Information messages are issued during the provisioning process to indicate the particular module (CM, PSM, MEM) being executed.
- The system provides a series of information messages for extension jobs to indicate existing values of generic PEC (GPEC) being populated.
- If mapping between a provisioned GPEC and a valid PEC is not found or the PEC cannot be provided by the desired D-date, the system provides a warning message and includes the GPEC in the equipment list. This is provided as an indication that some action is required. The D-date associated with the PEC or the questionnaire input may be changed and the GPEC may be deleted from the equipment list.

IMPROV system structure

In support of the IMPROV functionality, the basic rules structure of NT-ACCESS was simplified. This structure provides the capability to provision and analyze results in a modular manner. The rules are now expanded in logical groupings as illustrated in Figure 2-18.

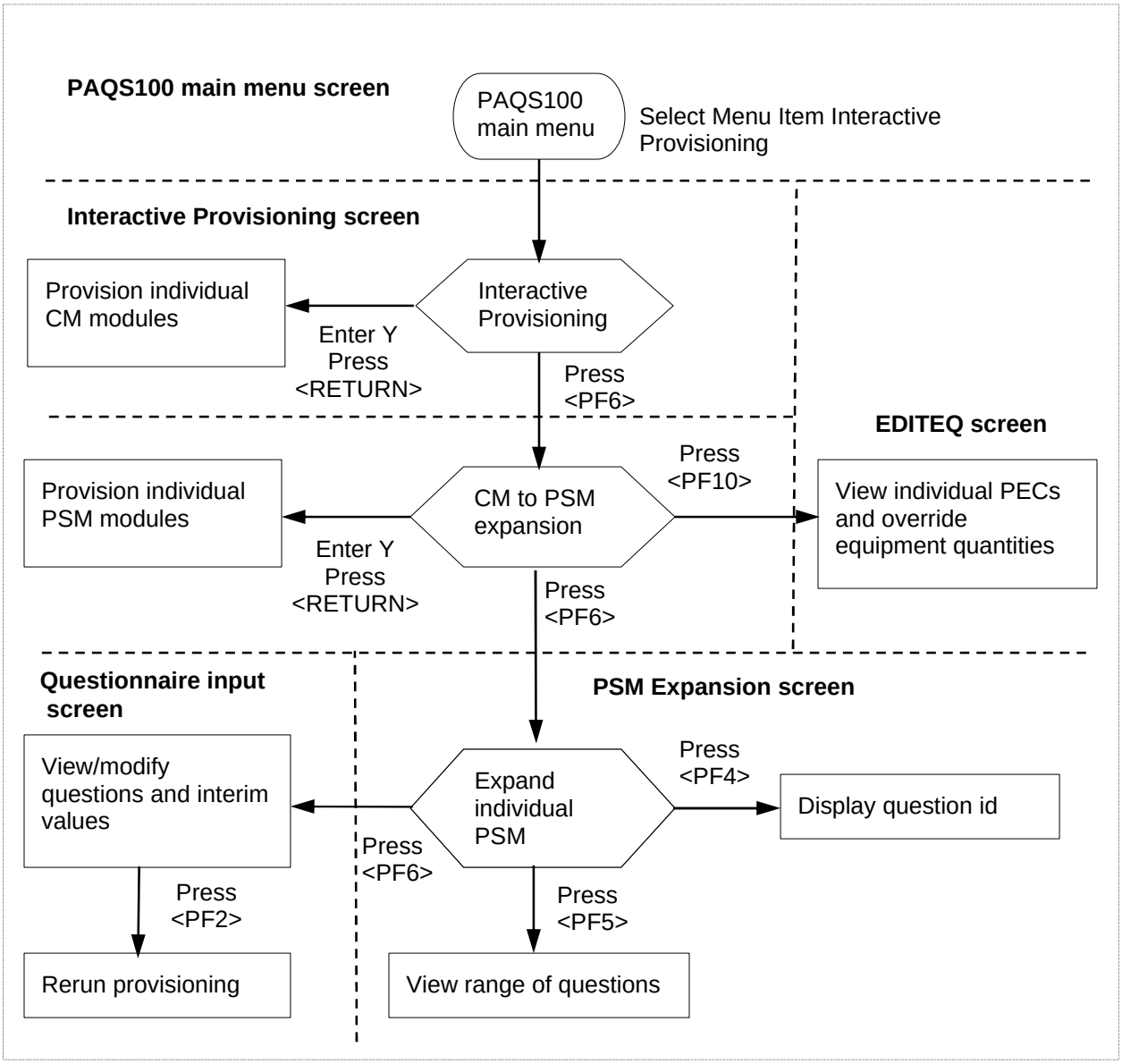
Figure 2-18
IMPROV system structure



IMPROV functionality flow

IMPROV is implemented through a series of screens and menus in PAQS. These screens and menus provide a means to provision specific areas of the office independently, to map specific equipment to questionnaire and interim values that affect the provisioning of that equipment, to override specific equipment quantities and interim values independently without rerunning provisioning for the entire office, and to view and modify provisioning results. Figure 2-19 depicts the possible paths of activity.

Figure 2-19
IMPROV functionality flow



How to access IMPROV

Select menu item INT. PROV. from the PAQS100 main menu.

The PAQS100 Interactive Provisioning screen for host offices illustrated in Figure 2-20 is presented.

Figure 2-20
PAQS100 Interactive Provisioning screen – Host

```
                    PAQS100 INTERACTIVE PROVISIONING

Jobname: TEST     Jobtype: HOST   Issue: 414 Status: READY   Mode: TOPS
Option: 0  Base: 0  Desc:                                    Msgs: Y
+---+--------+--------+-----------------------------------------------------+
|Run| Status |  Name  |               Module Name                           |
+---+--------+--------+-----------------------------------------------------+
 N            OO       OFFICE OVERVIEW
 N            TO       DMS OPERATOR SYSTEM
 N            LT       LINES & TRUNKS
 N            CO       CONTROLLERS
 N            IO       INPUT OUTPUT
 N            MM       MAINTENANCE TESTING
 N            NM       NETWORK
 N            SW       SOFTWARE
 N            CC       CORE
 N            OM       OAM&P
 N            BD       BOUGHT DIRECT
 N            PH       PHYSICAL




 1= Help      2= Ready     3= Quit       4= Top        5= Bottom     6= Expand
 7= Up        8= Down      9= Import    10= Export    11= IQ        12= Run
```

Note: Figure 2-20 displays a job with a TOPS application. If the job does not include TOPS, TO DMS Operator System will not appear.

The PAQS100 Interactive Provisioning screen for remote offices is illustrated in Figure 2-21.

Figure 2-21
PAQS100 Interactive Provisioning screen – Remote

```
                      PAQS100 INTERACTIVE PROVISIONING

Jobname: REM      Jobtype: REMOTE Issue: 414 Status: READY   Mode: ALL
Option: 0  Base: 0  Desc:                                          Msgs: Y
+---+--------+--------+-------------------------------------------------------+
|Run| Status |  Name  |                Module Name                            |
+---+--------+--------+-------------------------------------------------------+
 N             RT       SERVICE CKT TRAFFIC
 N             RL       LINES/RSCS/STAR HUB/STAR MODULE
 N             RR       RLM/RLCC/RLCM/OPM/RSC
 N             RM       MISC EQUIPMENT
 N             RP       PHYSICAL/SPARES


1= Help      2= Ready     3= Quit       4= Top        5= Bottom     6= Expand
7= Up        8= Down      9= Import    10= Export    11= IQ        12= Run
```

The Interactive Provisioning screen provides access to the individual CMs that represent modular groupings of major equipment areas. The CM names are presented under the name column on this screen.

A number of functions are available from this screen to support the earlier versions of Interactive Provisioning. The new IMPROV functionality is accessed through the operation of the <PF6> key.

PAQS100 Interactive Provisioning screen PF keys

The PAQS100 Interactive Provisioning screen PF keys are defined as follows:

- PF1 = Help
  - — invokes the online help facility
- PF2 = Ready
  - — permits override of the current CALC pending status in order to proceed with other IMPROV functions
    - For example, if informational questions such as ship-to address are changed, the system recognizes this as a change and reflects the status as pending.
    - Operation of <PF2> overrides the pending status and the system is forced to a ready state.
    - Use of this key is not recommended until full training is acquired and IMPROV operation familiarity is obtained.

    Note: Instances where actual equipment calculations are pending, forcing the system to a ready status permit implementation of other IMPROV functions, but the individual PSMs maintain a pending status. This is further explained in the PSM sections to follow.

- PF3 = Quit
  - — exits the Interactive Provisioning screen and returns to the PAQS100 main menu
- PF4 = Top
  - — moves the cursor to the top, in this case to the first CM
- PF5 = Bottom
  - — moves the cursor to the bottom, in this case the last CM
- PF6 = Expand
  - — provides access to the next layer of IMPROV functionality
    - – <TAB> to the desired CM and execute; system expansion is indicative of the individual PSMs associated with the selected CM.
- PF7 = Up
  - — scrolls backward one screen
- PF8 = Down
  - — scrolls forward one screen
- PF9 = Import
  - — examines the system imports for the CM pointed to by the cursor
- PF10 = Export
  - — examines the system exports for the CM pointed to by the cursor
- PF11 = IQ
  - — enters a mini version of the questionnaire that contains only questions and tables related to the CM pointed to by the cursor
  - — provides ability to view and edit the questionnaire and table answers
- PF12 = Run
  - — runs the CM pointed to by the cursor

How to apply provisioning rules to individual CM modules

To apply provisioning rules to individual CM modules, perform the following steps:

1 Select menu item Interactive Provisioning from the PAQS100 main menu. The Interactive Provisioning screen illustrated in Figure 2-21 is presented.

2 Place the cursor on the CM run column on the PAQS100 Interactive Provisioning screen.

3 Change the > **N** in the Run column to > **Y**.

4 Press <RETURN>.

Note: If a pending status is in the status column of any CM, the modules must be provisioned in consecutive order. If a pending status does not exist in any status column, any module may be provisioned individually.

IMPROV CM to PSM expansion

Each IMPROV categorization module is subdivided in corresponding PSMs.

The CM to PSM expansion for a host office is shown in Table 2-1. The columns on the left are indicative of the actual CMs as they are shown on the Interactive Provisioning screen. The columns to the right show the PSMs that are contained in the individual CM. For access to the PSM level, use <PF6>, Expand on the Interactive Provisioning screen.

Table 2-1
CM to PSM expansion – host office

CM		PSM	
00	Office Overview	INIT	Initialization of Office PIVs
TO	DMS Operator System	TOPS	Traffic Operator Position System
LT	Lines & Trunks	IBN	Centrex services
		REM	Remote Interfaces
		LINES	Lines
		DTRKS	Digital Trunks
		ATRKS	Analog Trunks
		LM	Line Modules
		LCM	Line Concentrating Module
		SPM	Messages Services Module
		SM	ESMU/SMA
		SSM	SMA2
		WLN	DMS Wireless Line Pricing
		FTM	SPM OC3 Fiber Trunk Module
		PP15K	Passport 15000
		MG4K	Multi-service Gateway 4000
		P8600	Passport 8600
		P7480	Passport 7480
		M9K	Multi-media Gateway 9000
		CIP	Centrex IP
		OM35H	OPTera Metro 3500
		IWSPM	Inter-working SPM
CO	Controllers	DCM	Digital Carrier Modules
		LTC	Line/Trunk Controllers
		LGC	Line Group Controllers
		DTC	Digital Trunk Controllers
		SM	SMU SMR SCM Controllers
		REAL	Real Time Calculation
		SI	MSB6/MSB7/LPP/IPH

—continued—

Table 2-1
CM to PSM expansion – host office (continued)

CM		PSM	
IO	Input Output	IF	I/O Interfaces
		MODEM	I/O Modems
		BD	I/O Bought Direct
		CNTRL	I/O Controllers
MM	Maintenance Testing	MTCE	Maintenance Equipment
		ALARM	Miscellaneous Alarms
		SERV	Service Circuits
		MSC	Miscellaneous Loose Equipment
		TM	TME, ISME, MTAE, CMTA
		MIS	Miscellaneous Equipment Frame
NM	Network	PORTS	Network Ports
		TRAFF	Network Traffic
		MODS	Network Modules
		DNI	DNI Panels and Frames
		SLC	SLC Panels and Frames
SW	Software	MAST	Master Packages
		FEAT	Feature Packages
		LMAST	Limited Master Packages
		LFEAT	Limited Feature Packages
CC	Core	MEMC	Memory
		NT40	CCC Frame
		ECORE	Supernode and XA-Core
		SNSE	Supernode SE Cabinet
OM	OAM&P	P6480	Passport 6480
		PMDM	Preside Multi-service Data Manager
		PGS	SAM 16 Global Server
		CSAM	SAM 21 Global Server
		CCS2K	Compact Communication Server 2000
		IMS	Integrated Multimedia Services

—continued—

Table 2-1
CM to PSM expansion – host office (continued)

CM		PSM	
BD	Bought Direct	BD	Bought Direct Equipment
PH	Physical	FUSES	Fuse Calculations
		PDC	Power Distribution Equipment
		CONN	Connector Blocks
		SPARE	Spare Equipment
		OFRAM	Frame Count and Kits
		SDD	Service Definition Documents
—end—			

The CM to PSM expansion for a remote office is shown in Table 2-2.

Table 2-2
CM to PSM expansion – remote office

CM		PSM	
RT	Service Circuit Traffic	RAFF	Service Circuit Traffic
RL	Lines/RSCS/STAR HUB/STAR Module	TLINE	Line Equipment (RSC or RSCI)
		RSCS	Remote Switching Center – Sonet
		SRH	Star Hub
		SM	STAR MODULE (SRME/SRMO)
		TMG4K	Multi Service Gateway 4000
		TP15K	Passport 15000
		T8600	Passport 8600
		T7480	Passport 7480
		T9K	Media Gateway 9000
		SSM	SMA2 Equipment
		CIP	Centrex IP
		OM35H	OPTera Metro 3500
RR	RLM/RLCC/RLCM/OPM	LM	Remote Line Module
		LC	Remote Line Concentrating Module/Center
		OPM	Outside Plant Module
		SC	Remote Switching Center
		P6480	Passport 6480
		PMDM	Preside Multiservice Data Manager
RM	Miscellaneous Equipment	SERV	Maintenance Equipment
		ISC	Miscellaneous Equipment
RP	Physical/Spares	SPARE	Spare Equipment
		OFRAM	Frame Count and Kits
		REAL	Quick Real Time Calculations
		SDD	Service Definition Documents

CM expansion provides the second level of IMPROV functionality. With the exception of the CM Software, all CM expansion screens provide the same level of functionality. For the purpose of simplicity this document depicts expansion of the Network CMs. This module is representative of full IMPROV functionality.

How to expand the CM to the PSM level

<PF6>, Expand, provides access to the PSM level through the desired CM from the Interactive Provisioning screen. To expand the CM, perform the following steps:

1 Select menu item Interactive Provisioning from the PAQS100 main menu. The PAQS100 Interactive Provisioning screen illustrated in Figure 2-22 is presented.

2 Place the cursor on the CM.

3 Press <PF6>.

The PAQS100 CM Expansion screen illustrated in Figure 2-22 is presented.

Figure 2-22
PAQS100 CM Expansion screen

```
                                Network Module
                                ==============

 OFFICE : 3                                              08:57:45
 JOBNAME: TEST                                           OPTION:  0
 JOBTYPE: HOST                                           MASK:  N
 ISSUE  : 414                                            D-DATE:  20021212

+---+-----------+------------+     |     +---+-----------+------------+----+
|Run|    PSM    |   Status   |     |     |Run|    MEM    |   Status   | PQ |
+---+-----------+------------+     |     +---+-----------+------------+----+
                                    |
 N      PORTS       Run             |
 N      TRAFF       Run             |
 N      MODS        Run             |      N    20021212      Run       ENA0 >>
 N      DNI         Run             |      N    20021212      Run       DNB0 >>
 N      SLC         Run             |      N    20021212      Run       SLA0 >>




1 = Help            3 = Quit              5 = PQlist   6 = Expand
7 = Up       8 = Down         10 = ME    11 = MemEdit 12 = Run
```

The top of the screen provides basic information about the job. The field for D-date may be modified. A change here is reflected in the questionnaire and directly affects the mapping of GPEC to PEC (D-date provisioning). The MEM does not permit equipment to be ordered that is not available prior to the D-date specified.

The lower portion of the screen is divided in two sections. The left section of this diagram reflects the PSMs associated with the Network CM. The right section reflects the MEM associated with the PSM on the left.

CM Expansion screen fields

The PAQS100 CM Expansion screen fields are defined below:

- Each PSM has three fields displayed:
  - Run
    - Use this field to select a PSM. PSMs are run individually or in groups. To run an individual PSM, enter > **Y** in the run column followed by <ENTER>, or simply place the cursor on the desired item and press <PF12>. To run a grouping of PSMs, enter > **YY** in the run column of the first item and a > **YY** in the run column of the last item and press <ENTER>. PSMs are listed in the preferred order of execution; however, they may be run in any order.
  - PSM
    - This field indicates the name of a particular PSM. Remember that the PSM contains the actual provisioning rules. It produces GPECs and calculated values (provisioning variables). Typically the provisioning variables are carried forward to other PSMs and the GPECs are carried over to the MEM for mapping to actual PECs based on D-date.
  - Status
    - This field determines whether or not the PSM was run or whether or not the calculation is pending.
- Each MEM has four fields displayed:
  - Run
    - Use this field to select a MEM. MEMs are listed in the preferred order of execution; however, they may be run in any order. Selection options are the same as described for PSMs.
  - MEM
    - This field indicates the D-date used by the MEM for mapping GPEC information to actual PECs. Upon initial entry into the screen, the field is equal to the D-date data entered in the questionnaire.
    - A particular MEM is always associated with the PSM directly to the left of the MEM on the screen.

Note: This field is used to force the system to provision an individual MEM to a D-date not equal to that indicated in the questionnaire. This is an advanced technique and is not typically required. Use of this particular capability should be reserved for internal Nortel Networks users during the initial introductory phases of IMPROV.

— Status

– This field determines whether or not the MEM was run or whether or not a calculation is pending.

— PQ

– This field indicates the particular PEC qualifier (PQ) that is written to by this MEM. PECs often have a number of functions. The PQ shown is indicative of the functions being addressed by the particular MEM. For example, NT6X50AA DS-1 interface circuit packs have several applications. In the line group controller application the PQ is LGA0. In the digital trunk controller application the PQ is DTA0, and for spare circuit packs, the PQ is SPA0.

– Indicates that multiple PQs are being addressed by displaying the symbol >> following the PQ. <PF5> expands this list to view all PQs written to by a particular MEM. It should be noted that an individual MEM writes to multiple PQs but any given PQ may only be addressed by a single MEM.

PAQS100 CM Expansion screen PF keys

The PAQS100 CM Expansion screen PF keys are defined as follows:

- PF1 = Help
  — invokes the online help facility
- PF3 = Quit
  — presents the Interactive Provisioning screen
- PF5 = PQList
  — displays a list of all PEC qualifiers written to by the MEM the cursor is on
    – The symbol >> in the PQ field indicates that more than one PQ is being written to by the MEM.
    – <PF5> provides a window display of the entire list and also provides PQ descriptions.

- PF6 = Expand
  - — expands the PSM the cursor is positioned on and presents the next level of IMPROV functionality, the PSM table editor.
- PF10 = ME
  - — provides a subset of the full ME equipment list that contains only the equipment related to the selected PSM and MEM combination
- PF11 = MemEdit
  - — permits modifying and overriding the mapping selectors and views the resulting effect on the MEM
    - – <PF11>, Display, provides a display window of the GPEC to PEC mapping.
    - – <PF11> and <PF12> are used to test mapping using various selector overrides as experience is gained.

      Note: Overriding the MEM selectors is an advanced capability and is not recommended for general use at this time.
- PF12 = Run
  - — runs the PSM or MEM the cursor is positioned on

How to turn the mask on or off

To turn the mask on or off, simply type > **ON** or > **OFF** to the right of the mask field on the PAQS100 CM Expansion screen.

How to view PEC qualifiers associated with individual PSMs

To view the PEC qualifiers associated with an individual PSM, press <PF5>, PQLIST.

IMPROV PSM expansion

PSM expansion provides a spreadsheet-like ability to view the questions that affect provisioning results, to view the actual provisioning results, or to modify the inputs and outputs of the selected PSM. This screen also provides the capability to provision the PSM using the modified values.

To expand on a given PSM, perform the following steps:

1 Place the cursor on the CM from the PAQS100 Interactive Provisioning screen, illustrated in Figure 2-20.

2 Press <PF6>. The PAQS100 CM Expansion screen illustrated in Figure 2-22 is presented.

3 Place the cursor on the PSM.

4 Press <PF6>, Expand.

The PSM Expansion screen, illustrated in Figure 2-23, that contains questions and answers and the provisioning results is presented. The input PIVs are displayed by using <PF8> to scroll down the screen.

Figure 2-23
PSM Expansion screen

```
                                Network Ports                          Pending
                                =============

                                  Exist   C.Add   Add     Calc    Proposed
                                  =====   =====   ===     ====    ========
+--------------------------------+-------+-------+-------+-------+------------+
|            IQ                 |       |       |       |       |            |
+--------------------------------+-------+-------+-------+-------+------------+
| Spare DS30 Network Ports       |0      |       |       |       | CALC       |
| Engineered Network Ports       |0      |       |       |       | CALC       |
+--------------------------------+-------+-------+-------+-------+------------+
|       INPUT PIV(S)             |       |       |       |       |            |
+--------------------------------+-------+-------+-------+-------+------------+
| ENET required?                 |       |       | 1     | 1     |            |
+--------------------------------+-------+-------+-------+-------+------------+
|                                |       |       |       |       |            |
| MTM ports                      |       |       | 0     | 0     |            |
| MTM ports on ISM               |       |       | 2     | 2     |            |
| CMTA ports                     |       |       | 0     | 0     |            |
| MTAE ports                     |       |       | 0     | 0     |            |
| DRA ports                      |       |       | 0     | 0     |            |
| TM ports                       |       |       | 0     | 0     |            |
. . .
|                                |       |       |       |       |            |
| SMUI ports                     |       |       | 0     | 0     |            |
| SMA ports                      |       |       | 0     | 0     |            |
| SMA2 (ESMA) ports              |       |       | 0     | 0     |            |
|                                |       |       |       |       |            |
| LM ports                       |       |       | 0     | 0     |            |
|                                |       |       |       |       |            |
| DCM ports                      |       |       | 0     | 0     |            |
| DES ports                      |       |       | 0     | 0     |            |
|                                |       |       |       |       |            |
| MSB6 ports                     |       |       | 0     | 0     |            |
| MSB7 ports                     |       |       | 0     | 0     |            |
|                                |       |       |       |       |            |
| NIU ports                      |       |       | 0     | 0     |            |
|                                |       |       |       |       |            |
| SPARE ports                    |       |       | 0     | 0     |            |
+--------------------------------+-------+-------+-------+-------+------------+
|       OUTPUT PIV(S)            |       |       |       |       |            |
+--------------------------------+-------+-------+-------+-------+------------+
| Network ports required         |       |       | 0     | 0     |            |
| Networks required (physical)   |       |       | 0     | 0     |            |
|                                |       |       |       |       |            |
| ENET-peripheral copper links   |       |       | 5     | 5     |            |
| ENET-peripheral fiber  links   |       |       | 0     | 0     |            |
|                                |       |       |       |       |            |
| ENET-periph copper msg channel |       |       | 5     | 5     |            |
| ENET-periph fiber  msg channel |       |       | 0     | 0     |            |
+--------------------------------+-------+-------+-------+-------+------------+


====>
1= Help      2= Refresh    3= Quit      4= Dispvar   5= Range     6= Expand
7= Up                                  10= NextPSM  11= UnProp   12= Note
```

PSM Expansion screen variables

The PSM Expansion screen variables are grouped in up to five sections:

- Input questions (IQ)
  - IQs are questionnaire answers that affect the PSM.
  - Text shown is a condensed version of the questionnaire text.
  - Answers to the questionnaire are modified from this screen.
- Provisioning interim values (Input PIV)
  - Provisioning variables are brought forward from previous PSMs as an import to this PSM.
- Input GPECs
  - GPECs that are produced in a previous PSM/MEM but are required as input to this PSM
- Output PIV
  - provisioning interim values that are calculated and produced by this PSM for export to other PSMs or reports
- Output GPEC
  - GPECs that are actually provisioned in this PSM and are mapped to equipment by the associated MEM

Each of the above sections has five associated columns:

- Exist
  - reflects the existing quantities for extension activity, N/A for IQ or PIV
- C. Add
  - reflects the quantity provided by the customer, N/A for IQ
- Add
  - reflects the quantity provided by Nortel Networks, N/A for IQ
- Calc
  - reflects the calculated requirement, N/A for IQ
- Proposed
  - captures customer requirements with different meanings for different variables, the basics to remember are as follows:
    - For section IQ, the proposed column is always equal to the questionnaire input, and changes from this screen populate the questionnaire.

- When table ===> is present in the column, expand <PF6> to view and edit the associated table; when present in the IQ section, the changes are reflected in the questionnaire.
- Quantities entered in the proposed column override the calculated results; a refresh key, <PF2>, is provided to provision the PSM using the specified overrides.

PSM Expansion screen PF keys

The PSM Expansion screen PF keys are defined as follows:

- PF1 = Help
  - invokes the online help facility
- PF2 = Refresh
  - runs provisioning for the PSM using the override values typed in by keyboard entry
- PF3 = Quit
  - exits the PSM Expansion screen and returns to the CM Expansion screen
- PF4 = Dispvar
  - presents a window displaying the question ID or PIV for the line or item the cursor is on
    - In the IQ field, a window is displayed containing the question ID for the line that the cursor is positioned on.
    - In the provisioning variable field, a window is displayed containing the provisioning variable ID (PIV) for the item that the cursor is positioned on.
- PF5 = Range
  - provides a display window stating the valid range and default of the IQ that the cursor is positioned on
- PF6 = Expand
  - permits expand on the IQ field or PIV table that the cursor is positioned on
  - expands on either questions or tables, primarily tables
    - Table expansion presents the full screen input mode (FSIQ) for the selected table.
    - Question expansion typically is not needed as questionnaire input varies from this screen.
  - Use <PF4> and <PF5> for range and question ID information.

- PF7 = Up
  - — scrolls backward one screen
- PF8 = Down
  - — scrolls forward one screen
- PF9 = Prev PSM
  - — displays the previous PSM of the current CM
- PF10 = Next PSM
  - — displays the next PSM of the current CM
- PF11 = Unprop
  - — removes the override value for the variable that the cursor is on and resets the variable to the calculated value

How to apply provisioning rules to individual PSMs

Provisioning rules are applied to individual PSMs from the PAQS100 CM Expansion screen. To apply the provisioning rules to a PSM, perform the following steps:

1 Move the cursor to the run column to the left of the PSM on the PAQS100 CM Expansion screen, illustrated in Figure 2-22.

2 Change the > **N** to > **Y** and press <RETURN>. The status column changes from pending to running. When provisioning is complete, the status column changes from running to run.

How to view specific PECs associated with individual PSMs

To view a list of PECs associated with individual PSMs, perform the following steps:

1 Place the cursor on the CM from the PAQS100 Interactive Provisioning screen, illustrated in Figure 2-20.

2 Press <PF6>. The PAQS100 CM Expansion screen illustrated in Figure 2-22 is presented.

3 Place the cursor on the MEM column of the PSM.

4 Press <PF10>, ME. The PAQS100 EDITEQ screen illustrated in Figure 2-24 is presented.

Figure 2-24
PAQS100 EDITEQ screen

```
                          PAQS100 EQUIPMENT INPUT

JOBNAME: TEST     COEO: H99999    SORT: QZ   MASK: NONE     MODE: CONSTR DFLG Y
OPTION: 0  BASE 0   DESC:
+--------------+----+-----------------------+------+------+------+---+------+-
|   PEC CODE   |  PQ|        DESCRIPTION     |TOTAL |C.ADD |EXIST |NOT|NTADD |
+--------------+----+-----------------------+------+------+------+---+------+-
 NTZZ10NC       ENA0 64K ENHANCED NTWK CAB    1      0      0          1
 NT0X35CC       ENA0 S/DMS CABLING CAB. ASSY  2      0      0          2
 NTZZ10CU       ENA0 C42 CAB COOLING UNIT -48 1      0      0          1
 NTZZ10DA       ENA0 96 DS-30 BULKHEAD ASSY   2      0      0          2
 NT0X24BD       ENA0 BLANK SHELF ASSEMBLY     2      0      0          2
 NTZZ10CD       ENA0 ENET 16M CPU             2      0      0      2   2
 NTZZ10MA       ENA0 3 DS512/16 DS30 E I/F AS 2      0      0          2
 NTZZ34PA       ENA0 GLOBAL +5V PWR CONVERTER 2      0      0          2
 NTZZ34PC       ENA0 GLOBAL -5V PWR CONVERTER 2      0      0          2
 NT9X19AA       ENA0 FILLER CIRCUIT PACK      24     0      0          24
 NT9X19BA       ENA0 FILLER PADDLEBOARD CP    28     0      0          28
                     **end of data**          0      0      0          0
                                              0      0      0          0
                                              0      0      0          0

                                              0      0      0          0
+--------------+----+-----------------------+------+------+------+---+------+-
                                              0      0      0          0
+--------------+----+-----------------------+------+------+------+---+------+-
==>
1=BB  2=? 3=QUIT 4=NOTE 5=DCA 6=UCST 7=UP 8=DWN 9=DEL 10=DELB 11=CDEL 12=POINT
```

Equipment quantities are adjusted from this screen using the same methods implemented when using menu item EDITEQ from the PAQS100 main menu. Refer to “EDITEQ – edit/display equipment data” on page 2-71 for more detailed information.

How to cross-reference equipment quantities to the questionnaire

The Display C to A (DCA) cross-reference utility accessed by pressing PF5 is intended to allow the user to place the cursor on a PEC row, press PF5, and then be presented with a list of questions and PIVs that “drive” the provisioning of that PEC. However, this process requires intensive maintenance and is currently not up to date. Therefore it is not recommended that this functionality be used.

One can, however, use the PSM expansion, referenced in Figure 2-23 to see a list of inputs to the calculations performed for a given PSM. This, however, is not a complete list and also depends on proper maintenance to keep current.

From the PSM expansion screen, one can press PF4 to see the actual question id, PIV, or GPEC that is represented by that entry.

Pressing <PF4>, Dispvar, on the top row of the Network Ports PSM expansion screen shown Figure .2-23, displays the question id (7A25.6) for the question represented by “Spare DS30 Network Ports”, as illustrated in Figure 2-25.

Figure 2-25
PSM Expansion Screen using <PF4>, VarID

```
                                Network Ports                          Pending
                                =============

                                  Exist   C.Add   Add     Calc    Proposed
                                  =====   =====   ===     ====    ========
+--------------------------------+-------+-------+-------+-------+------------+
|            IQ                 |       |       |       |       |            |
+-+------------------------------+-------+-------+-------+-------+------------+
| | 7A25.6                       | 0     |       |       |       | CALC       |
| +------------------------------+ 0     |       |       |       | CALC       |
+--------------------------------+-------+-------+-------+-------+------------+
|       INPUT PIV(S)             |       |       |       |       |            |
+--------------------------------+-------+-------+-------+-------+------------+
| ENET required?                 |       |       | 1     | 1     |            |
+--------------------------------+-------+-------+-------+-------+------------+
|                                |       |       |       |       |            |
| MTM ports                      |       |       | 0     | 0     |            |
| MTM ports on ISM               |       |       | 2     | 2     |            |
| CMTA ports                     |       |       | 0     | 0     |            |
| MTAE ports                     |       |       | 0     | 0     |            |
| DRA ports                      |       |       | 0     | 0     |            |
| TM ports                       |       |       | 0     | 0     |            |
|                                |       |       |       |       |            |
| SMUI ports                     |       |       | 0     | 0     |            |
| SMA ports                      |       |       | 0     | 0     |            |
| SMA2 (ESMA) ports              |       |       | 0     | 0     |            |
|                                |       |       |       |       |            |
| LM ports                       |       |       | 0     | 0     |            |
<                    Press Enter to Continue                          >
```

How to make changes to PSM interim values

To modify parameters and direct inputs from the PSM interim values screen, perform the following steps:

1 Press <PF7> & <PF8> to scroll to the desired PIV or GPEC input section.
2 Modify the data entries in the proposed column.
3 Press <PF2>, Refresh, to execute the PSM calculations. The following message is presented:

```
Re-running PSM...Please wait.
```

How to modify data using the PSM Expansion screen

To modify questionnaire data using the PSM expansion screen, perform the following steps:

1 Place the cursor on the PSM on the PAQS100 CM Expansion screen.
2 Press <PF6>, Expand. The PSM expansion screen is presented.
3 Modify the answers in the proposed column of the screen. If modifying table answers, press <PF6> on the appropriate table column to expand on the actual table.
4 Press <PF2>, Refresh, to provision the office again. The system adds any interdependent equipment at this time.

Only one module is required to make changes in the network ports, which is a time and money savings over full provisioning.

Since the Network (NM) categorization module precedes the SW, CC, OM, BD and PH categorization modules, as illustrated in Figure 2-26, a status of pending is set for these five modules in addition to the Network CM.

Press <PF12>, Run, to complete the provisioning for the pending CMs.

Figure 2-26
PAQS100 Interactive Provisioning screen with CMs pending

```
                        PAQS100 INTERACTIVE PROVISIONING

 Jobname: TEST     Jobtype: HOST   Issue: 414 Status: PENDING Mode: ALL
 Option: 0  Base: 0  Desc:                                     Msgs: Y
 +---+--------+--------+-------------------------------------------------------+
 |Run| Status |  Name  |               Module Name                             |
 +---+--------+--------+-------------------------------------------------------+

  N   OK       OO       OFFICE OVERVIEW
  N   OK       LT       LINES & TRUNKS
  N   OK       CO       CONTROLLERS
  N   OK       IO       INPUT OUTPUT
  N   OK       MM       MAINTENANCE TESTING
  N   PENDING  NM       NETWORK
  N   PENDING  SW       SOFTWARE
  N   PENDING  CC       CORE
  N   PENDING  OM       OAM&P
  N   PENDING  BD       BOUGHT DIRECT
  N   PENDING  PH       PHYSICAL


 1= Help      2= Ready     3= Quit       4= Top        5= Bottom     6= Expand
 7 =Up        8= Down      9= Import    10= Export    11= IQ        12= Run
```

PROVNOEQ – Provision No Equipment

PROVNOEQ is a feature in NT-ACCESS that recalculates GPECS and PIVs for constrained equipment. PROVNOEQ ensures that engineering services,

installation services, and incremental software charges are calculated correctly, providing greater quotation accuracy. This feature also ensures the accuracy of the various NT-ACCESS reports that provide equipment calculations – i.e., PRNOTES, ANALYSIS, and FRAMESUM reports.

This macro is executed from the PAQS100 command line. The PROVNOEQ function does not affect the MEL – i.e., if the MEL has constrained equipment, or equipment based on a particular D Date, the PROVNOEQ function does not change the equipment list.

The PROVNOEQ PAQS100 module works as follows:

1 Takes a snapshot of the MEL and GPECS
2 Constrains the MEL
3 Repopulates GPECS
4 Runs provisioning in its entirety
5 Constrains out any added equipment
6 Any PECs/GPECs that are constrained that were not originally constrained are unconstrained
7 Any GPECs showing up in the MEL that are constrained to 0 are deleted.

The constraints of the PROVNOEQ function are:

1 PROVNOEQ must be run on each option individually.
2 PROVNOEQ must be run prior to the submittal of a job to the pricing system. The pricing functionality will abort if PROVNOEQ has not been executed.
3 The following reports will check for the “Provisioning Pending” flag and will not run unless PROVNOEQ has been executed.
   — PRNOTES
   — ANALYSIS
   — FRAMESUM

   In “Provisioning Pending,” you are given the option of having the macro PROVNOEQ automatically execute. If you answer “Y,” then PROVNOEQ is executed and the report is generated. If you answer “N,” the reports will not be generated.
4 When utilizing the PF2 Key, the function will remain the same as in the past with one exception. The PF Key will reset each of the CMs or PMs; however, the Master Provisioning Pending flag will not be reset unless a full provisioning run is made or PROVNOEQ is executed.

Provisioning Pending

Obviously not all questions affect provisioning. Beginning with the 405 release, provisioning will be made pending only when answers to questions that actually affect provisioning are changed. Pressing <PF2> to show help text will provide a note if the question or table affects provisioning.

Software CM

The software CM subdivides into PSMs like the other CMs, but the operation of the software CM is different from the other CMs and is reviewed separately.

To gain access to PSM expansion from the software CM, <TAB> to the software CM and press <PF6>. The Software Module screen illustrated in Figure 2-27 is presented.

Figure 2-27
Software Module screen

```
                                Software Module
                                ===============

 OFFICE :                                                13:12:06
 JOBNAME: TEST                                           OPTION:  0
 JOBTYPE: HOST                                           MASK:  N
 ISSUE  : 414                                            D-DATE:  20021212
+---+-----------+------------+  |  +---+----------+------------+----+
|Run|    PSM    |   Status   |  |  |Run|   MEM    |   Status   | PQ |
+---+-----------+------------+  |  +---+----------+------------+----+
 N      MAST        Pending     |
 N      FEAT        Pending     |
 N      LMAST       Pending     |
 N      LFEAT       Pending     |




1 = Help              3 = Quit              5 = PQlist   6 = Expand
7 = Up       8 = Down          10 = ME      11 = MemEdit 12 = Run
```

The top of the software CM screen provides basic information about the job. The field for D-date may be modified. The date entered here has no direct impact on the software provisioned; however, a change here is reflected in the questionnaire and directly affects hardware provisioning.

The lower portion of the screen is divided in two sections. The left section reflects the PSM associated with the software CM. The right section of the screen, the MEM, is not applicable for the software CM.

Software Module screen fields

The Software Module screen fields are defined as follows: :

- The PSM has three fields displayed:
  - Run
    - Use this field to select the PSM. PSMs are run individually or in groups. To run an individual PSM, enter > **Y** in the run column followed by an <ENTER> or simply place the cursor on the desired item and press <PF12>. To run a grouping of PSMs, enter > **YY** in the run column of the first item and a > **YY** in the run column of the last item. PSMs are listed in the preferred order of execution; however, they may be run in any order.
  - PSM
    - This field indicates the name of the particular PSM which contains software provisioning rules and produces a software list

      Note: PSMs are provided for both feature and master categories.
  - Status
    - This field displays whether or not the PSM was run or whether or not a calculation is pending

Software Module screen PF keys

The Software Module screen PF keys are described as follows:

- PF1 = Help
  - invokes the online help facility
- PF3 = Quit
  - presents the Interactive Provisioning screen
- PF5 = PQlist
  - not used with the software module
- PF6 = Expand
  - expands the PSM where the cursor is positioned and presents the next level of IMPROV functionality
- PF10 = ME
  - provides a subset of the full material estimate (equipment list) that contains only the software packages related to the selected PSM
- PF11 = MemEdit
  - not used with the software module
- PF12 = Run

— runs the PSM that the cursor is positioned on

Software Editor

The Software Editor feature is no longer functional. It has been replaced by the PAQS to SOLID Interface, which is accessed through the PAQS100 main menu.

EDITEQ – edit/display equipment data

EDITEQ represents the PAQS equipment edit function. The current equipment list is displayed, including total, exist, customer add, and Nortel Networks add quantities. Equipment quantities are edited in the full screen mode.

Select menu item EDITEQ from the PAQS100 main menu and the PAQS100 Equipment Input screen illustrated in Figure 2-28 is presented.

Figure 2-28
PAQS100 Equipment Input screen

```
                          PAQS100 EQUIPMENT INPUT

JOBNAME: TEST     COEO: H99999    SORT: QZ   MASK: NONE     MODE: CONSTR DFLG Y
OPTION: 0  BASE 0   DESC:
+--------------+----+-----------------------+------+------+------+---+------+-
|   PEC CODE   |  PQ|        DESCRIPTION     |TOTAL |C.ADD |EXIST |NOT|NTADD |
+--------------+----+-----------------------+------+------+------+---+------+-
NT0X63LA        ALA0 ALARM CONTROL AND DISPLA 1      0      0          1
NT5X86AB        ALA0 AUD ALM. CUTOFF KEY PANE 1      0      0          1      C
NTZZ10NC        ENA0 64K ENHANCED NTWK CAB    1      0      0          1
NT0X35CC        ENA0 S/DMS CABLING CAB. ASSY  2      0      0          2
NTZZ10CU        ENA0 C42 CAB COOLING UNIT -48 1      0      0          1
NTZZ10DA        ENA0 96 DS-30 BULKHEAD ASSY   2      0      0          2
NT0X24BD        ENA0 BLANK SHELF ASSEMBLY     2      0      0          2
NTZZ10CD        ENA0 ENET 16M CPU             2      0      0      2   2
NTZZ10MA        ENA0 3 DS512/16 DS30 E I/F AS 2      0      0          2
NTZZ34PA        ENA0 GLOBAL +5V PWR CONVERTER 2      0      0          2
NTZZ34PC        ENA0 GLOBAL -5V PWR CONVERTER 2      0      0          2
NT9X19AA        ENA0 FILLER CIRCUIT PACK      24     0      0          24
NT9X19BA        ENA0 FILLER PADDLEBOARD CP    28     0      0          28
NTZZ40AD        MCH0 ISM SHELF (MTM)          2      0      0          2
NTZZ40AH        MCH0 ISM ALARM GROUP SHELVES  1      0      0          1
P0575239        MCH0 FILLER PANEL             6      0      0          6
NTZZ40AK        MCH0 IOM MAIN CONT. CARD KIT  2      0      0          2
NTFX38AA        MCH0 CURRENT LOOP SMART CONN  2      0      0          2
NTFX40DF        MCH0 TEST ACCESS SHORT PLUG A 2      0      0          2
P0832926        MCH0 CONNECTOR KEY BRACKET    2      0      0          2
NTZZ18AB        MIB0 MISC EQUIP FRAME         2      0      0          2
NT0X9594        MIB0 BUS BAR ASSEMBLY (66 IN. 2      0      0          2
NTRX50GH        SDM0 DS512 BACK MODULE        2      0      0          2
NTRX50GX        SDM0 ENCHANCE DS512 INTERFACE 2      0      0          2
NTRX50NM        SDM0 SDM UMFIO DAT AND 36GB D 2      0      0          2
NTRX54BA        SDM0 FAN PWR CONTROL MOD. (FP 1      0      0          1
A0627875        SDM0 CLEANING CART. DG5CLAA   1      0      0          1
A0648771        SDM0 4MM MAG TAPE CART DG-60M 2      0      0          2
NTRX50FA        SDM1 CABINETIZED SDM-FT       1      0      0          1
NTRX50GJ        SDM1 SDM-FT FRONT FILLER PANE 2      0      0          2
NTRX50GK        SDM1 SDM-FT REAR FILLER PANEL 6      0      0          6
+--------------+----+-----------------------+------+------+------+---+------+-
                                              0      0      0          0
+--------------+----+-----------------------+------+------+------+---+------+-
==>
1=BB  2=? 3=QUIT 4=NOTE 5=DCA 6=UCST 7=UP 8=DWN 9=DEL 10=DELB 11=CDEL 12=POINT
```

PAQS100 Equipment Input screen fields

The PAQS100 Equipment Input screen fields are defined as follows:

- COEO
  - — If Question 1A5.1 is answered, the COEO number is displayed here.
- SORT
  - — There are four possible values:
    - – Q indicates that equipment is sorted by PEC qualifier.

  - QZ indicates that equipment is sorted by PEC qualifier and suppresses any zero quantities.
  - P indicates that equipment is sorted by PEC.
  - PZ indicates that equipment is sorted by PEC and suppresses any zero quantities.

- MASK
  - The status of mask is either None or Maskname.
- MODE
  - The mode is either change or CONSTR.
    - Change modifies the specified equipment quantity only; associated equipment is left unchanged.
    - CONSTR modifies the specified equipment as well as most associated equipment.

      Note: > **CONSTR** is a volatile command and should be used only by experienced system users. Constrained quantities are taken as true by the system and are used in the provisioning of other equipment, except line and trunk cards. It is better to use Interactive Provisioning (FSEC) to make equipment changes because the changes are made in the both the questionnaire and tables. <PF10>, Edit A, is found in the level B exports and map to the questions.
- DFLG
  - The flag may be > **Y** or > **N** to display the change flag.
  - If the flag is set to > **N**, the change flag is not displayed.
  - If the flag is set to > **Y** and equipment quantities are changes in the total column, the flags are displayed per the following criteria:
    - > **C** for constrain
    - > **O** for change
    - > **A** for added equipment
    - > **N** for the system default
- OPTION
  - This field displays the current option that is in effect. Ability is available to toggle between options.
- BASE
  - This field displays the base option of the current job and is changed by typing over the existing value.

- DESC
  - — This field displays the description of the current job and is changed by typing over the existing value.
- PEC
  - — product equipment code
- PQ
  - — The PEC qualifier is a code that groups similar equipment in functional sections, such as central control complex, input/output, cables, and spares. The PQ distinguishes different functionalities of the same PEC; for example, PEC NT4X80AA is a data store (PQ=CCF1) or a program store (PQ=CCF0) circuit pack.
- DESCRIPTION
  - — description of equipment
- TOTAL
  - — total quantity of equipment necessary to support requirements that are changed
- C.ADD
  - — Quantity of customer added equipment that is added by the customer but not included in Nortel Networks switching order, for example, line cards added from the customer warehouse.
- EXIST
  - — quantity of existing equipment that may be changed
- NOT
  - — Note ID allows the addition of notes referenced to specific equipment.
- NTADD
  - — This quantity of equipment added by Nortel Networks may not be changed. The system automatically adjusts the quantity based on quantities present in the total and customer add columns: NT add is the total quantity minus the exist quantity minus the customer add.
- ----------

  - — Equipment addition zone permits PECs that are not in the system or job database to be added. To add equipment, type the PEC, PEC qualifier, description, and quantity; press <TAB> to enter the data. Press <ENTER> when all data is supplied.

- ====>

  — This symbol indicates the command line. With the cursor on the command line, type > **GOTO**, press the space bar, then type a PEC, for example, > **GOTO NT6X50**. The system goes directly to that PEC where modifications are made. However, > **GOTO** may be omitted and the character "/" be susbstituted. For example, typing > **/NT6X50** will locate the same PEC. To locate a specific PEC qualifier, type > **GOTO SWAO**, which will display all PECs with a PQ of SWAO (software).

  Note: To see possible entries or additional information for each of the EDITEQ screen fields, place the cursor on the field or item in question and press <PF2>.

How to constrain equipment in the MEL

Equipment is populated into the MEL as a result of executing the product provisioning rules (provisioning). Equipment is added with a PEC, PQ, and associated quantities. Occasionally, for various reasons, the quantity provisioned may need to be changed or the part completely removed. There are also occasions where equipment may need to be added to the MEL without running the provisioning rules. This action of "forcing equipment" into the MEL outside of the normal provisioning process is called "*constraining*".

Equipment can be constrained into the MEL by either locating the desired PEC in the MEL and changing its quantities, or by adding it using the input fields at the bottom of the EQITEQ screen. After constraining in equipment, the constrain flag is set and provisioning will not remove it or modify its quantities. The CONEQPT report can be used to generate a listing of all constrained equipment in a job file.

How to view Building Block PECs

To view associated PECs of a Building Block PEC from within the equipment list, perform the following:

1 Place the cursor on a specific PEC within the equipment list.

2 Press <PF1>. The associated PECs of the selected PEC illustrated in Figure 2-29 is presented.

Figure 2-29
Building Block Explosion from the equipment list

```
        ========================================
                    N T - A C C E S S
                  Building Block Explosion
        ========================================

PRODUCT CODE          EQUIPMENT DESCRIPTION           QTY
------------          ---------------------           ---
NTZZ10NC              64K ENHANCED NTWK CAB
  NT9X05AD            ENHANCED NTWK DUPLEX CAB          1
  NT9X19AA            FILLER CIRCUIT PACK              16
  NT9X19BA            FILLER PADDLEBOARD CP            18
  NT9X35CA            ENET 16KX16 X-POINT TM CP         8
  NT9X36BA            ENET  CLOCK & MESSAGE CP          2
  NT9X40BB            QUAD DS512 FIBER I/F CPNTA        2



        PF3 - Quit       PF7 - UP        PF8- DOWN
```

PAQS100 Equipment Input screen PF keys

The PAQS100 Equipment Input screen PF keys are defined as follows:

- PF1 = BB
  - — displays the PECs associated with a building block code.
- PF2 = ?
  - — displays the Engineering Manual section of the selected PEC
  - — refer to “How to view the Engineering Manual from the equipment list” on page 2-77 or Chapter 6, page 6-5, for more information
- PF3 = QUIT
  - — exits to the PAQS100 main menu
- PF4 = NOTE
  - — presents NOTEDIT where note test is added if the cursor is on the equipment description line
- PF5 = DCA
  - — presents the level C equipment to level A questionnaire cross-reference (display C-A) for the equipment pointed to by the cursor
  - — provides ability to view the parameters that affect provisioning results of the particular equipment

    Note: Although this functionality still exists, the data it uses is not current and therefore should not be relied upon or be considered accurate. Investigation is currently ongoing as to how this functionality might can be restored and improved.

- PF6 = UCST
  - changes the value of previously constrained equipment
  - free to be modified by the provisioning subsystem when the equipment is unconstrained

    Note: Although the **> CONSTRAIN** and **> UNCONSTRAIN** commands are available, it is preferable, for equipment consistency, to make changes using Interactive Provisioning and the Edit A function. This process ensures that all associated changes are addressed, particularly those values residing in table entries. <PF10>, Edit A, is found in level B exports and maps to the necessary questions.
- PF7 = UP
  - scrolls backward one screen
- PF8 = DWN
  - scrolls forward one screen
- PF9 = DEL
  - deletes the current PEC pointed to by the cursor
- PF10 = DELB
  - blocks delete
    - Place the cursor at first PEC to be deleted, then press <PF10>.
    - Place the cursor at last PEC to be deleted, then press <PF10> to delete this entire section of PECs.
- PF11 = CDEL
  - cancels block delete
- PF12 = POINT
  - makes the PEC pointed to by the cursor the first entry in the table

How to view the Engineering Manual from the equipment list

To view sections of the Engineering Manual from within the equipment list, perform the following:

Step 1

Place the cursor on a specific PEC within the equipment list and press <PF2>. The section of the Engineering Manual pertaining to the selected PEC is presented. A variation of an Engineering Manual section is illustrated in Figure 2-30.

Figure 2-30
Engineering Manual from the equipment list

```
                                                          64K ENHANCED NETWORK
                                                  + - 1-39/759     < > 1-79/79


PEC Code:       NTZZ10NC

Date:           2003 02 11

Section:        EMB3

Product Name:   64K ENHANCED NETWORK

CPC Code:       B0245899

Rating:         STD

Replaces:       NTZZ10NA, NTZZ10NB

Replaced By:    Not Applicable

Abbreviation    ENC
Name:

Engineering     The 64K ENET Cabinet houses 2 Network planes in single
Description:    cabinet. Each plane consists of 2 ENET shelves. Each shelf
                provides a nominal Switching capacity of 32K-channels. The
                NTZZ10NC has the same functionality as the existing 128K ENET
                and is contained in an S/DMS cabinet.


Reference       NTZZ10NC REL 01
   1=Help       2=URL keys   3=Return     4=File keys  5=Search     6=Top/Bot
   7=Backward   8=Forward    9=Hotlist   10=Left      11=Right     12=Exit
```

Step 2

Press <PF12> after the document is displayed to retrieve a listing of PECs that include the specific PEC previously viewed. An index of PECs illustrated in Figure 2-31, is presented.

Figure 2-31
Index of PECs

```
                                                  Search results for NTZZ10NC
                                                      + - 1-5/5  < > 1-79/82

ECM 635 37       SINGLE CABINET ENHANCED NETWORK                          200302
NTZZ10NC         64K ENHANCED NETWORK
NTZZ10NA         EMC3-06-001       64K ENHANCED NETWORK
NTZZ10NB         EMC3-06-002       64K ENHANCED NETWORK



  1=Help       2=URL keys   3=Return     4=File keys  5=Search     6=Top/Bot
  7=Backward   8=Forward    9=Hotlist   10=Left      11=Right     12=Exit
```

Step 3

Press <PF12> to view the Engineering Manual document for any PEC listed in this index.

How to generate reports

Menu item REPORT on the PAQS100 main menu permits the selection of reports and determines the destinations for printing.

To successfully generate reports, perform the following steps:

Step 1

Answer the questionnaire and provision the office.

Step 2

Select menu item REPORT from the PAQS100 main menu. When the available userID disk space is less than 50 percent and a temporary disk is unavailable, the following message is displayed:

```
"Your disk is nn% full, and a temporary disk is not currently
available. You may run out of disk space when running
certain reports. Do you wish to proceed? (Y/N)"
```

Perform the following:

1 Type > **N** to return to the PAQS100 main menu, illustrated in Figure 2-32.

2 Type > **Y** to display the PAQS100 Report menu, illustrated in Figure 2-33.

Figure 2-32
PAQS100 main menu – generate reports

```
     **** ********************************************************** ****
     ****                          PAQS100                           ****
     **** ********************************************************** ****
     Office :                                                  14:19:43
     Jobname:  TEST                                   Option:       0
     Jobtype:  HOST                                   Masked:       N
     Issue  :  414




Select an item number or type a command:

>>  1) ADMIN        - Set/query job attributes
>>  2) MASK         - Apply/create/list masks
>>  3) EDITQS       - Input/edit questionnaire data
>>  4) RESERVED     - Not used at this time
>>  5) PROVISION    - Apply provisioning rules
>>  6) INT. PROV.   - Interactive provisioning
>>  7) EDITEQ       - Edit/display equipment data
>>  8) REPORT       - Generate reports
>>  9) BULLETIN     - System bulletins
>> 10) NTAJM        - Interface to Job Maintenance System
>> 11) SOLID        - Interface to SOLID
>> 12) CPRQ         - Critical Pricing Questions




 ====>

PF1=HLP PF2=? PF3=QUIT PF4=EXIT PF5=FILE PF6=RETR PF9=XMIT PF10=MED PF12=POINT
```

Step 3

The first page of the list of reports illustrated in Figure 2-33 is presented.

Figure 2-33
PAQS100 Report menu

```
                            PAQS100 REPORT MENU
JOBNAME: TEST      ALT MEREP? Y/N: N                  CLLI:
MENU: ENGPAQS  TITLEPAGE: N LINES/PAGE: 60 REPORT DESTINATION: TERMINAL
PAGE FOOTERS? Y/N: y  EMAIL ADDR
REPORT                  DESCRIPTION                RUN OPTIONS PARAMETERS
-------- ---------------------------------------- --- --- --- ----------
MEREP    EQUIPMENT BREAKDOWN                      N   0   99
MEREPBB  EQUIPMENT BREAKDOWM BUILDING BLOCKS      N   0   99
CONSEQPT CONSTRAINED EQUIPMENT                    N   0   99
LEVELC   MATERIAL ESTIMATE                        N   0   99
MESUM    EQUIPMENT SUMMARY                        N   0   99
MESUMBB  EQUIPMENT SUMMARY BUILDING BLOCKS        N   0   99
BNKQUEST BLANK QUESTIONNAIRE                      N             L
MSKQUEST MASKED BLANK QUESTIONNAIRE               N             L
ANSQUEST UNMASKED ANSWERED QUESTIONNAIRE          N   0   99    N S
ANSQUEST MASKED ANSWERED QUESTIONNAIRE            N   0   99    Y S
MANSQUES MASKED ANSWERED QUESTIONNAIRE            N   0   99    Y S
CWORKSHT QUESTIONNAIRE WORKSHEET                  N   0   99
PRNOTES  PROVISIONING NOTES                       N   0   99
MSGSRPT  PROVISIONING MESSAGES                    N
TRACERPT PROVISIONING TRACE                       N
PSMTABS  PSM TABLE EXPANSION                      N   0   99
GPECREP  GPEC LISTING                             N   0   99
NOTESREP QUESTIONNAIRE NOTES REPORT               N   0   99    Q
NOTESREP EQUIPMENT NOTES REPORT                   N   0   99    E
NOTESREP CHANGE NOTES REPORT                      N   0   99    C
FULEQSUM FULL POSTCI EQUIPMENT SUMMARY            N   0   99
LOCKEDME LOCKED MATERIAL ESTIMATE                 N   0   99
ANALYSIS ANALYSIS REPORT                          N   0   99
EQSUMM   FRAME & SHELF SUMMARY                    N   0   99
FRAMESUM FRAME SUMMARY                            N   0   99
MRLFORM  BCS MRL REPORT                           N   0   99
DNCSPECS DNC SPECIFICATIONS                       N   0   99
DNCABLES DNC SCSI CABLE SPECS                     N   0   99
QUESTLOG QUESTIONNAIRE LOG                        N
PQREPT   PQ IDENTIFICATION REPORT                 N   0   99
VALMEL   MEL VALIDATION REPORT                    N   0   99
SWORDPW2 SOFTWARE ORDER REPORT                    N
NDBANNER NORTEL DIRECT JOB                        N
RUSSPARE RUS SPARES REPORT                        N   0   99


    1=HELP   2=?   3=QUIT         7=UP   8=DOWN   9=CLOSE          12=RUN
```

Step 4

Press <PF7> and <PF8> to scroll backward and forward through the list of reports

Step 5

Replace the > **N** in the RUN column of the desired report with > **Y**.

Step 6

Specify a range of options for the report. For example, to print a report for options 0, 1, 2, and 3, place a > **0** in the first column and a > **3** in the last column.

Step 7

Select the appropriate parameters.

Step 8

Press <ENTER> or <PF12> to generate the report.

Step 9

Each report is printed with a footer at the bottom of each page containing specific job information. The footer is illustrated in Figure 2-34.

Figure 2-34
Report footer

```
+-------------------------------------------------------------------------------+
|NTI COEO: H99999                                    TEO #: N/A                 |
|JOBNAME : TEST     CLLI : N/A              TELCO AUTH #: N/A                   |
|JOBTYPE : HOST     OPTION: 0    BASE: 0   TRAFF ORDER #: N/A                   |
|ISSUE: 414 LAST PROV: JUL 31,2003  REL: 414.0  PCL: LEC00012  DDATE :   20031212|
|REPORT DATE: JUL 31,2003  TIME: 15:00:42 ARKIVE: N/A            SHEET        8  |
|                                                                               |
| Note: This information is property of Nortel Networks and does not            |
|       constitute a commitment for the supply of equipment.                    |
+-------------------------------------------------------------------------------+
```

Note: Pricing reports have a header with similar information. The release number also includes the current dot release number on both headers and footers.

How to print sections of the NT-ACCESS questionnaire

To print individual sections of the NT-ACCESS online questionnaire, perform the following steps:

Step 1

Select menu item REPORT from the PAQS100 main menu.

Step 2

The first page of the list of reports illustrated in Figure 2-33 is displayed.

Step 3

Press <PF7 and <PF8> to scroll through the list of reports illustrated in Figure 2-33.

Step 4

Locate the required section number of the online questionnaire under the parameter column of the Questionnaire Worksheet Report (CWORKSHT) report as illustrated in Figure 2-35.

Step 5

Replace the > **N** in the RUN column of the CWORKSHT report with > **Y**.

Figure 2-35
PAQS100 Report menu

```
                              PAQS100 REPORT MENU
JOBNAME: TEST      ALT MEREP? Y/N: N                    CLLI:
MENU: ENGPAQS  TITLEPAGE: N LINES/PAGE: 60 REPORT DESTINATION: TERMINAL
PAGE FOOTERS? Y/N: y  EMAIL ADDR
REPORT                  DESCRIPTION                 RUN OPTIONS PARAMETERS
-------- ---------------------------------------- --- --- --- ----------
MEREP    EQUIPMENT BREAKDOWN                       N   0   99
MEREPBB  EQUIPMENT BREAKDOWM BUILDING BLOCKS       N   0   99
CONSEQPT CONSTRAINED EQUIPMENT                     N   0   99
LEVELC   MATERIAL ESTIMATE                         N   0   99
MESUM    EQUIPMENT SUMMARY                         N   0   99
MESUMBB  EQUIPMENT SUMMARY BUILDING BLOCKS         N   0   99
BNKQUEST BLANK QUESTIONNAIRE                       N             L
MSKQUEST MASKED BLANK QUESTIONNAIRE                N             L
ANSQUEST UNMASKED ANSWERED QUESTIONNAIRE           N   0   99    N S
ANSQUEST MASKED ANSWERED QUESTIONNAIRE             N   0   99    Y S
MANSQUES MASKED ANSWERED QUESTIONNAIRE             N   0   99    Y S
CWORKSHT QUESTIONNAIRE WORKSHEET                   N   0   99    5A
PRNOTES  PROVISIONING NOTES                        N   0   99
MSGSRPT  PROVISIONING MESSAGES                     N
TRACERPT PROVISIONING TRACE                        N
PSMTABS  PSM TABLE EXPANSION                       N   0   99
GPECREP  GPEC LISTING                              N   0   99
NOTESREP QUESTIONNAIRE NOTES REPORT                N   0   99    Q
NOTESREP EQUIPMENT NOTES REPORT                    N   0   99    E
NOTESREP CHANGE NOTES REPORT                       N   0   99    C
FULEQSUM FULL POSTCI EQUIPMENT SUMMARY             N   0   99
LOCKEDME LOCKED MATERIAL ESTIMATE                  N   0   99
ANALYSIS ANALYSIS REPORT                           N   0   99
EQSUMM   FRAME & SHELF SUMMARY                     N   0   99
FRAMESUM FRAME SUMMARY                             N   0   99
MRLFORM  BCS MRL REPORT                            N   0   99
DNCSPECS DNC SPECIFICATIONS                        N   0   99
DNCABLES DNC SCSI CABLE SPECS                      N   0   99
QUESTLOG QUESTIONNAIRE LOG                         N
PQREPT   PQ IDENTIFICATION REPORT                  N   0   99
VALMEL   MEL VALIDATION REPORT                     N   0   99
SWORDPW2 SOFTWARE ORDER REPORT                     N
NDBANNER NORTEL DIRECT JOB                         N
RUSSPARE RUS SPARES REPORT                         N   0   99


    1=HELP   2=?   3=QUIT         7=UP   8=DOWN   9=CLOSE          12=RUN
```

Note: Only one section can be requested at a time.

Step 6

Press <ENTER> or <PF12> to generate the report.

Parameters used to print

The parameters used to print individual sections of the NT-ACCESS online questionnaire vary depending on the type of report being generated. Refer to <PF2>, ?, (help) for valid entries.

PAQS100 Report menu fields

The PAQS100 Report menu fields are defined as follows:

- JOBNAME
  - — indicates the name of the PAQS job
- ALT MEREP Y/N?
  - — Allows user to specify a preference of an alternate MEREP/MEREPBB report that has the equipment notes at the top and has column headers at each PQ rather than just at the top of each page
- CLLI
  - — Indicates the CLLI code entered in the questionnaire
- MENU
  - — indicates the name of the PAQSMENU file to be used
- TITLEPAGE
  - — determines whether or not to print the title page
    - – Enter > **Y** or > **N** to print or not print the title page; the default is > **N**.
- LINES/PAGE
  - — specifies the number of lines per page, with default 64
- REPORT DESTINATION (six report destination choices)
  - — TERMINAL views the report on the terminal screen.
  - — RPTMGR displays the default destination report on the terminal screen to browse, print, or download; fields and PF keys that are used in RPTMGR are as follows:
  - — EMAIL sends reports to an address that is specified when this option is selected
  - — **PRINTER** sends the report to the printer identified for the user's machine, and optionally to Disk, if A-disk is set to Y in the Printer sub-menu.
  - — **FILE** sends the report to a file on the user's machine.

— **SIMPC** sends the report to the printer attached to the user's PC if the PAQS system is being accessed using he dial-up modem program SIMPC (only if using SIM3278).

- PAGE FOOTERS Y/N?
  - — Allows user to specify whether or not to add a footer to each page
    - – The system default is > **Y**, indicating that the reports will have a footer on each page
    - – Type > **N to turn footers off**. This is useful when emailing reports.
- REPORT
  - — displays the name of the report
- DESCRIPTION
  - — displays the description of the report
- RUN
  - — determines whether or not the report is generated
    - – The system default is > **N**, indicating that the report is not generated.
    - – Type > **Y** in these fields to run the required reports.
- OPTIONS
  - — specifies a range of options for the report
    - – To print a report for options 0, 1, 2, and 3, put a > **0** in the first column and a > **3** in the last column.
- PARAMETERS
  - — vary depending on the type of report being generated. Refer to <PF2>, ?, (help) for valid entries

PAQS100 Report menu PF keys

The PAQS100 Report menu PF keys are defined as follows:

- PF1 = HELP
  - — invokes the online help facility
- PF2 = ?
  - — displays individual help for the report pointed to by the cursor
- PF3 = QUIT
  - — exits and returns to the main menu
- PF7 = UP
  - — scrolls backward one screen

- PF8 = DOWN
  - — scrolls forward one screen
- PF9 = CLOSE
  - — closes the offline printer
- PF12 = RUN
  - — runs the reports pointed to by the cursor

How to print a material list with specified PEC qualifiers

To request and print an Equipment Breakdown (MEREP) report containing only specified PEC qualifiers (PQ), perform the following steps:

1 Perform Steps 1–4 of “How to print sections of the NT-ACCESS questionnaire” on page 2-90.

2 Specify the required PQ or partial PQ under the parameter column of the MEREP report. The @ symbol must be used preceding the PQ. For example, > **@SWA0** selects all of the software feature packages and presents them in the MEREP report. > **@SW** selects all of the software feature and software master packages and presents them in the MEREP report. For a complete list of all valid PQs and their description, generate the PQREPT Report from the NT-ACCESS Report Menu. Refer to the section “How to generate reports” in this section for detailed instructions on how to generating reports.

3 Press <ENTER> or <PF12> to generate the report.

List of NT-ACCESS reports

The reports that are generated from NT-ACCESS fall in two specific categories: engineering reports and pricing reports. Shown below is a listing of the engineering reports that are available through PAQS100. Each report is supplied with a brief description. Pricing reports are provided per individual customer contract agreements. All NT-ACCESS reports are viewed online (terminal) or are sent to a printer destination. The destination default is the report manager (RPTMGR).

Equipment Summary (MESUM)

This report provides an equipment summary report. The format of this eport is divided by hardware, software, and spares. The length of this report is dependent on the size of the office that was created. Usually, this report is short and is printed on a local or slave printer. This report is available for Host, Remote, DNC and NAV offices.

Frame & Shelf Summary (EQSUMM)

This report provides a list of only the frames and shelves in an office. The report is short and is printed on a local or slave printer. This report is available for Host and Remote offices.

Equipment Breakdown (MEREP)

This report provides a detailed equipment list. The report contains values for both existing and provisioned equipment quantities. This report is usually short and is printed on a local or slave printer. This report is available for Host, Remote, DNC and NAV offices.

Equipment Breakdown (MEREPBB)

This report provides a detailed equipment list. The report contains values for both existing and provisioned equipment quantities and also provides an explosion of NTZZ PECs. This report is usually short and is printed on a local or slave printer. This report is available for Host, Remote, DNC and NAV offices.

Constrained Equipment (CONSEQPT)

This report provides a list of constrained equipment. This report is available for Host, Remote, DNC and NAV offices.

Locked Material Estimate (LOCKEDME)

This report provides an equipment list per locked issue. Deltas are provided between the various locked issues. This allows a time stamp to be applied to equipment quantities to track changes. Subsequent equipment changes are reflected as delta quantities. This report is available for Host, Remote, DNC and NAV offices.

Provisioning Notes (PRNOTES)

This report provides a summary of the provisioning calculations for host or remote offices. The report is short and is printed on a local or slave printer. This report is available for Host, Remote and NAV offices.

Questionnaire Worksheet (CWORKSHT)

This report is a variation of the masked answered questionnaire provided in an 80-character format. The report provides only questions that are viewed during the online session; for example, with the mask on, only viewable questions are included. The intended purpose of the report is to provide a tailored, job-specific worksheet for gathering required job parameters prior to beginning the actual online session. Maximum benefits are achieved only when used in conjunction with custom masking.

The report content is dynamic in nature and contains no per page footer information or page numbering. In addition to minimized printing time, this structure simplifies downloading to another system for inclusion in other documents. This report is available for Host, Remote, DNC and NAV offices.

Blank Questionnaire (BNKQUEST)

This report provides all of the questions that are included in the host, remote, DNC and NAV order capture document (also referred to as the NT8630/NT8603/NT9630 document). The report is very lengthy (25,000 to 30,000 records) and should only be printed on a high speed printer. This report is available for Host, Remote, DNC and NAV offices.

Masked Blank Questionnaire (MSKQUEST)

This report is based on the masked viewable questions in the answer file. A report is generated that is identical to the NT8630/NT8603/NT9603 blank questionnaire except that only viewable questions are shown. The report is very lengthy and should only be printed on a high speed printer. This report is available for Host, Remote, DNC and NAV offices.

Masked/Unmasked Answered Questionnaire (ANSQUEST)

This report provides the questions and masked answers from the questionnaire. Specific parameters are set to compress, > **C**, the text (for example, remove all blank lines), report questions without extended text, > **S**, or report questions with extended text, > **L**. The mask affects the answers and makes them viewable or non-viewable. The default is non-viewable, > **Y**. To change this default, answer > **Y** for only viewable questions, > **S** for only non-viewable results, and > **N** for viewable and non-viewable questions. Depending on the size of the answered questionnaire, this report is usually very lengthy and should only be printed on a high speed printer. This report is available for Host, Remote, DNC and NAV offices.

Job Messages (MSGSRPT)

During a provisioning run, the system generates messages (for example, warnings), defining the status of provisioning. These messages may be reproduced as a report. The report is very short and is printed on a local or slave printer.. This report is available for Host, Remote, DNC and NAV offices.

Job Trace (TRACERPT)

This report provides a history file containing the various system messages generated during the provisioning process. The report is very short and is printed on a local or slave printer. This report is available for Host, Remote, DNC and NAV offices.

Analysis Report

This report provides basic office overview, switch analysis, and capacity information relating to various components of the switch. It is not a complete report for all traffic-sensitive components, but will be developed further with each release of NT-ACCESS until it is complete. This report is available for Host, Remote and NAV offices.

GPEC Listing (GPECREP)

This report supports the IMPROV function. It provides a view of provisioning results and the GPEC level. The column format is like that of the equipment breakdown (MEREP) containing values for existing as well as added quantities. This report is available for Host, Remote, and NAV offices.

PSM Table Expansion Report (PSMTABS)

This report supports the IMPROV function. It provides a hard copy of the individual PSM inputs and outputs. This report is useful during analysis of provisioning results.

The full report of all PSMs is quite large and should be printed only to a high speed printer. In most cases, only a portion of the full report is required. Individual sections are printed as required. For example, to analyze the input and output criteria associated with memory provisioning; specify the full PSM name in the parameters area of the report menu screen. The system report contains only the information about the PSM that is the information pertaining to memory.

PSM names are in the format of JCCPPPPP, where J is the job type (H for host, R for remote), CC is the CM where the PSM belongs, PPPPP is the identifier of the individual PSM. This report is available for Host, Remote and NAV offices.

Full POSTCI Equipment Summary (FULEQSUM)

This command generates an equipment report that reflects all the changes to the equipment in the job during its entire life, up to and including specified changes. This report is available for Host, Remote, DNC and NAV offices.

Price Verification Report (PRVERRPT)

This report provides the questionnaire answers for pricing mask questions. This report is available for Host, Remote, DNC and NAV offices.

Complete Questionnaire (ALLQST)

This report provides a complete questionnaire with both answered and unanswered questions. The report is very lengthy and should only be printed on a high speed printer. This report is available for Host, Remote, DNC and NAV offices.

Equipment Notes Report (NOTERPT)

This comprehensive report provides all notes associated with specific PECs. This report is available for Host, Remote, DNC and NAV offices.

Questionnaire Notes Report (NOTESREP)

This comprehensive report provides all notes associated with specific questions in the questionnaire. This report is available for Host, Remote, DNC and NAV offices.

Questionnaire Log of Changes (QUESTLOG)

This report comprises all questions that are modified after the initial questionnaire answer session. Questions answered during the initial session are not captured on this report. After > **LOCK FINAL** is executed, the QUESTLOG file is purged and the report is no longer available, with the exception of change orders.

The fields displayed on the report are defined as follows:

- Question ID represents the question number.
- Row represents the row number for table entries.
- Column represents the column position for table entries.
- Option represents the option number in effect.
- Type may be one of the following:
  - K represents that the change was made through keyboard input.
  - M represents that the change was made by application of a mask.
- Date represents the calendar date of the change.
- Time represents the time of day of the change.
- New Answer represents that the answer is new and not a change. Only the first 17 characters of the answer are displayed. This report is available for Host, Remote, DNC and NAV offices.

Validated Equipment Reprt (VALMEL)

VALMEL is a replacement for MDREPORT. It validates the MEL prior to locking by checking for:

- Valid part number
- MD Status
- RTS date
- VO/Ramp Status

This is invoked during the ‘LOCK FINAL’ and the ENGEDIT file creation process, aborting if any parts do not meet the criteria. Long lead time parts will be flagged, but the job will still be locked. A report can also be generated from the REPORTS menu or by typing ‘VALMEL’ at the PAQS prompt.

Nortel Direct Job (NDBANNER)

This report creates a banner page to indicate a Nortel Direct job.

PQ Identification (PQREPT)

This report provides a listing of all PEC Qualifiers along with their description.

System Bulletins

The bulletin menu item is used to provide information regarding new developments, features, and fixes that are in the system. This menu item is not supported in the operating company environment because all of the information on system and product development is included in the News Bulletin facility on the main menu.

NTAJM – interface to the Job Maintenance facility

Job Maintenance provides long-term storage for jobs and allows controlled job transfer between userID and userID groups. Disk space is optimized by storing jobs that do not require daily activity in the Job Maintenance system. These jobs may then be removed from the disk. Stored jobs may be retrieved when required and purged if no longer needed.

Detailed instructions for using this function are in Chapter 5, “Job Maintenance System,” in this document.

CPRQ - Critical Pricing Questions

The Critical Pricing Questions have been defined by Order Management specialists for Host, Remote, and NAV products.

SOLID - interface to SOLID

SOLID is an enhancement made to NT-ACCESS for provisioning of software features in support of DMS evolution. SOLID is the database that contains all the software ordering information for Nortel Networks.

The purpose of this section is to describe the planning and ordering of Product Computing-Module Loads (PCLs) / Non Common Software (NCLs) through the PAQS/SOLID Interface (Item 11 within PAQS). It is important to note all DSME Planning/Ordering/Quotations must use this interface for all Initials and Extensions planning to ensure the proper software rules and existing site specific data is to be used. All extension site software planning will be required to use the PAQS to SOLID Interface to retrieve the existing software data for an office. Minor modifications were pending at the time of the writing of this user's guide. Please refer to the system bulletins for the latest information on this feature.

Note: All DMSE software ordering or planning will require all users to use this interface. It is important to note the correct CLLI code is verified in question 1A5.4 in the Host Questionnaire and the PAQS to SOLID Interactive Menu prior to the start of any software planning. Software Table 2A16 of the questionnaire will no longer be used.

Methods of Access

From within an NT-ACCESS job, Select Provisioning then select item 11.

PAQS/SOLID Interface Menu

Figure 2-36
PAQS/SOLID Interface Menu

```
            ***********************************************
          *****         PAQS-SOLID INTERFACE MENU        *****
            ***********************************************

   Jobname:  TEST                      OPTION:  0  BASE 0
   CLLI   :  HGJHGJGJHGX
  USER ID :
  PASSWORD:

        Select an item number:

               >>  1) Office Load Info
               >>  2) Scheduling Privileges
               >>  3) Package/Order Info
               >>  4) Create Temp Load ID
               >>  5) Create Temp CLLI
               >>  6) Mask Filename Input Screen
               >>  7) Browse Log  - PF1=Help PF3=Quit PF7/8=WD/FWD



 ====>

PF1=HLP   PF2=FAQ    PF3=EXIT   PF9=PRT LOG  PF10=PRT S/W   PF12=SEL
PF16=QUOTE Initial   PF17=QUOTE Extension    PF18=QUOTE NON-CM
```

The screen contains the NT-ACCESS jobname, and office CLLI's along with item selections (1-7).

The PAQS-SOLID Interface menu items can be selected either by entering the item number on the command line and pressing "ENTER" or tabbing the cursor to the line item and pressing PF12.

1 Office Load Information

— The Office Load Information screen allows the user to review various aspects of software loads in the office. Office loads are provided and built to customer sites based on a concept of "Load IDs". Load IDs are used at Nortel Networks to track any load along with its specific characteristics (refer to Figure 2-38).

2 Scheduling Privileges

— The Scheduling Privileges screen displays various Load IDs in the office and also allows the user to schedule and/or reschedule software loads. (INTERNAL USE ONLY)

3 Package/Order Information

— The Package/Order Information screen enables the user to view information on software packages (refer to Figure 2-40).

4 Create Temporary Load ID

— The New (Temp) load screen allows the user to create a temporary load ID (refer to Figure 2-37). (INTERNAL USE ONLY).

5 Create Temporary CLLI

— Creates a temporary CLLI CODE for system use. (INTERNAL USE ONLY)

6 Masking Filename Input Screen

— This menu item provides the ability to apply software masks to the SOFTWARE ORDER DISPLAY table. This screen allows the user to input up to a maximum of three masks. Masking of software features can only be done through the use of this input screen. This feature will automatically be provided for the use of planning or quotations.

7 Browse Log

— The NT-ACCESS Diagnostics/Log File contains all information and error messages generated while using the PAQS to SOLID Interface. See help facilities within this menu to view PF key information (i.e. PF3=QUIT).

The PAQS/SOLID Interface menu PF keys are defined as follows:

- PF1 = HELP

  — Help screen on using the menu.

- PF2 = FAQ

  — Frequently asked questions about SOLID

- PF3 = EXIT

  — Exits user out of PAQS-SOLID and back to the NT-ACCESS job menu.

- PF9 = PRINT LOG

  — Prints Diagnostics/Log file.

- PF10 = PRT S/W

  — Print all the Packages and Features in all the Office Target groups

- PF12 = SEL

  — Used to select a menu item with the use of a cursor.

- PF16 = QUOTE Initial

  — This PF Key provides for the ability to plan an Initial Office for a DSME software load. This menu Item updates the SOFTWARE ORDER DISPLAY table with the user requested software configuration. Masking facilities will be provided as well as the capability to use an existing site as a basis for a new site. The user will

be required to ensure the correct CLLI_CODE for which the software will be based (Question ID 1A5.4) and within the PAQS-SOLID MAIN MENU is used. In addition, question 2A1.1.2 for ordering method is required to be answered.

- PF17 = QUOTE Extension

  — This PF Key provides for the ability to plan an extension for a DSME software load. This item updates the SOFTWARE ORDER DISPLAY table with the latest software view on order and provides the ability to update the current view or plan for future loads. The user should ensure the correct CLLI_CODE is used in answer to question ID 1A5.4 prior to the start of the planning. Masking Facilities will be provided to allow the user to use a preset software list. In addition, question 2A1.1.2 for ordering method is required to be answered.

- PF18 = QUOTE NON-CM

  — This menu Item provides the user the ability to plan for NON COMMON LOAD software requirements (NCLs). In most cases NCL's are required based on the PCL or other application required (i.e. Network Application Vehicle (NAV)).

  Note: Please review the on-line system messages during the provisioning process of the PCL for the type of NCL's to be ordered.

Create Temporary Load Screen

The "Create Temporary Load ID" menu screen is used to create a system software load and is shown in 2-37.

Figure 2-37
Create Temporary Load Screen

```
          ***********************************************
        *****            NEW (TEMP) LOAD              *****
          ***********************************************

Jobname:  TEST                                CLLI   :  _PROV011840

             System :     DMS
       Product Name :     PCL
       Target Group :     1
    Product Version :     LEC00017
      Target Family :     SNSE88K
   Processor Option :     BASE0010
 Application Method :     NAP
       Load Purpose :     PINIT
      Resp Location :     RTP
 Engineering Region :     RP
Application Country :     USA
   Application Date :     20031212
               Coeo :     TEST
          Sub Order :     00


      PF1=HELP/VALID  PF3=QUIT  ENTER=PROCESS
```

The screen is comprised of the NT-Access jobname, the office CLLI, and the necessary input fields required to create a planning or actual load.

The screen displayed shows an example of input for an initial PCL. For input of an NCL press PF1 for each line item (i.e. system, product name, etc.).

This screen will automatically be displayed for those users performing planning when entering either PF16, PF17, or PF18.

- System
  - — The System the software applies. (i.e. DMS)
- Product Name
  - — The software product of the load (PCL or NCL).
- Target Group
  - — Each product or hardware that requires software must be uniquely identified. The “DMS” system is generally target group 1. Non-CM (NCLs) systems are assigned the next highest available number. Enter PF1 to display the existing target groups.
- Product Version
  - — The PCL order code for the particular PCL/NCL that is existing or planned for the office. The available orderable Product Version’s can be viewed by placing the cursor on the field and pressing the “Valid

Values" PF key (PF1). To select the appropriate product version tab to the selected item and press PF12.

- Processor Option
  - This is the actual processor software for a specific office that is existing or planned for the office. The valid Processor Options for a particular PCL can be viewed by using the HELP/VALID key (PF1).
- Application Method
  - This is the type of application method required. It is generally "ONP" (one night process) for PCL extension. For PINIT initial RTP loads this value is "NAP" for not applicable. For NCL this value is NAP. Press PF1 for further information.
- Load Purpose
  - "PCL" for PCL loads or PINIT for initial PCL loads and NCL for non-CM loads. Press PF1 for further information.
- Resp. Location
  - Location responsible for building the load. (Default is "RTP")
- Engineering Region
  - An optional field indicating the engineering region. (No required input)
- Application Date
  - Planned date of the software load delivery.

The Create Temporary Load Screen PF keys are described as follows:

- PF1 = HELP, HELP/VALID function
  - For review of content for any of the items simply place your cursor on the item and press PF1 for the valid selection.
- PF3 = QUIT
  - Quit and return to the Main Menu.

Office Load Information Screen

Figure 2-38
Office Load Information Screen

```
*********************************************
*****         OFFICE LOAD INFORMATION          *****
*********************************************

Jobname:  TEST                      OPTION:  0  BASE 0
CLLI   :  _PROV011840    ' '


TARGETGROUP:1  SYSTEM:DMS  TARGET FAMILY:SN68K

LOADID FL PURPOSE VL STAT APPLIC   LOCK      PROD_NAM  PROD_VER  PROCESSOR
------ -- ------- ------- -------- --------  --------- --------- ---------
497137    PINIT   NO TEMP 20031212           PCL       LEC00017  BASE0010




====>
PF1=HELP      PF3=QUIT      PF5=S/W ORD  PF7=BWD PF9=LD_INFO PF11=LCK/UNLK
PF2=ECPY/APLY PF4=LNK/UNLNK PF6=SUB/VER  PF8=FWD PF10=DEL_LD PF12=LD_STAT
```

The office Load Information Screen is used to view information on all loads in the office.. This screen will be provided automatically for planning and quotations.
The screen contains the NT-ACCESS jobname the office CLLI with a brief description of the office, and a listing of all the loads in the office.

The loads are categorized by Target Group. A target group is a system identifier. The software loads are grouped according to target group. Each target group is displayed by showing it's specific target group number in the office followed by the hardware system and processor the target group applies to.
The loads within each Target Group are defined in the following manner:

- LOADID
  - — The load identification number of the software load. Load ID's are used to build and track loads to site.
- FL
  - — In the Function Load column (FL), EC would display when an ECOPY is run successfully on a loadid in a target group. AP would display when an apply is run on a loadid and EA would display when an ECOPY and apply is run on a loadid. If the column is blank, no action has been taken on this load and no data can be viewed using PF5.

- PURPOSE
  - — Type of load to be built.
- VL STAT
  - — The verification status and load status of the load. The values of these statuses and their descriptions are shown in Table 2-3 and Table 2-4.
- APPLIC
  - — Application date of the load.
- LOCK
  - — Lock date of the load. The date after which all load, and option information can no longer be changed.
- PROD_NAM
  - — Product name of the software load which at present is either BCS (old) or PCL/NCL. All new orders are PCL/NCL.
- PROD_VER
  - — Product version of the load. This is either the BCS number (old) or the PCL/NCL code.
- TARGET
  - — The Central Processing Unit the software will be applied to.

Table 2-3
SOLID Validation Status (VStats) Descriptions

Solid Milestones	Status Code	Description
–	NO	Sanity has not been run on load (Either a Verify/Submit has not been run, or a Verify/Submit failed).
LOAD SANITY	S1	Load has passed LOAD SCOPE Intra-dependency Sanity Check.
SANITY/VERIFICATION	SA	Load has passed inter-dependency check with other loads in office/network.
INTERNAL MEMCALC	OK	Memcalc has been performed or not performed for the load.
STARTBUILD	BT	Load has been built by NTI software production personnel.
LOADSHIPPED	SH	Load has been shipped.
APPLICATION	IS	Load is in service.

Sanity checking refers to the use of NTI software rules verification process (i.e. ntx00xx requires ntx01xx).

Table 2-4
CM to PSM expansion – remote office

Load Status	Description
TEMP	A load without a schedule to be used for provisioning by the Internal S.A.E..
PEND	A scheduled load that requires NTI scheduling approval before the load can be upgraded to a firm status.
FIRM	A production load that can be built or shipped to site.

The Office Load Information Screen PF keys are described as follows:

- PF1 = HELP
  - — Help Screen
- PF2 = ECOPY/APPLY
  - — The ECOPY/APPLY function takes all existing software for all loads previous to the one selected, and applies them to the software equipment list and the Software Order Display table as existing.
- PF3 = QUIT
  - — Exits user out of screen.
- PF4 = LNK/UNLNK
  - — If you place the Cursor on a PCL Load and press PF4, SOLID will be asked to check if this is a MASTER LOAD that has links. If it is then an “M” will appear on the left of the screen next to the PCL and an “L” will appear next to its Linked NCL’s. If the PCL has no Links then you will be told that this PCL has no Links. If the Cursor is placed on an NCL and PF4 is pressed. If this NCL is Linked you will be asked if you wish to Delete the Link. If the NCL isn’t Linked then a List of Valid PCL’s will be displayed for you to Select to Link the NCL with.
- PF5 = S/W ORDER
  - — Takes the user to the SOFTWARE ORDER DISPLAY screen. User must place the cursor next to the load they wish to view.
- PF6 = SUB/VER
  - — Submit load to SOLID and verify that it is sane or O.K.
- PF7 = BWD
  - — Move screen backward.

- PF8 = FWD
  - — Move the screen forward.
- PF9 = LOADINFO
  - — Takes user to the DETAIL LOAD INFORMATION screen. (Figure 2-39)
- PF10 = DEL LOAD
  - — Deletes a temporary load. Used if temporary software load is not required and a change of Load Type is needed for an office.
- PF11 = LOCK/UNLOCK
  - — Allows SAE to LOCK or UNLOCK a load. (INTERNAL USE ONLY)
- PF12 = LDSTAT
  - — Takes user to the LOAD STATUS ADJUST screen. Updates load from TEMP to PENDing for CANADIAN market only. (INTERNAL USE ONLY)

Detail Load Information Screen

Figure 2-39
Detail Load Information Screen

```
          ***********************************************
        *****          DETAIL LOAD INFORMATION         *****
          ***********************************************

   Jobname:  TEST       Prod Name:  PCL       Market Div : US
   Load Id:  497137     Version  :  LEC00017  Application:
   Purpose:             System :    DMS       Target:      SN68K
   Base Processor Option: BASE0010

     Order Codes:
     -----------
     OAM00004           'OAM EADAS DC and HW Inv'
     TEL00004           'TEL C7 Routset Increment'




 ====>

PF1=HELP  PF3=QUIT     PF7=BWD  PF12=PRINT REPORT
PF2=Order Code Info    PF8=FWD
```

The DETAIL LOAD INFORMATION screen is used to view information on a specific load in an office. The screen is invoked from the OFFICE LOAD INFORMATION screen by putting the cursor on a specific load ID and pressing PF9.

Information on the specified load is displayed by first showing the NT-ACCESS jobname, the product name which will be PCL/NCL, and the Nortel Networks Market Division. The following line displays the Load ID of the specified load, the product version code which is defined above in the OFFICE LOAD INFORMATION screen and the Application method. The Application method is the way the actual software load is applied to the specified hardware system component in the office. It is usually “ONP” for a PCL load and NAP for an NCL load.

The next set of information displayed on the screen is the load attributes of the load (FIRM and PENDING LOADS ONLY).

The last set of information displayed is the list of actual software options that are in the load. PCLs have orderable options and each load will have some or all of the available options ordered in them.

The Detail Load Information Screen PF keys are described as follows:

- PF1 = HELP
  - — Help screen.
- PF2 = PACKAGE INFO
  - — After the cursor is tabbed to a specified option, pressing this key will take the user to the PACKAGE INFORMATION screen (Figure 2-40).
- PF3 = QUIT
  - — Quits out of the LOAD INFORMATION screen and returns to the PAQS/SOLID main menu.
- PF7 = BWD
  - — Moves the screen backward.
- PF8 = FWD
  - — Moves the screen forward.
- PF12 = PRINT REPORT
  - — Prints report from this screen.

Package/Order Code Information Screen

Figure 2-40
Package/Order Code Information Screen

```
              ***********************************************
            *****      PACKAGE/ORDER CODE INFORMATION      *****
              ***********************************************

ORDER CODE       : TEL00004
SYSTEM TYPE      : DMS               PRODUCT NAME     :  PCL
TARGET PROCESSOR : SN88K             PRODUCT VERSION  :  LET00017
MARKET           : ITL               DETAIL LEVEL     :  A
================================================================================

TITLE  :'DMS-100/200 TOPS Combo for NA017'
STATUS :G3
OPTION :TEL00004



====>

               PF1=HELP      PF3=QUIT      PF7=BWD      PF8=FWD
```

The Software Package/Order Information screen provides the dependency rules for an entire PCL/NCL or for a particular Package/Order code within the PCL/NCL.

This screen can be invoked from the PAQS/SOLID main menu by selecting item 2 or from the DETAIL LOAD INFORMATION screen by placing the cursor on a displayed option and pressing PF2.

- ORDER CODE
  - — NTX or Order code.
- SYSTEM TYPE
  - — The hardware system the package can be applied.
- PRODUCT NAME
  - — Product name for the PCL/NCL.
- TARGET PROCESSOR
  - — Processor type.
- PRODUCT VERSION
  - — Product type for the load. This is the PCL/NCL code.
- MARKET
  - — The market where the specified package will be applied.

- DETAIL LEVEL
  - — The level of detailed information on the package desired by the user. (Detail level A (all) is the default).

The Order Code Information Screen PF keys are described as follows:

- PF1 = HELP
  - — Help Screen.
- PF3 = QUIT
  - — Quits user out of screen.
- PF7 = BWD
  - — Moves the screen backward.
- PF8 = FWD
  - — Moves the screen backward.

Create Temporary CLLI Function (INTERNAL USE ONLY)

The Create Temporary CLLI function is invoked from the PAQS/SOLID Interface main menu by selecting item 4.

Masking Information Screen

Figure 2-41
Masking Information Screen

```
          ***********************************************
        *****            Masking Information          *****
          ***********************************************




1) File Name: ISDN414   File Type: SWMASK     File Mode: *

2) File Name:           File Type:            File Mode: *

3) File Name:           File Type:            File Mode: *


         PF1=HELP/VALID   PF3=SAVE & EXIT   PF8=RESET
```

The Masking Information Screen allows the user to input up to a maximum of three software masks. This menu will be automatically provided for planning or quotation purposes.

- PF1 = HELP
  - — Help Screen

- PF3 = EXIT
  - — Exits user out of screen.
- PF8 = RESET
  - — Deletes masking information screen. **WARNING:** previously applied masks will not be removed.

Browse Diagnostic/Log File Screen

The Browse Diagnostics/Log File is shown in Figure 2-42 and is invoked from the PAQS/SOLID screen by selecting item 6. This screen is used to look at all the error messages that occurred during the provisioning on an NT-ACCESS site.

Figure 2-42
Diagnostic/Log Screen

```
 S$ST     PAQSFILE A1  V 132           4 BLKS 03/08/01 LINE     165 OF     225
 ===>                                                              BROWSE
Processing installed base of load 497157{1|1|1}
<120917150>  *** SOLID Data being applied ***
{20030801} Starting VERIFY/SUBMIT
*** Processing Solid Load 497157/1 :LET00017

OAM00004 has been provisioned as part of a complex rule
that PCLs at 06 or higher require OAM00004.
NOTE: There is no charge for this package.

Sending delta info to SOLID.

OAM00004+
<120943630>  1 requests sent.
<120945200>  Delta Request Completed
<120945330>  Requesting VERIFY/SUBMIT run from SOLID
<120953490>  Returning from SOLID
Processing SOLID results of SUB/VER on  497157   1
Status of VERIFY/SUBMIT for 497157 is NO
Verify/Submit won't need to be run again if time-stamp= 20030801120537
'No Options with Hold Status.'
'* indicates hardware requirements for non-optional functions will'
'be rolled up to the optional/non-optional functional group parent.'
Option BAS00003:
NT4K57AA
Option BAS00003:
' AND NT6X21AD'
Option BAS00003:
' AND NT6X51AA'
Option BAS00003:
' AND NT6X51AB'
Option BAS00003:
' AND NTAX78AB'
Option SMA00007:
NT0X50AA
Option SMA00007:
' AND NTAX74AA'
Option SMA00007:
' AND NTBX01BA'
Option SMA00007:
' AND (NT2X70AF'
```

Although not shown on the bottom of the screen the PF7 is used to move backward and the PF8 to move forward. To quit out of the file PF3 is used.

If the user needs a hard copy of these messages, it can be obtained by printing out the messages report. This is done by going to the PAQS–SOLID main menu and pressing PF9.

Software Order Display Screen

The purpose of the new Software Order Display table is to allow users to view the structure of the PCL/NCL in terms of Functional Groups (FG), Functions (FN), and NTX codes. There are three different Software Order Displays. The display depends on the type of load the user wishes to view.

The first display is the Basic Display which is shown in Figure 2-43. This view is common for both SOC and Third Party Vendor. This is the display the user will see when they first view the load. The second and third views are the SOC and Third Party Vendor (Non–CM) dsiplays. These displays can be seen by pressing PF9 (EXPAND) from the Basic Display.

Figure 2-43
Software Order Display (Basic Display)

```
                          SOFTWARE ORDER INPUT

JOBNAME: TEST     COEO: H99999    Target Group: 1  Product Ver: LET00017
OPTION: 0  BASE 0   DESC: 'DMS-100/200 TOPS Com    Order All:
+-------------------------------------------------------------------------------+
|    |                |   |                                                     |
|Row |    Function    |Pvd|                    Description                      |
+-------------------------------------------------------------------------------+
 1    ABS00101         N*  ABS Alternate Billing Ser
 2    ACD00001         N   ACD ACD Base
 3    ->ACD00005       N   ACD MIS
 4    ->ACD00006       N   ACD Miscellaneous
 5    ->ACD00011       N   ACD Routing Enh.
 6    ->ACD00016       N   ACD Group Increase
 7    ->ACD00017       N   ACD Agent Increase
 8    ->ACD00020       N   ACD Enhanced  Walkaway
 9    ->ACD00081       N   ACD Increase Suplimentar
 10   ->ACD00082       N   ACD Not Ready on SDN Enha
 11   ACD00002         N   ACD Compucall
 12   ->ACD00007       N   ACD Compucall-Func
 13   ->ACD00008       N   ACD Ctrx Coord V&Dta
 14   ->ACD00013       N   ACD CompuCALL SCallCtrl
 15   ->ACD00014       N   ACD CompuCALL RSBBScr
 16   ACD00004         N   ACD Networking
 17   ->ACD00009       N   ACD Network ACD on SS7
 18   ->ACD00010       N   ACD Network ACD on PRI
.
.
.

 26   AIN00010         N*  AIN Default Routing
 27   AIN00011         N   AIN SSP Svcs Enhcemnts
 28   AIN00015         N   AIN Ntwk Srvcs Enhncmnts
 29   ->AIN00027       N   AIN Office Trigger Flex
 30   AIN00018         N*  AIN ACB/AR Premium
 31   AIN00022         N   AIN Maint Enhancements
 32   AIN00060         N   AIN DCR Interworking
 33   AIN00210         N*  AIN Service Enablers
==>
1=HELP 2=REFRESH 3=EXIT 4=UNDO 5=SAVE 7=UP 8=DWN 9=EXPAND 10=PRINT 11=SHOW_Y
```

Figure 2-44 shows the layout of the SOC display. The screen contains four additional columns which deal specifically with SOC data.

Figure 2-44
Software Order Display Screen (SOC)

```
                          SOFTWARE ORDER INPUT

JOBNAME: TEST     COEO: H99999    Target Group: 1  Product Ver: LET00017
OPTION: 0  BASE 0   DESC: 'DMS-100/200 TOPS Com    Order All:
+-------------------------------------------------------------------------------+
|    |                |   |       SOC Usage          |                         |
|Row |    Function    |Pvd|OT|LT| LValue   |  Units   |      Description        |
+-------------------------------------------------------------------------------+
 1    ABS00101         N*                               ABS Alternate Billing Se
 2    ACD00001         N                                ACD ACD Base
 3    ->ACD00005       N                                ACD MIS
 4    ->ACD00006       N                                ACD Miscellaneous
 5    ->ACD00011       N                                ACD Routing Enh.
 6    ->ACD00016       N                                ACD Group Increase
 7    ->ACD00017       N                                ACD Agent Increase
 8    ->ACD00020       N                                ACD Enhanced  Walkaway
 9    ->ACD00081       N                                ACD Increase Suplimentar
 10   ->ACD00082       N                                ACD Not Ready on SDN Enh
 11   ACD00002         N                                ACD Compucall
 12   ->ACD00007       N                                ACD Compucall-Func
 13   ->ACD00008       N                                ACD Ctrx Coord V&Dta
 14   ->ACD00013       N                                ACD CompuCALL SCallCtrl
 15   ->ACD00014       N                                ACD CompuCALL RSBBScr
 16   ACD00004         N                                ACD Networking
 17   ->ACD00009       N                                ACD Network ACD on SS7
 18   ->ACD00010       N                                ACD Network ACD on PRI
.
.
.
 26   AIN00010         N*                               AIN Default Routing
 27   AIN00011         N                                AIN SSP Svcs Enhcemnts
 28   AIN00015         N                                AIN Ntwk Srvcs Enhncmnts
 29   ->AIN00027       N                                AIN Office Trigger Flex
 30   AIN00018         N*                               AIN ACB/AR Premium
 31   AIN00022         N                                AIN Maint Enhancements
 32   AIN00060         N                                AIN DCR Interworking
 33   AIN00210         N*                               AIN Service Enablers
==>
1=HELP 2=REFRESH 3=EXIT 4=UNDO 5=SAVE 7=UP 8=DWN 9=COMPRESS 10=PRINT 11=SHOW_Y
```

Figure 2-45 shows the layout of the Non–CM display. This display provides two additional fields. These fields are specifically for Non–CM, Third Party Vendors.

Figure 2-45
Software Order Display Screen (Non–CM, Third Party Vendors)

```
                          SOFTWARE ORDER INPUT

JOBNAME: TEST     COEO: H99999    Target Group: 2  Product Ver: UASA0004
OPTION: 0  BASE 0   DESC: 'UAS Rel 4.0 for SN r    Order All:
+-------------------------------------------------------------------------------+
|    |                |   |    3rd Party Software         |                     |
|Row |    Function    |Pvd| Tot | Add | Exst| Vendor-Name |    Description     |
+-------------------------------------------------------------------------------+
 1    UASB0001         Y#    \           \                 UASB UAS Base Softwa
 2    UASB0002         N     0     0     0   'MICROSOFT CO UASB 3rd party MS NT
 3    UASB0003         N     0     0     0   'MICROSOFT CO UASB 3rdpty MS UNIX
 4    UASB0004         N     0     0     0   'IONA TECHNOL UASB 3rdparty Orbix
 5    UASB0006         N     0     0     0   'SNMP RESEARC UASB 3rdpty SNMPRI E
 6    UASB0008         N     0     0     0   'SYMANTEC COR UASB 3rdparty pcAnyw
 7    UASB0009         N     0     0     0   'SYMANTEC COR UASB 3rd party GDISK
 8    UASB0010         N     0     0     0   'MICROSOFT CO UASB 3rd party MS DO
 9    UASB0011         N     0     0     0   'Goahead Soft UASB 3rdPty GoAhead
 10   UASF0001         N     \           \                 UASF Announcement Fe
 11   UASF0002         N     \           \                 UASF Conferencing Fe
 12   UASR0001         N     0     0     0   'NORTEL TECHN UASR RightToUse Anno
 13   UASR0002         N     0     0     0   'NORTEL TECHN UASR RightToUse Conf
 14
 15
 16
 17
 18
.
.
.
 28
 29
 30
 31
 32
 33
==>
1=HELP 2=REFRESH 3=EXIT 4=UNDO 5=SAVE 7=UP 8=DWN 9=COMPRESS 10=PRINT 11=SHOW_Y
```

The only field that the user inputs into the Software Order Display screen is the Provide (PVD) column. The values displayed in the PVD field are as follows:

Table 2-5
PVD Column in Software Order Display Screen

PVD	Description
N**	PCL/NCL
Y	Yes, Order
N	No, Do Not Order
Note: # Indicates not Changeable by user, * Indicates SOC option put in by system	
—continued—	

Table 2-5
PVD Column in Software Order Display Screen (continued)

PVD	Description
E	Existing in Previous Loads
R	Remove from Current Load
M	From Master Package
A	Auto Provisioned from Dependencies Verification
S	From Software Check Verification
–	FG/FN for DISPLAY ONLY" when NTX job and FG/FN have NTX codes
Y#	Non Orderable FG or Processor – Always Provided
E#	Non Orderable Exists FG
–#	Non Orderable FG/FN for display only when NTX job and FG/FN have NTX codes
Y*	Yes, Order SOC Option
N*	No, Do Not Order SOC Option
Note: # Indicates not Changeable by user, * Indicates SOC option put in by system	
—end—	

The user changes only a N/N* to a Y/Y* or an E to an R. All the remaining values are populated by the NT-ACCESS system. The # sign indicates that the value is not changeable by the user. The interaction of changes that occur when a user inputs a value in field PVD is only done on EXITING the screen. The user must therefore make all changes then enter PF3 to exit and PF5 to return back into the Software Order Display screen to display.

This table is populated when the ECOPY and APPLY functions are used from the OFFICE LOAD INFORMATION screen. The user should not add any additional order codes to the Software Order Display.

Processor Option

For pure DMSE jobs only, the processor selected in the Create Temporary Load Screen is put into the Software Order Display with a Y# in the PVD field, if the product name is PCL and the load purpose is PINIT, or if the previous load has a different processor. The processor is also put into the equipment list as NTADD or exist.

The Software Order Display Screen PF keys are described as follows:

- PF1 = HELP
  - — Help Screen.
- PF2 = REFRESH
  - — Regenerates the display so that all effects of changes are shown.
- PF3 = EXIT
  - — Exits Software Order Display screen and returns to the Load Information screen. All changes are saved..
- PF4 = UNDO
  - — Will revert the display to the last saved image. To save the image, you must EXIT (PF3) or SAVE (PF5).
- PF5 = SAVE
  - — Saves the screen displayed.
- PF7 = UP
  - — Scrolls the screen up.
- PF8 = DOWN
  - — Scrolls the screen down.
- PF9 = COMPRESS/EXPAND
  - — This will allow the user to use two different displays. The Basic Display will be COMPRESSed. It will offer the user the basic information that they will need. The EXPANDed Display will offer two different types of display dependant upon the type of load.
- PF10 = PRINT
  - — This will print the screen image. To print the entire table, option #7 (PRINT SOFTWARE ORDER) of the main menu must be used.

Valid Values Screen

The VALID VALUES screen shown in Figure 2-46 displays valid values that the user can enter into the field that the cursor is placed. See Figure 2-37 (Product Version). The screen is activated by placing the cursor on a field that is enabled to use the VALID VALUES function and pressing PF1.

Figure 2-46
Valid Values Screen

```
          ***********************************************
          *****        VALID PRODUCT CODES           *****
          ***********************************************
CODE      TITLE



 ABSN0002    Advanced Business Services  CM Load APC03
 ABSN0003    Advanced Business Services  CM Load APC004  Japan
 ABSN0004    Advanced Business Services  CM Load APC004 Austral
 ABSN0005    Advanced Business Services  CMLoad APC005 Australi
 ABSN0007    Advanced Business Services CMLoad APC006 Australia
 ABSN0008    Advanced Business Services CMLoad APC006 Jpn-IDC
 ABSN0009    Advanced Business Services CMLoad APC006 Jpn-NTT
 ABSN0010    Advanced Business Services CMLoad APC004 Jpn-NTT
 ABSN0012    CM Load APC007 - Aust & ASEAN
 ABSN0014    CM Load APC008 - Aust & ASEAN
 ABSN0015    CM Load APC008.1 - IDC
 ABSN0016    CM Load APC008 - NTT
 ABSN0017    CM Load APC009 - Aust & ASEAN
 ABSN0018    CM Load APC009 - Japan
 ABSN0019    CM Load APC009.1 -  C&W CALA
 ABSN0020    CM Load APC010 - Asia Pacific & CALA
 ABSN0021    CM Load APC010 - Japan
 ATV0B001    CDN DMS-100/200 AUTOVON Combo
 ATV0B002    CDN DMS-100/200 AUTOVON Combo
 CDN00002    CDN Standalone DMS-100/200
 CDN00003    CDN Standalone DMS-100/200
 CDN0A005    CDN DMS-100/200 GSF Standalone
 CDN0B004    CDN DMS-100/200 Standalone
 CDN0B005    CDN DMS-100/200 Standalone
 CDN1A005    CDN DMS-100/200 GSF Re-release Standalone
 CTOP0003    TOPS Prod Rls Canada YE94
 DXL00100    Special-see SPECS
 EUR00003    EUR003

  PF3=QUIT   PF7=BACK  PF8=FWD              PF12=SELECT
```

The screen contains information on the valid entries available.

- Input Fields
  - — None.

The VALID VALUES Screen PF keys are described as follows:

- PF3 = QUIT
  - — Quit screen and return to previous screen that user was on.

- F7 = BWD
  - — Moves the screen backward.
- PF8 = FWD
  - — Moves the screen forward.
- PF12 = SELECT
  - — Selects value desired.

LOCK/UNLOCK Screen

- Screen Description
  - — N/A
- Input Fields
  - — N/A
- PF Keys
  - — N/A

DMS-100F Pricing System

What is the DMS-100F Pricing System?

A DMS-100F Pricing sub module (PRISM) of NT-ACCESS is provided. Pricing is obtained by importing calculated equipment and software from the provisioning system to PRISM.

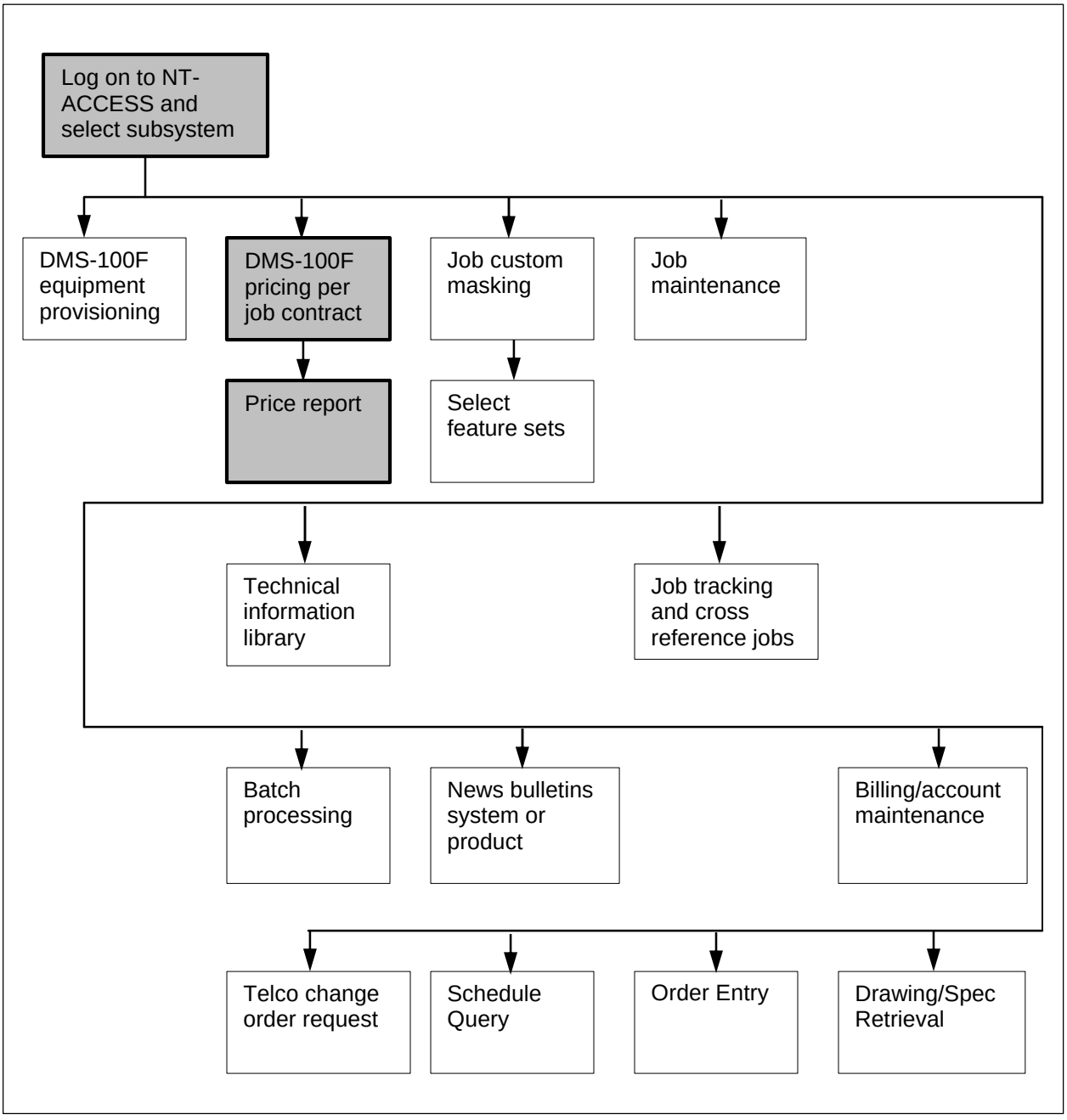
PRISM resides in UNIX, which is outside the mainframe environment. A file is created and batched to the UNIX environment. From this environment, contract specific pricing is executed based on the userID. PRISM also includes special incentive pricing from a corporate level. A mini-pricing questionnaire is presented inside the pricing sub module to capture information on customer specific pricing.

Pricing reports may be viewed and printed. PRISM defines the length of the report in lines after the calculated values are retrieved from PRISM and formats the reports, based on contractual agreements associated with each userID.

> ***Note:*** To ensure that appropriate pricing is calculated for remote offices, be sure to specify the remote type in question 1A1.3. If this question is not answered, the engineering charges calculated will not include all charges actually incurred.

The relationship between DMS-100F Pricing and the NT-ACCESS system is illustrated in Figure 3-1.

Figure 3-1
NT–ACCESS process flow – Provisioning



How to access PRISM

To access PRISM, perform the following steps:

Step 1

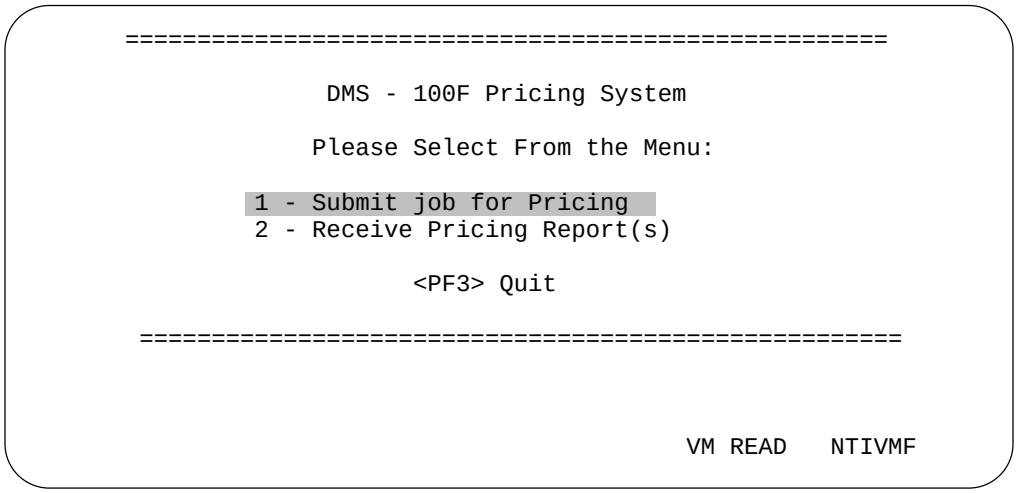
Select DMS-100F Pricing from the NT-ACCESS main menu illustrated in Figure 3-2.

Figure 3-2
NT–ACCESS main menu – DMS–100F Pricing

```
==================================================
                  NORTEL NETWORKS

                N T - A C C E S S
      AUTOMATED PLANNING AND ORDER CAPTURE SYSTEM
                  Release 414

             Please Select From the Menu:

 1 DMS-100F Provisioning      7 News Bulletins
 2 DMS-100F Pricing           8 Billing/Account Maint.
 3 Create a Custom Mask       9 Drawing/Spec Retrieval
 4 Job Maintenance            10 Schedule Query
 5 Technical Info Library     11 Telco Change Order Request
 6 Batch Processing

                     <PF3> Quit
==================================================
```

The DMS-100F Pricing System menu illustrated in Figure 3-3 is presented.

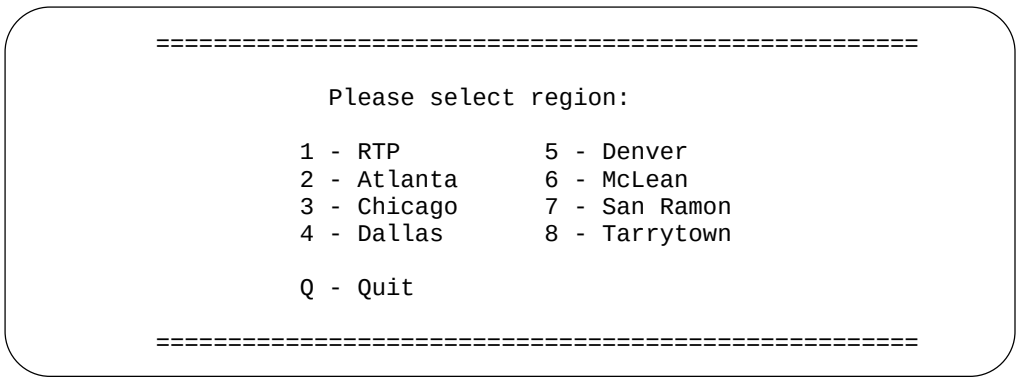
Figure 3-3
DMS–100F Pricing System menu



Step 2

Select menu item 1, Submit job for Pricing. A list of regions will be presented for selection as illustrated in Figure 3-4.

Figure 3-4
DMS–100F Pricing System select region menu



Step 3

Select the appropriate pricing region by number. The following prompt will apprear.

```
Please enter a jobname ('Q' or <PF3> to Quit):
```

Step 4

Enter the jobname at the prompt. If the jobname is invalid or is missing the files necessary to create files to send to PRISM, the system presents the following prompt:

```
<jobname> is not a complete PAQS job. Press <ENTER> to continue.
```

Step 5

Next, you will be prompted with the question:

```
Is <jobname> an RFQ job (Y/N)?
```

If you answer this question ‘NO’, you are returned to the primary NT-Access menu shown in Figure 3-2.

Step 6

Next , you are prompted with the question:

```
What is the job Network Number?
(Press <ENTER> if not applicable.)
```

Step 7

After entering the Network Number, or choosing not to enter one, the Holdco Selection List shown in Figure 3-5 is presented, based on current FORTUNE data.

Figure 3-5
DMS–100F Pricing System Holding Company menu

```
================================================================
           H O L D C O   S E L E C T I O N   L I S T
           ***** Please select a valid HOLDCO ******
================================================================
                ALL ALLTEL
                AMT AMERITECH
                ATT AT & T
                BAT BELL ATLANTIC
                BST BELLSOUTH TELECOM
                CAN CANADA
                CBT CINNCINNATI BELL
                CNB CANADIAN BELL
                COM BELL COMM RES
                CTC CITIZENS TELECOM
                CTY CENTURY TEL
                FED HOLDCO UNKNOWN - CONTACT NT-ACCESS
                GTE GTE
                IEC INDEPENDENT EXCHANGE CARRIER
                IND INDEPENDENT EXCHANGE CARRIER
                INT INTERNATIONAL
                ISP INTERNET SERVICE PROVIDER
                M/S MID SOUTH
                MCI HOLDCO UNKNOWN - CONTACT NT-ACCESS
                NET INTERNET SERVICE PROVIDER
                NTG NORTEL GENERIC CUST
                NTI BELL ATLANTIC
                PAL PALMETTONET
                PTL PACIFIC TELESIS
                RNS RICHARDSON
                RTP RTP
                SBC SO WESTERN BELL COMM
                SPR SPRINT
                TDS TELEPHONE & DATA SYSTEMS
                UNC UNCONSOLIDATED
                USI USINTELCO
                USW USWEST
                WCG HOLDCO UNKNOWN - CONTACT NT-ACCESS
     33 HOLDCOs found.
     TAB to the HOLDCO and press [ENTER] to select.


           F1-Help  F3-Exit ENTER-Select
```

After pressing <enter> to select the desired Holding Company, the user must confirm by pressing <PF12>. After pressing <PF12>, a list of Customer Ids is presented based on current FORTUNE data. See Figure 3-6

Figure 3-6
DMS–100F Pricing System Customer ID Company menu

```
=================================================================
           C U S T I D   S E L E C T I O N   L I S T
           ***** Please select a valid CUSTID ******
=================================================================
                41RD97 ALLTEL (KINI)
                50AD09 ALLTEL - OREGON
                40AD02 ALLTEL ARKANSAS INC
                20AD03 ALLTEL CAROLINA INC
                30AD04 ALLTEL CENTRAL
                20AD06 ALLTEL FLORIDA  INC
                20AD07 ALLTEL GEORGIA INC
                42RD75 ALLTEL KENTUCKY  INC
                20AD09 ALLTEL MISSISSIPPI  INC
                40AD04 ALLTEL MISSOURI  INC.
                10AD06 ALLTEL NEW YORK
                30NE34 ALLTEL OF NEBRASKA
                40TX55 ALLTEL OF TEXAS
                10AD07 ALLTEL OHIO  INC
                40AD06 ALLTEL OKLAHOMA  INC.
                10AD08 ALLTEL PENNSYLVANIA  INC
                20AD10 ALLTEL SOUTH CAROLINA  INC
                20AD02 ALLTEL TENNESSEE  INC
                20AD16 ALLTEL VIRGINIA
                50AD10 ALLTEL WESTERN REGION
                40AR44 BOONE COUNTY TELCO
                50AD01 C P NATIONAL TEL CORP
                20AD14 HEINS TELCO
                50CA38 ROSEVILLE TELCO
                41TX39 SUGAR LAND TELCO
                10AD10 WESTERN RESERVE TELCO









    26 CUSTIDs found.
    TAB to the CUSTID and press [ENTER] to select.


                  F1-Help  F3-Exit ENTER-Select
```

After pressing <enter> to select the desired Customer ID, the user must confirm by pressing <PF12>. After pressing <PF12>, a summary of the selected Holding Company and Customer Id is presented for confirmation as shown in Figure 3-7.

Figure 3-7
DMS–100F Pricing System Selection Summary

```
Holdco Code:   ALL
Company Name:  ALLTEL
Cust Number:   41RD97
Cust Name:     ALLTEL (KINI)

Press <ENTER> to continue, Q to QUIT.
```

The pricing system may require the user to answer a few pricing-specific questions that relate to individual holding company agreements. These pricing-specific questions are referred to as the Mini-Pricing Questionnaire. If a Mini-Pricing Questionnaire is required, it will be presented at this point . Figure 3-8 illustrates a sample Mini-Pricing Questionnaire.

Figure 3-8
DMS–100F Pricing System Mini-Pricing Questionnaire

```
                Customer Pricing Questionnaire

Before Pricing Reports are generated  please answer the
following question(s) for customer specific pricing:

ID:   QUESTION:                        RANGE:      ANSWER:

 1    DO YOU WANT TO APPLY MDC        Y/N
      FLEXIBLE PRICING?

 2    DO YOU WANT TO APPLY ACD        Y/N
      OPTIONAL LINE PRICING?

 3    DO YOU WANT TO INCLUDE SPECIAL  Y/N
      PRI SOFTWARE PRICING?

 4    DOES THIS OFFICE HAVE THE NT40  Y/N
      BUYBACK OPTION?

PRESS:  <ENTER> TO PROCESS    <PF3> TO EXIT
```

After all questions have been answered, the user presses <enter>. The following messages are presented to indicate that the interface file to PRISM is being created:

```
Entering existing job H21168

05841 security initialized successfully
PAQS100 V400.03
READY
Welcome to PAQS100 release 414
Time is 13 : 20 : 47
Job Type Is : HOST
**** CREATING H21168 EQPDATA FILE
WORKING
WORKING
WORKING
WORKING
**** H21168 EQPDATA FILE CREATED

H12168(QUOTATION) successfully submitted to PRISM and CPM.
Press <ENTER> to continue:
```

Pricing options

Job options may be priced individually or all at once. To choose options for pricing, answer the following prompts as they are presented:

```
Which option would you like to price?
```

An > ***** is presented as a default and indicates that all options should be priced. If all options are to be priced, press <ENTER>. To price a specific option, type in a specific number over the > ***** and press <ENTER>.

If an invalid option (for example, a typographical error such as ASD) is selected, the system presents the following prompt:

```
ASD is not a valid option.
Option must be a single number – i.e. 4
or * to indicate all options.
Press <ENTER> to continue.....
```

If a valid option is chosen, the system presents the following prompt:

```
Which option would you like to price ?
Select a number from 0 to 99 (i.e. 1) or
Press <ENTER> for all options (i.e. *)
2
You have chosen to have option 2 processed.
Is this correct ? (y/n)
```

The chosen option may be changed at this prompt. Once > **Y** is entered, <jobname> is submitted to PRISM and the following message is displayed:

```
<jobname> successfully submitted for pricing
```

Note: It takes equal time to submit a request to PRISM to price all options or to price a single option. PRISM uses a batch concept.

How to receive pricing reports

The pricing reports generated from PRISM are displayed in the report format that is consistent with contractual agreements between individual operating companies and Nortel Networks. The pricing module of NT-ACCESS is designed to display the correct report format types by userID according to the contractual agreements. The pricing reports include a separate report that identifies any special pricing included in the report calculations.

Pricing reports are retrieved from DMS-100F Pricing or from Batch Processing regardless of the point of origination. For example, if a pricing report is requested from DMS-100F Pricing, the output is received from the following sources:

- DMS-100F Pricing menu item 2, Receive Pricing Report(s)
- Batch Processing menu item 3, Receive Output from Jobs

Note: The recommended method to receive pricing reports is to use NT-ACCESS main menu item 2, DMS-100F Pricing.

The only requirement for receiving any pricing reports from Batch is to specify the job name. If a job is processed through Batch Processing and pricing reports are requested along with other reports, the pricing report is sent to the UNIX environment for processing. This processing is not necessarily completed in the same interval as the provisioning reports that are processed in the mainframe environment. For example, factors such as the number of pricing requests sent to the UNIX environment affect the processing speed.

If pricing reports have not returned from the UNIX environment, the user receives the following message and should check back at a later time to receive the requested reports.

```
“Pricing reports have not finished processing at this time.
Please check again later. Press <ENTER> to continue.”
```

To receive pricing reports from the DMS-100F Pricing menu, perform the following steps:

Step 1

Select menu item 2, Receive Pricing Report(s), from the DMS-100F Pricing System menu illustrated in Figure 3-9.

Figure 3-9
DMS-100F Pricing System menu – receive pricing reports

```
      ====================================================

                    DMS - 100F Pricing System

                   Please Select From the Menu:

                1 - Submit job for Pricing
                2 - Receive Pricing Report(s)

                          <PF3> Quit

      ====================================================


                                                VM READ   NTIVMF
```

A screen listing all available jobs with pricing reports similar to Figure 3-10 is presented.

Figure 3-10
Pricing Report Job Listing screen

```
                          PRISM REPORTS

Action            Report            Date                    Time

                  BILLHST2          01/09                   11:21:21

                  PRISMHST          01/09                   11:37:19

ACTIONS:          R – RECEIVE              E – ERASE

PF1 – Help         PF3 – Quit          PF7 – Up        PF8 – Down

======>
```

Step 2

Place < **R** >in the Action column to the left of the report as illustrated in Figure 3-11.

Figure 3-11
Pricing Report Job Listing screen – displaying R to receive

```
                        PRISM REPORTS

Action            Report            Date                    Time
 R                BILLHST2          01/09                   11:21:21
                  PRISMHST          01/09                   11:37:19

ACTIONS:          R – RECEIVE              E – ERASE

PF1 – Help         PF3 – Quit          PF7 – Up        PF8 – Down

======>
```

A pop-up window illustrated in Figure 3-12 is presented.

Figure 3-12
Pricing Report Receive pop-up window

```
                        PRISM REPORTS

Action            Report            Date                    Time
                         R E C E I V E

 Report:    BILLHST2           Date: 01/09       Time: 11:21:21

              Press ENTER to RECEIVE this report
                    or press PF3 to QUIT

ACTIONS:          R – RECEIVE              E – ERASE

PF1 – Help         PF3 – Quit          PF7 – Up        PF8 – Down

======>
```

Note: If receiving pricing reports through the Batch Process, refer to Chapter 7, “Batch Processing.”

How to erase pricing reports

To erase a pricing report, place > **E** in the Action column to the left of the report as illustrated in Figure 3-13.

Figure 3-13
Pricing Report Job Listing screen

```
                        PRISM REPORTS

Action            Report            Date                    Time
 E                BILLHST2          01/09                   11:21:21
                  PRISMHST          01/09                   11:37:19

ACTIONS:          R – RECEIVE              E – ERASE

PF1 – Help         PF3 – Quit          PF7 – Up        PF8 – Down

======>
```

A pop-up window illustrated in Figure 3-14 is presented.

Figure 3-14
Pricing Report Erase pop-up window

```
                        PRISM REPORTS

Action            Report            Date                    Time
                           E R A S E

Report:    BILLHST2           Date: 01/09       Time: 11:21:21

              Press ENTER to ERASE this report
                     or press PF3 to QUIT

ACTIONS:          R – RECEIVE              E – ERASE

PF1 – Help         PF3 – Quit          PF7 – Up        PF8 – Down

======>
```

Pricing errors

Pricing is based on individual product equipment codes (PEC). Only valid PECs can be priced. During provisioning the system provisions generic product equipment codes (GPEC) that are in turn mapped to individual PECs based on the delivery date (D-date) specified in the questionnaire. An error message may occur stating that GPECs do not map to individual PECs.
If a GPEC is not mapped (available on the D-date specified) or is incorrectly mapped, invalid PECs are sent to the pricing module and are not priced. A price of $0.00 appears next to the code. If this problem occurs, contact your regional NT-ACCESS coordinator.

Pricing Exception Report

The Pricing Exception Report provides a list of equipment with no associated price quotation. Equipment is not quoted for the following reasons:

- an invalid PEC was provided
- no price is available
- a planning price (price is not firm) was provided

Job Masking System

What is Job Masking?

Job Masking is a sub–module in the DMS-100 Provisioning and Quotation System (PAQS), which can be used to perform two functions:

1 Reduce the number of questions viewed and answered during an input session, by the elimination (masking) of certain questions, based on specific purpose of the CI capture.

1 Set predetermined answers based on specific customer preferences, office or job type, even for questions that are masked out.

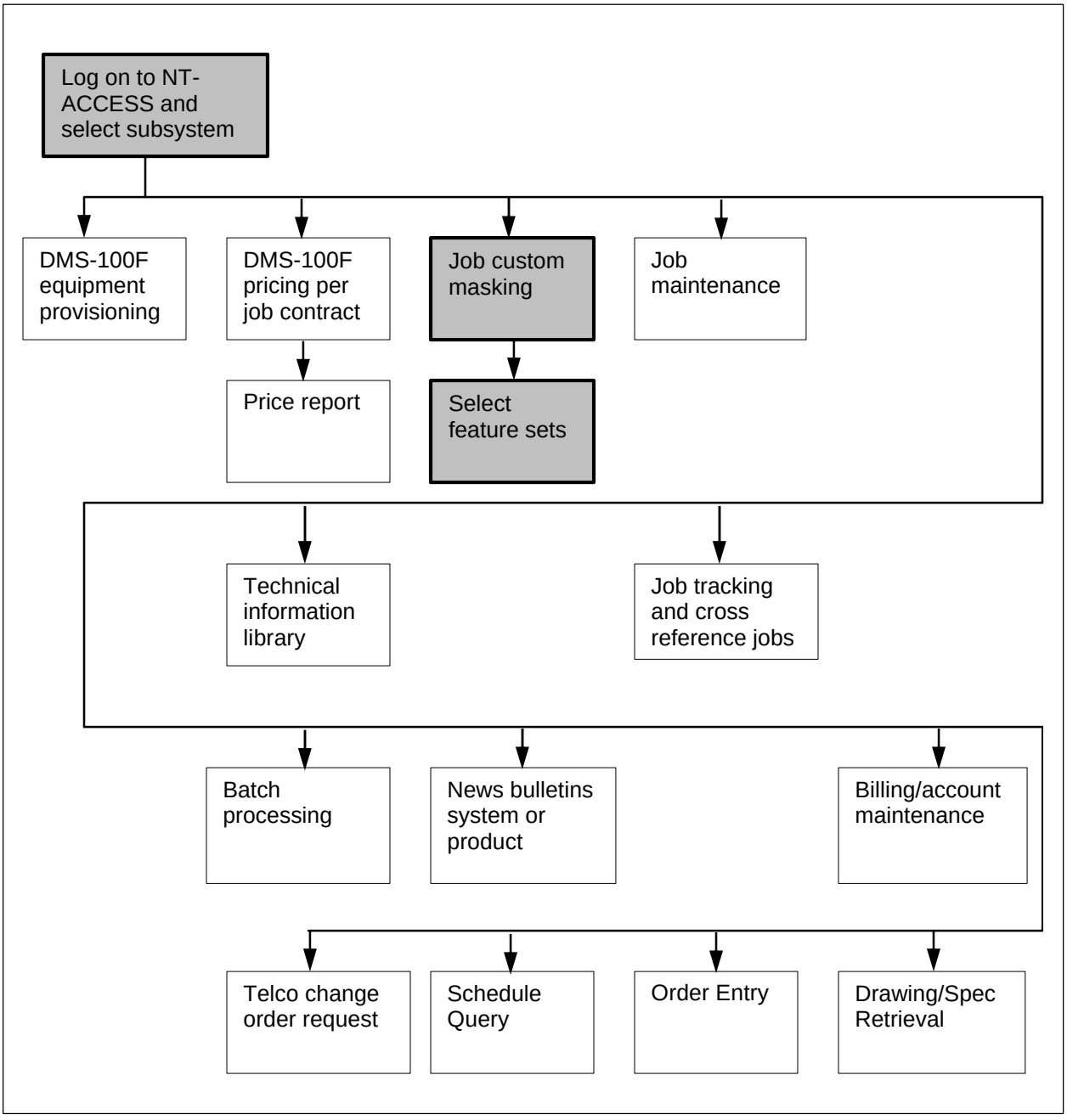
All the answers, even the ones for the masked questions, are still used in the provisioning process, thus providing an accurate equipment list.

Masking is accomplished by the use of appropriate mask control files, which contain flags (Y for Yes, or N for No) that control the display of questions, and also predetermined answers to any number of questions with a display control flag set to N. Since these questions are not viewable, their answers cannot be seen or changed; whereas in the cases of those questions with a display control flag set to Y, any predetermined answers can be seen and changed.

This chapter details the processes for creating and applying masks. Refer also to the section on How to apply a mask, in Chapter 2 (DMS-100F Provisioning System) of this manual.

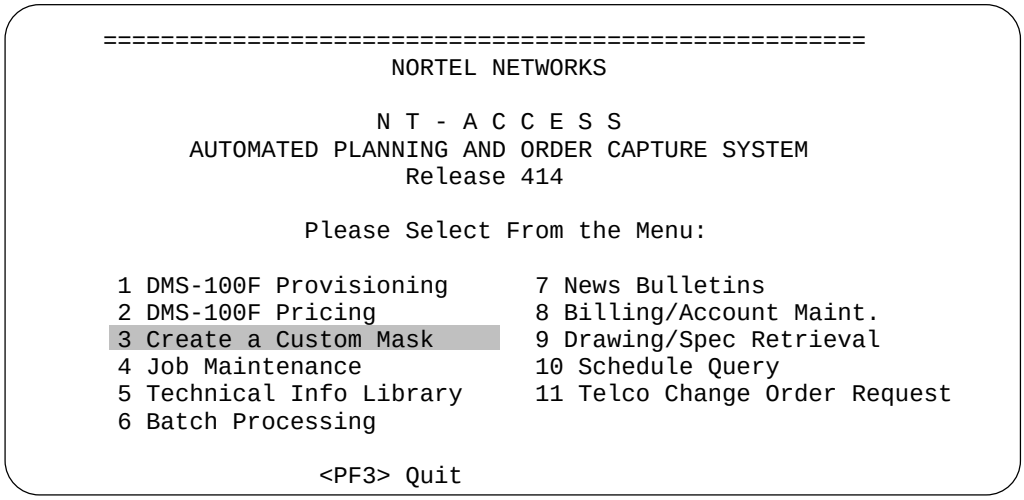
The relationship between the Job Masking System and NT-ACCESS is illustrated in Figure 4-1.

Figure 4-1
NT-ACCESS process flow – job masking system



To access the Job Masking System, select menu item Create A Custom Mask from the NT-ACCESS main menu illustrated in Figure 4-2.

Figure 4-2
NT-ACCESS main menu – create a custom mask



Custom masking process

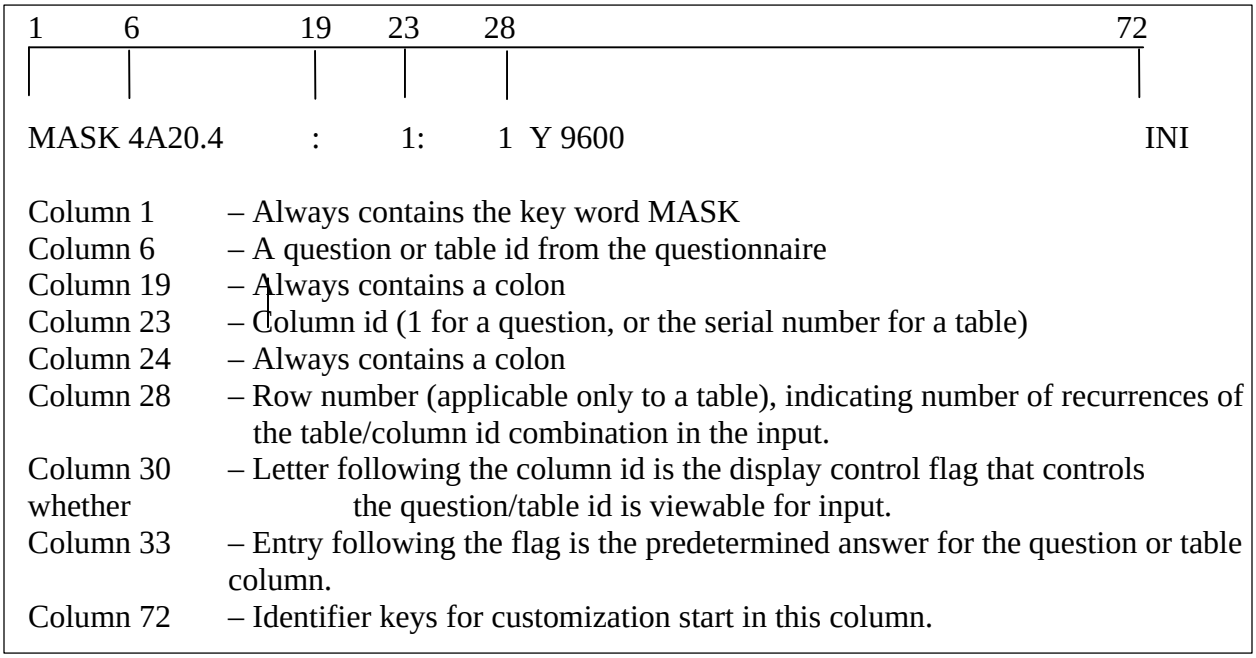
This process enables the creation of special-purpose masks based on specific CI functions or other needs. Proper operation of this process is dependent upon the availability of master control files containing pre-defined default answers to questions, display criteria, and functional group information. Two master control files, one for the Host questionnaire and another for the Remote questionnaire, are maintained by NT-ACCESS support.

One of these two master control files will be used as default if none other is selected in item 1 of the Create A Customized Input Questionnaire screen (Figure 4-4). Others may be jointly created and maintained by Nortel Networks and the operating company coordinators. From the database of information in these master control files, job specific masks are created and applied using the processes defined in this chapter.

Master control file

To minimize the effort required to maintain an up-to-date library of masks, a mask generation module is provided. This utility provides a custom-designed job-specific mask based on the answers to a few questions.

Figure 4-3
Master control file – sample record



All master control files are identified by the standard file type QSMASK. A master control file contains all of the essential CI questions for a specific type of job. NT-Access Support maintains master control files for host jobs and remote jobs. These files are updated on a regular basis to reflect ongoing questionnaire changes. Other similar files may be created and maintained jointly by customers and Nortel's NT-ACCESS coordinators.

Along with each master control file, the customized mask creation process also requires two other control files that list descriptions for the various identifier keys specified in columns 72 onward in the master control file. One of these files, identified by the file type USERS, creates the functional group listing upon pressing PF4 from the Create A Customized Input Questionnaire screen. The other file, identified by the file type TABLE, displays the Mask Selection screen. Each such group of three files are identified by the same filename, and work together to enable the operation of this process.

Naming custom masks

It is useful to follow some convenient practices for naming questionnaire masks. Choose a name that is indicative of the Questionnaire release, job type, CI function and any other customization purpose. For example, HCINI403 may be the name for a Host CI mask for initial jobs to be used by the SAE for release 403. Remember that there is a limit of eight characters for the name, since a mask is a CMS file.

There are certain standards established for naming questionnaire masks specially created by Nortel's regional NT-ACCESS coordinators for a specific telephone or holding company customer. These standards are discussed under the heading "Masking job naming standards" in Chapter 2 (DMS-100F Provisioning System) of this manual.

Creating custom masks

To create a custom mask, select menu item Create A Custom Mask from the NT-ACCESS main menu. The Create a Customized Input Questionnaire (IQ) screen illustrated in Figure 4-4 is presented.

How to create a custom mask

Complete the items on the above menu. Some instructions are given in the following procedure. The PF keys are explained at the end of the listing of the following steps.

Step 1

Select a master control file by specific name, if known, or press PF2 to view a list of available files. Pressing PF2 will list all available master control files.

Or

Just press ENTER to let the system choose an appropriate control file.

Step 2

Enter any name for the mask to be created (up to eight characters). Refer to the section "Naming of custom masks" above.

Step 3

Press PF4 to get the listing of CI functions, if necessary. This will bring up the screen similar to the one shown in Figure 4-4. Enter the letter that corresponds to the CI function for the desired mask.

Step 4

Determine whether or not the mask will be combined with another one and answer item 4 appropriately. Refer to the following section “How to combine masks”. The system default answer is N as shown.

Figure 4-4
Create a customized input questionnaire (IQ) screen

```
            CREATE A CUSTOMIZED INPUT QUESTIONNAIRE (IQ)

         Tab to complete the information and press PF12/PF24.


1.  Specify the name of the Master control file          ________
    (Press PF2 to view available masks or press
     ENTER to Input an Office Type which would
     then select the SYSTEM master)

2.  Specify a custom name for the mask to be created     ________

3.  What CI function is the mask to be used for?         C
    (Press PF4 to view available CI functions)

4.  Do you want to combine this mask with                N
    another mask? (Y/N)




2= LIST     3= QUIT            4= CI FUNCTIONS      12= EXECUTE
```

Figure 4-5
MASK key description

```
                    MASK KEY DESCRIPTION




KEY DESCRIPTION                     HOW USED

P   Pricing Questions               By PRISM for Pricing
C   Essential CI Questions          By SAE for CI Process
Q   Marketing and Quotation         For RFQ Process
J   Job Costing Questions           For Job Costing
E   Engineering and Provisioning    By Provisioning Process
T   Traffic Questions               For Traffic Calculations
I   Installation Questions          For Installation use
F   Field Engineering               For Field Engineers
D   Documentation Questions         For Doc Ordering and Shipping


                            3= QUIT
```

Step 5

Successful completion of the above steps will bring up a selection screen similar to the one shown in Figure 4-5.

Execute the process by pressing PF12 after all the information on the screen is filled in.

Step 6

Select the feature sets applicable to the job from the table by entering **Y** in the DEF column against the desired selections.

Figure 4-6
Mask selection screen

```
                    MASK SELECTION SCREEN


DESCRIPTION                                          ABBR     RANGE    DEF

TYPES OF QUESTIONS TO BE INCLUDED
================================
ACD FEATURES?                                         ACD     (Y N)     N
DATABASE SERVICES REQUIRED?                           CCS     (Y N)     N
CLASS FEATURES?                                       CLA     (Y N)     N
CENTREX (MDC) FEATURES?                               CTX     (Y N)     N
DATAPATH FEATURES?                                    DAT     (Y N)     N
DTC OR DTCI ORDER?                                    DTC     (Y N)     N
EXTENSION JOB?                                        EXT     (Y N)     N
INITIAL JOB?                                          INI     (Y N)     N
ISDN?                                                 ISD     (Y N)     N
LOCAL FEATURES?                                       LOC     (Y N)     N
POWER EQUIPMENT?                                      PWR     (Y N)     N
WILL OFFICE SERVE REMOTES?                            REM     (Y N)     N
SUBSCRIBER MODULE ACCESS 2 (SMA2)                     SM2     (Y N)     N
TOLL FEATURES?                                        TOL     (Y N)     N
TOPS FEATURES?                                        TOP     (Y N)     N









              PF3 = QUIT                PF12 = FILE
```

Step 7

Review the selections and change the DEF (default) setting to Y for any feature(s) you want included in the mask. Then press PF12 to generate the mask. When the process has completed, a message is displayed indicating that the mask has been created. The custom mask file has a file type of QSMASK and is stored on the user's 191 disk. After a custom mask has been successfully created, a file containing information on the criteria used in the mask creation is also written to the user's 191 disk. This file is identified as <maskname> MASKDESC and contains a single record of information such as shown in the following example.

```
SET MDESC MYHOST ' HOSTALL C INI SM2 '
```

Explanation of the information given in the file:

- MYHOST – Name of the mask created
- HOSTALL – Name of the master control mask used
- C – Functional category used for the mask
- INI SMA2 – Feature sets used to customize the mask

Masks on the user's 191 disk can be accessed through the Job Maintenance subsystem, along with job files.

PF keys on the Create A Customized Input Questionnaire (IQ) screen

The PF keys at the bottom of this screen are defined as follows:

- PF1 = HELP
  - — invokes the on-line help facility
- PF2 = LIST MASK
  - — provides a list of all available master control files
- PF3 = QUIT
  - — returns to the NT-ACCESS main menu
- PF4 = LIST FUNC
  - — Provides a current list of all CI functional groups
- PF12 = EXECUTE
  - — causes the system to create the mask using the functional group and master control files specified
  - — presents the mask selection table (categories that appear are customer-specific and are changed or expanded to meet the needs of the user group)

Listing and erasing custom masks

Custom masks are displayed in Job Maintenance in the current job environment. All custom masks have a file type of QSMASK. Use the > **ERASE** action to delete custom masks or the > **SEND** action to send the mask to another userID. Custom masks can also be sent to long-term storage by using the > **STORE** action. For details about these actions, refer to Chapter 5, "Job Maintenance System."

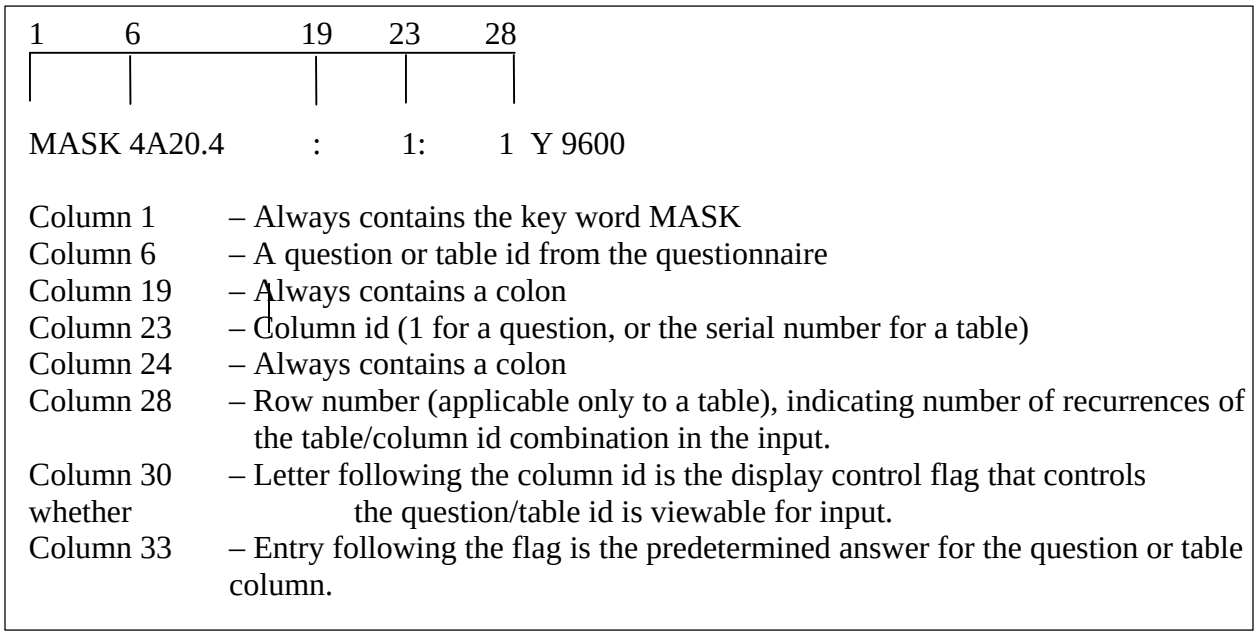
Applying masks to NT-ACCESS jobs

This section is intended to enhance the information on the topic given in the section on How to apply a mask, in Chapter 2, "DMS-100F Provisioning System", of this manual. Some more details about the structure of the files that enable the masking process and helpful hints about using this facility are given here.

Masking is accomplished by a CMS file which has the standard file type QSMASK. Records of this file are formatted as shown in the following sample. The numbers on the scale at the top indicate column numbers in the

record, and descriptions of the specific entries in these columns are given following the sample record.

Figure 4-7
CMS file – sample record



When the mask is applied, those questions with a display control flag set to N are not viewable and their answer cannot be seen or changed. In the cases of those questions with a display control flag set to Y, any predetermined answers can be seen and changed.

While the master control files discussed earlier are very similar in structure to these mask files, the master control files are to be used only for the purpose of the custom mask creation and should never be applied to a job as a mask.

How to apply masks

After the necessary masks have been created according to procedures described earlier in this section, follow the steps outlined in Chapter 2, “DMS-100F Provisioning System”, of this manual to get to the PAQS100 Questionnaire Mask Facility (menu 2). Upon pressing PF2 from this facility screen, a list of all available masks will be displayed. Any mask from this list can be applied to the currently active job.

After applying the desired mask, use PF3 to return to the PAQS100 main menu, and choose EDITQS (item 3), to reach the PAQS100 QUESTIONNAIRE INPUT environment. While the visible set of questions is controlled by the mask, the mask may be turned off, if desired, by the use of PF6 in order to be able to see the entire questionnaire. PF6 acts as a toggle switch to turn the mask off and on.

Answer the questionnaire as required and SAVE the input. Use PF3 from the PAQS100 QUESTIONNAIRE INPUT environment to return to the PAQS100 main menu. It may be possible that the default answer to an answer provided by a masked question is invalid for the selected job type. It is advisable to run Provisioning (menu 2) from the PAQS100 main menu using the input questionnaire to insure that the answers are complete and compatible, making any changes as prompted by the provisioning messages.

How to combine masks

The following steps may be used if it is desired to merge the masked answers created earlier with another mask.

Step 1

Select menu item 2, MASK, again from the PAQS100 main menu. On the resulting PASQ100 QUESTIONNAIRE MASK FACILITY screen, move the cursor to ">> Create mask from answered questionnaire", and press PF12. Give any convenient name (up to eight alphanumeric characters) in answer to the prompt for the mask name.

Step 2

After the mask is created from the answered questionnaire, use PF3 to return to PAQS100 main menu.

Step 3

Use PF3 from PAQS100 main menu to return to NT-ACCESS menu.

Step 4

Select menu item Create A Custom Mask from NT-ACCESS menu to go to the Create A Customized Input Questionnaire (IQ) screen (Figure 4-4).

Step 5

After making the choices for the customized mask as before, answer Y to option 4: "Do you want to combine this mask with another mask?"

Step 6

Enter the name of the mask from step 1 in answer to the prompt.

Step 7

Press PF12 to execute the mask creation process.

Follow the steps under “How to apply masks” to apply the new mask to the job being processed. Repeat steps under “How to combine masks” if it is desired to combine the answers from this input with another mask.

Job Maintenance System

What is the Job Maintenance System?

The Job Maintenance System provides storage for both current jobs and stored jobs and allows optimal use of disk storage space. Job Maintenance is also the menu-driven front end to a system called ARCHIVE that is used to store, track, and transfer job files.

The relationship between the Job Maintenance System and NT-ACCESS is illustrated in Figures 5-1 through Figures 5-4.

Figure 5-1
NT-ACCESS process flow – Job Maintenance System

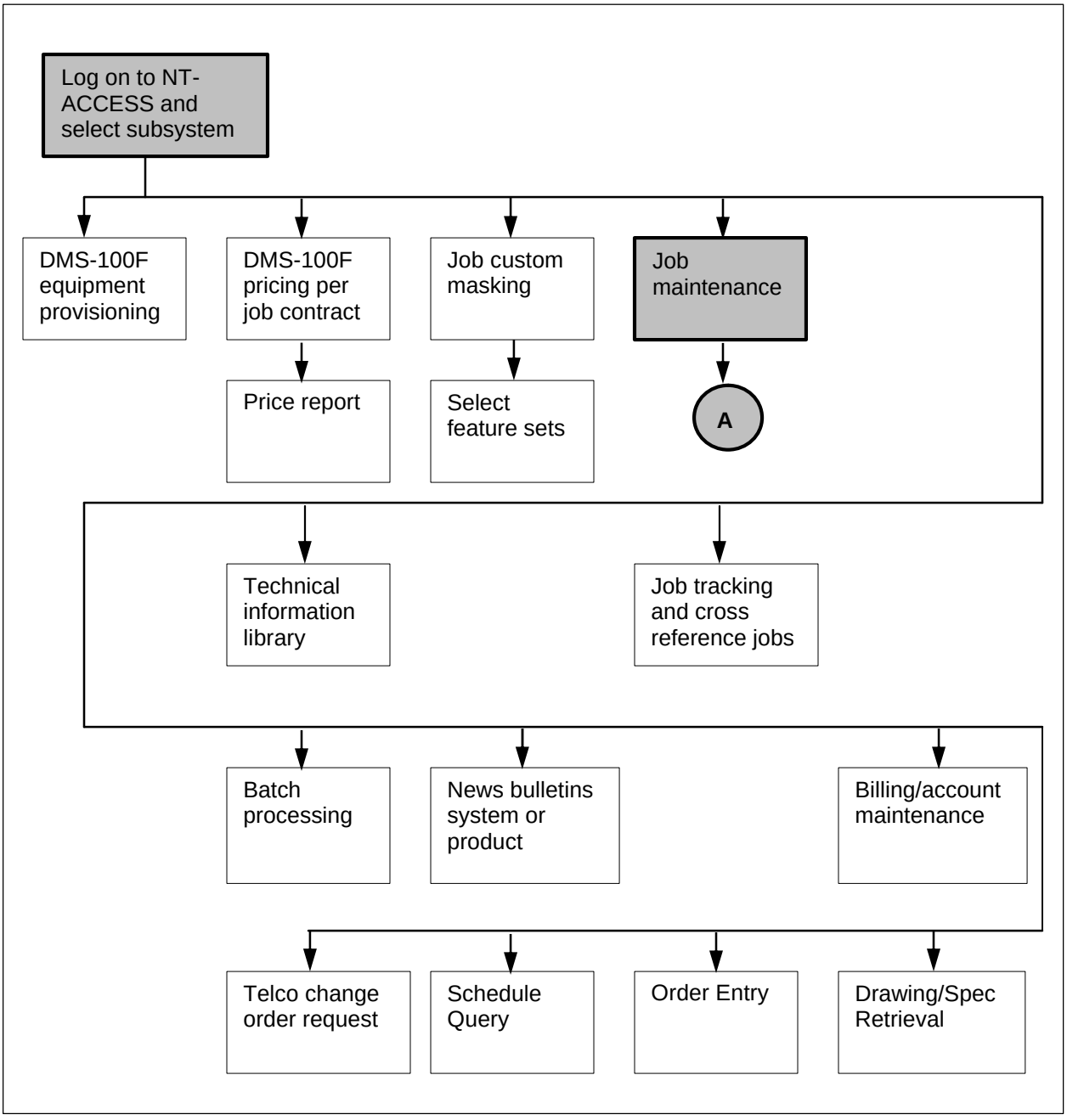


Figure 5-2
NT-ACCESS process flow – Job Maintenance System part A

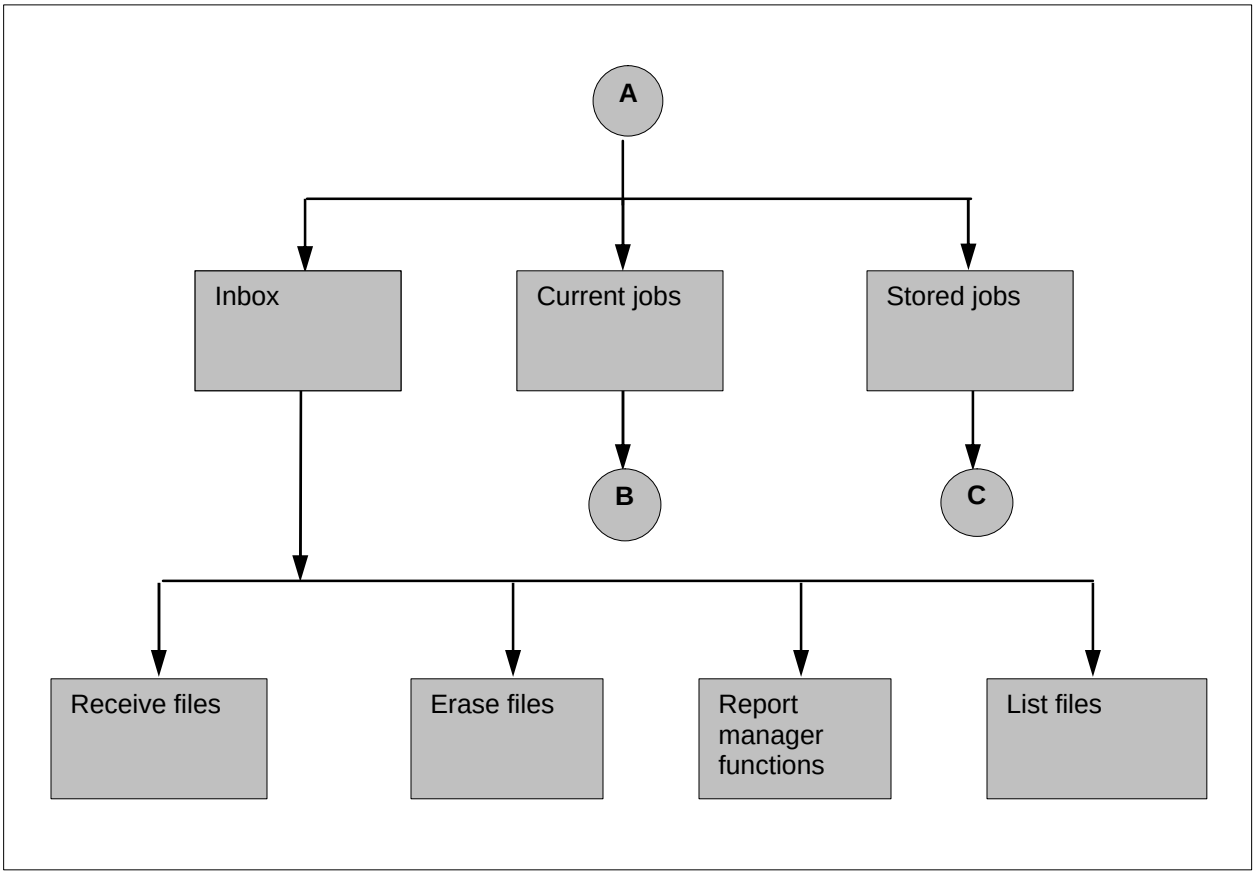


Figure 5-3
NT-ACCESS process flow – Job Maintenance System part B

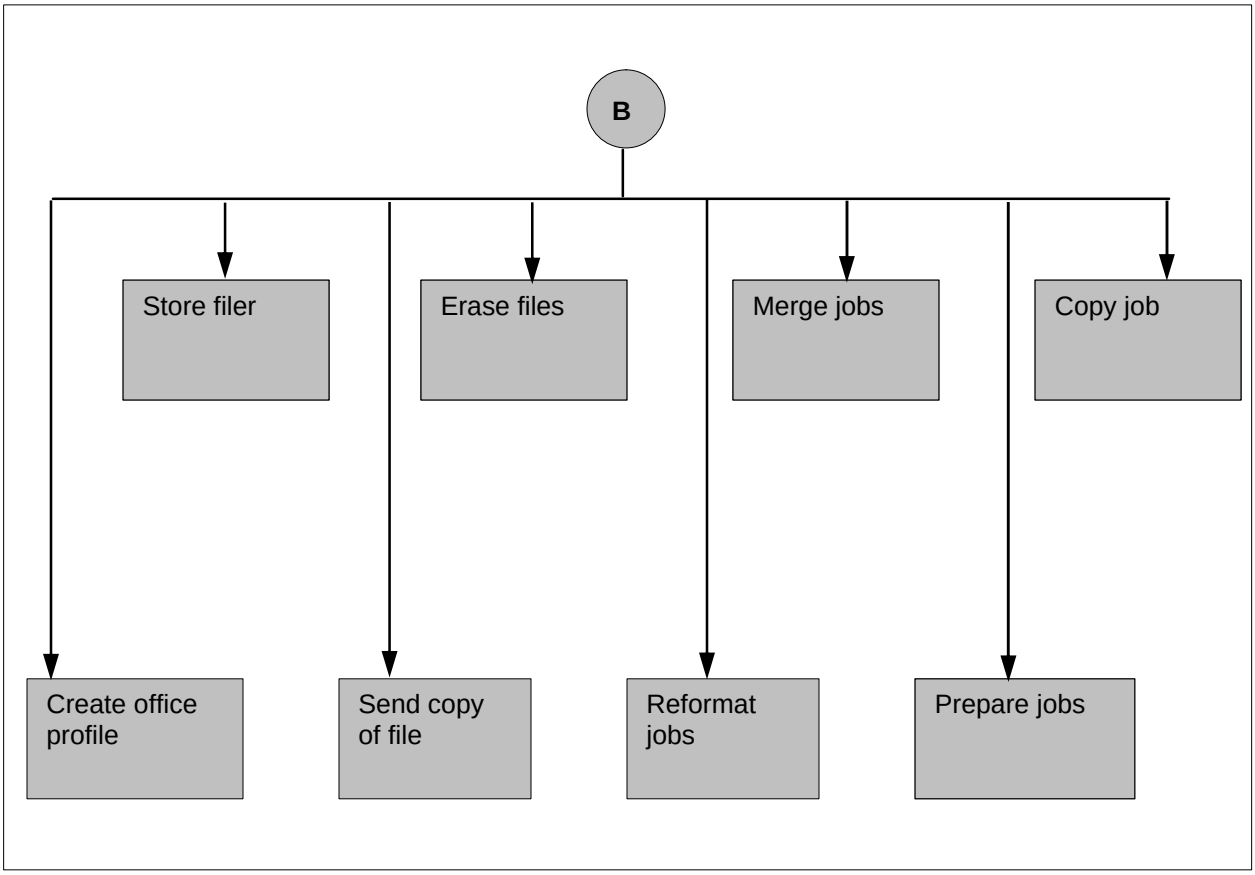
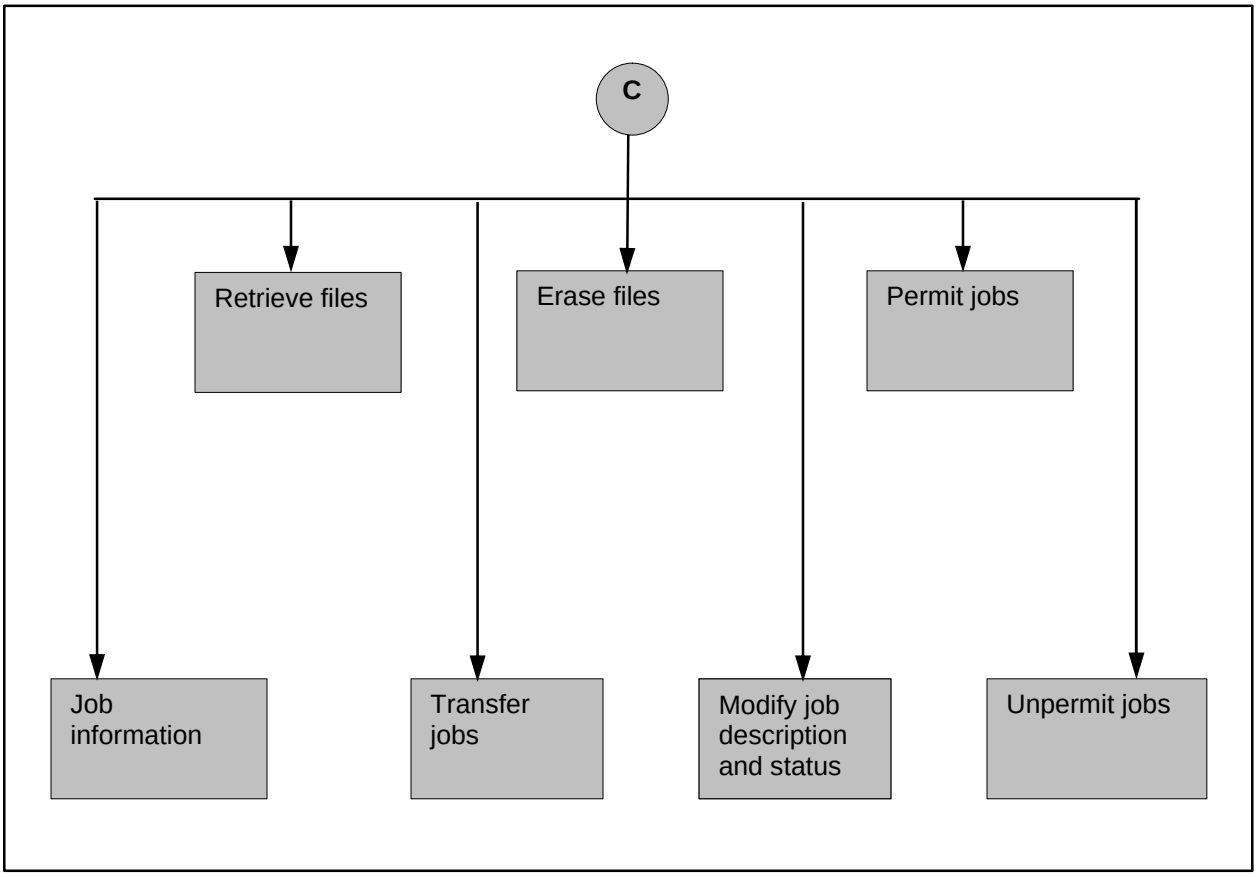


Figure 5-4
NT-ACCESS process flow – Job Maintenance System part C



Job Maintenance overview

A job in NT-ACCESS is located in one of three places; the Inbox, the Current Job Listing, or the Stored Job Listing. A current job is stored on the user A-disk and is readily accessible. A stored job is stored offline on tape and is accessible with some delay. A file in the userID Inbox is one that was sent by another userID or was retrieved from storage.

Job Maintenance subsystems

Various functions are performed in the Job Maintenance subsystems for files that are either PAQS100 or QSMASK file types.

The following tasks are performed in Inbox:

- receive files
- erase files
- report manager functions
- list files

The following tasks are performed in Current Jobs for PAQS100 files:

- store files
- send copy of file
- erase files
- reformat jobs
- merge jobs
- prepare jobs
- copy jobs

The following tasks are performed in Current Jobs on QSMASK files:

- send a copy of a mask
- erase a mask
- store a mask

The following tasks are performed in Stored Jobs:

- retrieve job information
- retrieve files
  - job files or mask files
- transfer jobs
- erase files
- modify job description and status
- permit and unpermit jobs

Job Maintenance PF keys

The Job Maintenance function PF keys are defined as follows:

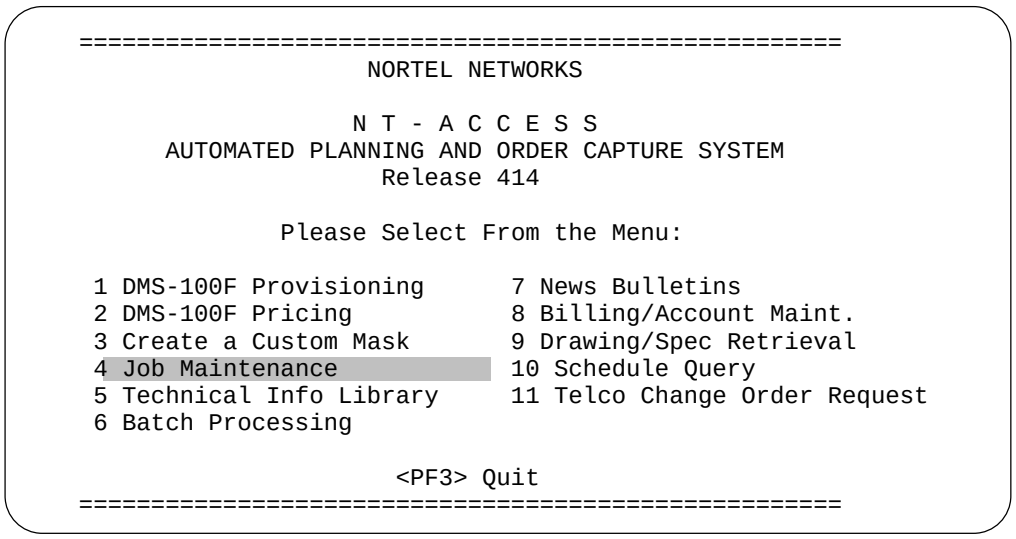
- PF1
  - — invokes the online help facility
- PF2
  - — presents the Current Jobs screen
- PF3
  - — exits the Inbox, Current Jobs, or Stored Job screen and returns to the main menu
- PF4
  - — not used
- PF5
  - — presents the Stored Jobs screen through the Job Selection screen
- PF6
  - — permits access either to the Generate Listings facility from the Stored Job screen or to the Delta Reports facility from the Current Jobs screen
- PF7
  - — scrolls backward one screen
- PF8
  - — scrolls forward one screen
- PF9
  - — presents the Inbox screen

Note: Not all PF keys are used in every Job Maintenance screen; only those that appear on a screen are functional for that screen.

Current Jobs subsystem

To enter the Current Jobs subsystem, select menu item Job Maintenance from the NT-ACCESS main menu illustrated in Figure 5-5.

Figure 5-5
NT-ACCESS main menu – Job Maintenance



The Current Job subsystem screen illustrated in Figure 5-6 is presented.

Figure 5-6
Current Job subsystem screen

```
ZZCCVS01          Job Maintenance: Current           Disk is 37% full

Action  Jobname     Jobtype   Updated      CLLI

        H4F170      PAQS100   07/22/2003
        REM         PAQS100   07/29/2003
        RE8907      PAQS100   07/07/2003
        TEST        PAQS100   08/04/2003
        TESTER      PAQS100   07/28/2003
        XREF        PAQS100   08/14/2002
        CHEKLIST     QSMASK   05/13/2003
        TITLES       QSMASK   12/15/1998









ACTIONS:  A - Store    S - Send     E - Erase    R - Reformat
          M - Merge    P - Prepare  C - Copy     O - Offprof     Z - Show CLLI

No messages are waiting to be displayed.

PF1 - Help   PF3 - Quit    PF5  - Stored Jobs   PF6  - Delta Reports   PF7 - Up
PF8 - Down   PF9 - Inbox   PF11 - Show CLLI     PF12 - View ARKIVE Requests
====>
```

The jobs listed in the data area of this screen are jobs currently stored on the userID A-disk (allowing immediate access). Action can be taken on one of the current jobs or stored jobs, or Inbox can be accessed.

This screen also displays the current amount of disk space used on the userID A-disk (see the upper right corner of the screen). Available disk space is increased by storing jobs that are no longer active and then erasing the jobs from the Current Jobs environment.

> ***Note:*** > **ERASE** permanently removes or deletes the job records. The job records cannot be restored.

Outside of the Job Maintenance facility, other NT-ACCESS functions are performed on these jobs (for example, provisioning or pricing).

Current Job subsystem screen PF keys

The Current Job subsystem screen PF keys are defined as follows:

- PF1 = Help
  - — invokes the online help facility
- PF3 = Quit
  - — exits the current screen and returns to the NT-ACCESS main menu
- PF5 = Stored Jobs
  - — presents the Stored Jobs screen, through the Job Selection screen
- PF6 = Delta Reports
  - — presents the Delta Reports option
- PF7 = Up
  - — scrolls backward one screen
- PF8 = Down
  - — scrolls forward one screen
- PF9 = Inbox
  - — presents the Inbox screen
- PF11 = Show all CLLI
  - — shows the CLLI for each job in the current job listing

    Note: To see the CLLI codes for all jobs, press “PF11 – Show all CLLI.” This will show the CLLI for each job in the current job listing. Press “PF11 – Drop all CLLI” to return the panel to the default display. To see the CLLI code for a particular job, place a “z” next to the job and the appropriate CLLI for that job only will display.

How to initiate an action

To initiate an action, perform the following steps:

1 Type one character in the action column next to a job.

2 A pop-up window is presented in the middle of the screen. Only what is inside the window is functional until the pop-up window is gone. Enter data. Press <ENTER> to process or <PF3> to quit.

2 Use the arrow and tab keys to move the cursor inside of any pop-up window.

The following is a list of actions that are performed on current jobs and pop-up windows that relate to those actions. The actions are defined in the following sections.

> A (Store)

This command sends a file to be stored offline. The file appears on the stored list as soon as the system processes the request. The request is processed immediately unless it is delayed due to other requests. If the file does not appear in the stored list immediately, it is not lost; it is in transit.

The system writes a message to the terminal to verify the successful storage of the file in Stored Jobs.

After selecting the store action, a pop-up window appears. Enter the status and description for the file and press <ENTER> or <PF3> to quit.

The Store pop-up window is illustrated in Figure 5-7.

Figure 5-7
Store pop-up window

```
                    S T O R E
  +-------------------------------------------------+
  |   Jobname: TESTJOB   Jobtype: PAQS100           |
  |   Status:                                       |
  |   Desc:                                         |
  |                                                 |
  |   You can input STATUS and DESC information     |
  |      Press  ENTER  to STORE this job            |
  |        or press  PF3  to QUIT                   |
  +-------------------------------------------------+
```

Store pop-up window fields

The Store pop-up window fields are defined as follows:

- Status
  - If a new status is not entered, the file retains the status of the previous issue of the job. If no previous issue exists, this field is left blank unless a status is entered. For acceptable status values for job files (not QSMASK files), refer to “Valid job status entries” on pages 5-37 through 5-39.

- Description
  - — If a new description is not entered, the file retains the description from the previous issue. If there was no previous issue, this field is left blank unless a description is entered.

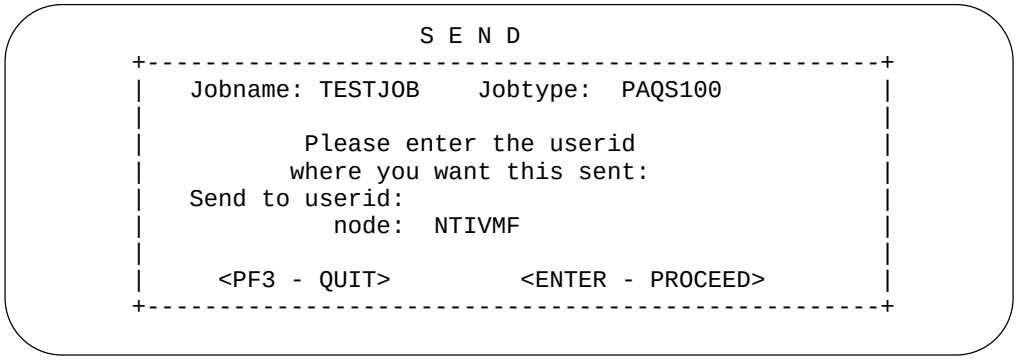
> S (Send)

This command sends a copy of a file to another userID. The file is not eliminated from the current list.

A pop-up window presents a prompt for the userID that is intended to be the final destination for the file. This file is sent to the designated userID Inbox.

The Send pop-up window is illustrated in Figure 5-8.

Figure 5-8
Send pop-up window



Press <PF3> to quit or <ENTER> to finish the process.

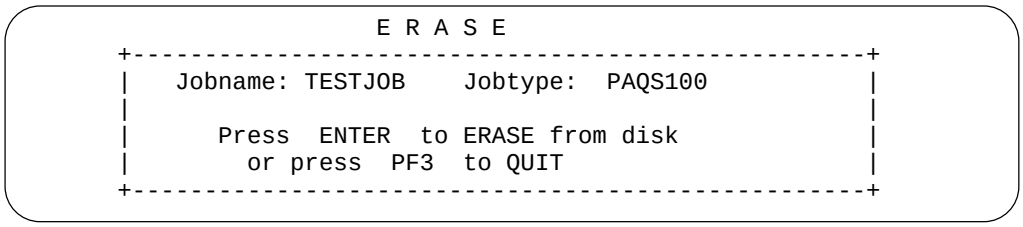
> E (Erase)

This command erases a file from the current list. Be cautious using this feature.

A pop-up window prompts to confirm the command. Press <ENTER> to proceed or <PF3> to cancel.

The Erase pop-up window is illustrated in Figure 5-9.

Figure 5-9
Erase pop-up window



Press <PF3> to quit or <ENTER> to finish the process.

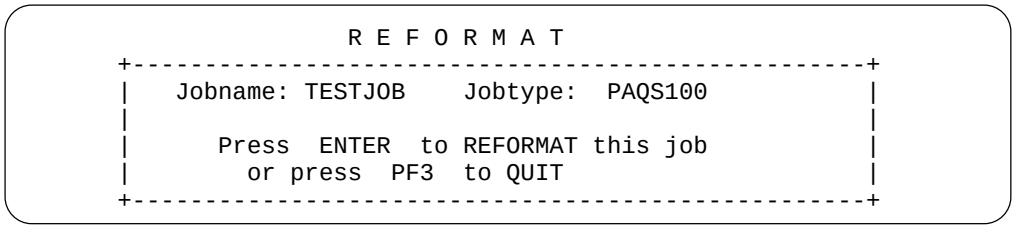
> R (Reformat)

This command upgrades a job to the next issue (latest set of provisioning rules) of NT-ACCESS. A pop-up window is presented. Press <ENTER> to continue the process or <PF3> to cancel the process. Follow the instructions presented by the system prompts.

To reformat a job from Job Maintenance, perform the following:

1 Type > **R** in the Action column of the Current Job subsystem screen next to the job that requires a reformat. The Reformat pop-up window illustrated in Figure 5-10 is presented.
2 Press <ENTER>.

Figure 5-10
Reformat pop-up window



3 Perform either Step a or Step b as follows:

a. Press <PF3> to quit. The Current Job subsystem screen illustrated in Figure 5-6 on page 5-9 is presented.

b. Press <ENTER> to execute the reformat process. The system enters the PAQS100 environment. Several PAQS100 messages are quickly presented. The screen clears and a prompt similar to the following prompt is presented:

```
Current database issue is 410.
To which issue do you wish your database to be
re-formatted to?
Enter QUIT to cancel command:
```

i. Type the appropriate issue number on the command line. For example > 414.

ii. Press <ENTER>. The following prompt is presented:

```
Reformatting from 410 --> 414
May I proceed? (Y/N)
```

iii. Type > Y and press <ENTER> to begin the reformat process. The system sends messages to the screen detailing the progress of the operation. After completion, the Current Jobs subsystem screen illustrated in Figure 5-6 on page 5-9 is presented. A message similar to the following is presented:

```
Current database issue is 414
Logical reformat terminated normally
You are now left in PAQS environment, it is up to
you to FILE and permanently save all changes made by
REFRMAT
BYE BYE
```

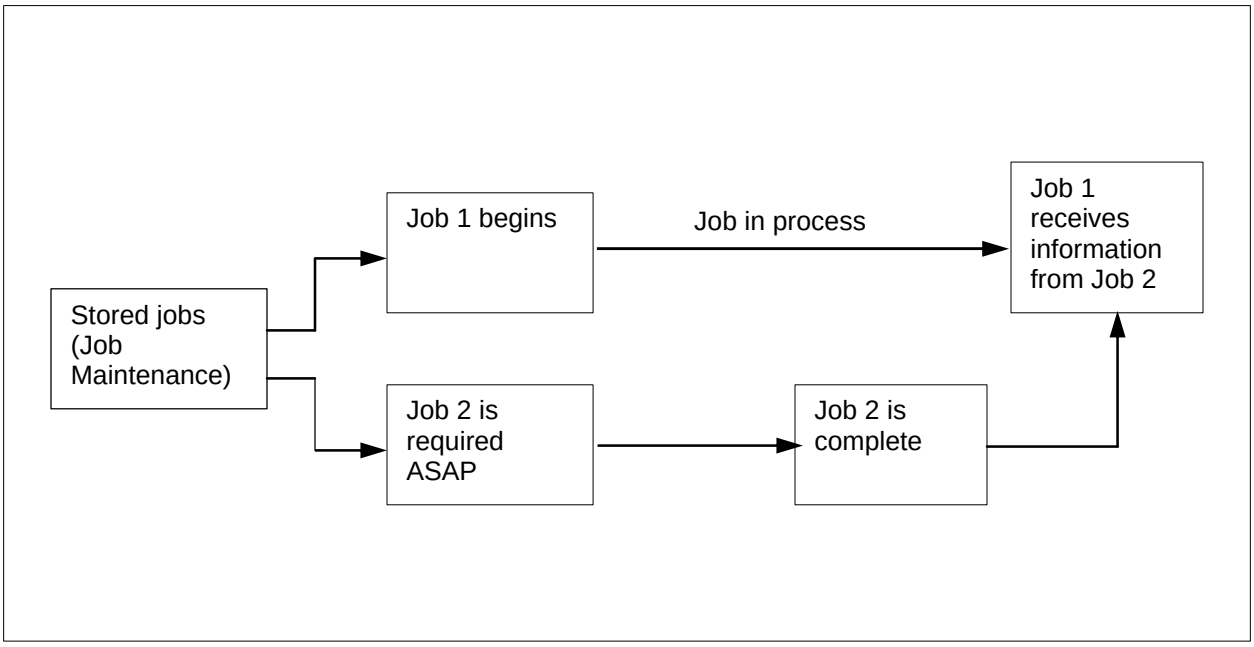
There are times when a job may become partially reformatted (for example, the user enters the job in DMS-100F Provisioning and a physical reformat takes place). The reformat action in Job Maintenance will not process jobs that are already partially reformatted. The reformat process must be done in PAQS100 by typing > **REFRMAT** on the command line. Refer to the description of REFRMAT in Chapter 15, “Advanced Commands,” for more details.

> M (Merge)

This command extracts proposed answers and equipment quantities from one job and merges them into another job as existing answers and equipment quantities. Both jobs should be built from the same base.

An example of this process is illustrated in Figure 5-11.

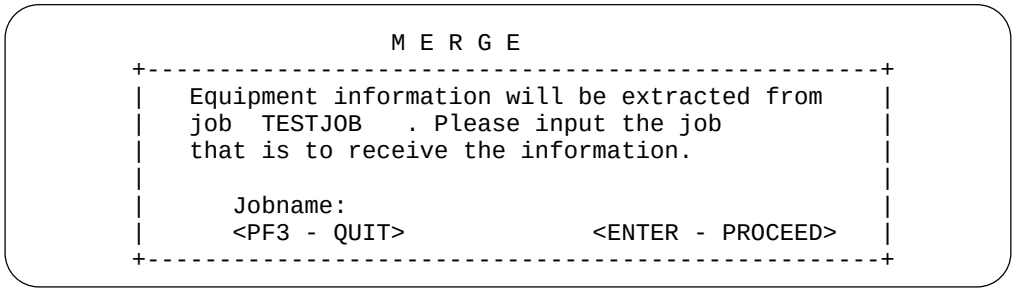
Figure 5-11
Merge job process flow



In this example, Job 1 begins and is being processed when the requirement for another extension job becomes evident. Job 2 is processed from the same base job in Stored Jobs. Once completed, the proposed answers and equipment quantities are merged into Job 1 as existing answers and equipment quantities. This process ensures that duplicate equipment is not ordered since the “exist” column of Job 1 now includes the information from Job 2. The contents of Job 1 are permanently altered by the merge process. If an original copy of Job 1 is required, save a copy of the job before processing a merge.

The Merge pop-up window is illustrated in Figure 5-12.

Figure 5-12
Merge pop-up window



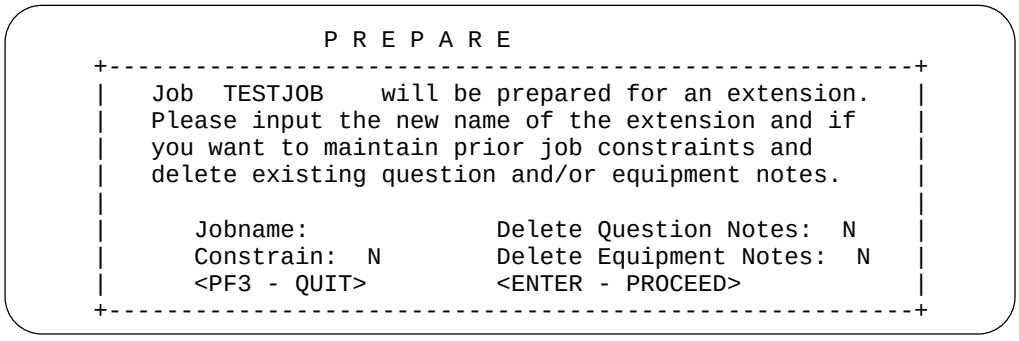
Enter the job name and press <ENTER> to proceed or <PF3> to cancel this process.

> P (Prepare)

This command prepares a job for an extension. Prepare moves proposed answers and equipment quantities to the existing category and eliminates level B variables from the job. The prepare command removes the flags that indicate constrained equipment quantities unless the Constrain field illustrated in Figure 5-13 is answered > **Y**. A pop-up window prompts for the name of the extension and offers the option of maintaining constrains.

The Prepare pop-up window is illustrated in Figure 5-13.

Figure 5-13
Prepare pop-up window



Press <ENTER> to proceed or <PF3> to quit.

Note: The Constrain default is > **N** (no) which means that the prior constrains are not included with the prepared job. If the default is changed to > **Y** (yes), prior job constrains are included in the prepared job. The Delete Question Notes and Delete Equipment Notes defaults are > **N** (no). If the default is changed to > **Y** (yes), all notes are deleted in the prepared job. Prepare with constrain moves equipment quantities and question answers from the NTADD and proposed column to the exist column in the equipment list

and the questionnaire. The constrain flags on equipment are retained. > **P** also removes all PSM Interim values (PIV) (level B variables) from the job.

In the past, > **P** could be executed when work was beginning on a new extension. > **P** alone would move the equipment quantities and question answers to the exist column, but would remove all constrains. By using this command with the constrain command, constrain flags are maintained after a job is prepared for the next extension.

> C (Copy)

This command copies a job and gives it a new name. A pop-up window appears prompting for a new name for the new job file. This function is useful when two similar jobs are required (for example, two signal transfer point (STP) offices).

The Copy pop-up window is illustrated in Figure 5-14.

Figure 5-14
Copy pop-up window

```
                    C O P Y
+-------------------------------------------------+
|   You are trying to copy  a new job from        |
|   job  TESTJOB   .  Please input new job        |
|   name.                                         |
|                                                 |
|      Jobname:                                   |
|      <PF3 - QUIT>            <ENTER - PROCEED>  |
+-------------------------------------------------+
```

Press <ENTER> to proceed or <PF3> to quit.

> O (OffProf)

This planning module (PM) provides the ability to create an office profile from the equipment and software in an existing PAQS100 office and to perform budgetary planning for both existing and future Nortel Networks products. The profile, a condensed office view, will be transferred to a UNIX environment and stored by a common language location identifier (CLLI). Please contact your NT-ACCESS regional coordinator for additional information.

To extract the office profile, perform the following:

Step 1

Enter > **O** beside a job that is currently on the userID A-disk on the Current Job subsystem screen as illustrated in Figure 5-15.

Figure 5-15
Current Job subsystem screen – Office Profile

```
ZZCCVS01          Job Maintenance: Current            Disk is 37% full

 Action  Jobname     Jobtype   Updated      CLLI

   O     H4F170      PAQS100   07/22/2003
         REM         PAQS100   07/29/2003
         RE8907      PAQS100   07/07/2003
         TEST        PAQS100   08/04/2003
         TESTER      PAQS100   07/28/2003
         XREF        PAQS100   08/14/2002
         CHEKLIST     QSMASK   05/13/2003
         TITLES       QSMASK   12/15/1998









ACTIONS:  A - Store    S - Send     E - Erase    R - Reformat
          M - Merge    P - Prepare  C - Copy     O - Offprof     Z - Show CLLI

No messages are waiting to be displayed.

PF1 - Help   PF3 - Quit    PF5  - Stored Jobs   PF6  - Delta Reports   PF7 - Up
PF8 - Down   PF9 - Inbox   PF11 - Show CLLI     PF12 - View ARKIVE Requests
====>
```

If the job contains a CLLI, the pop-up window illustrated in Figure 5-16 is presented.

Figure 5-16
Current Job subsystem screen – extract or quit

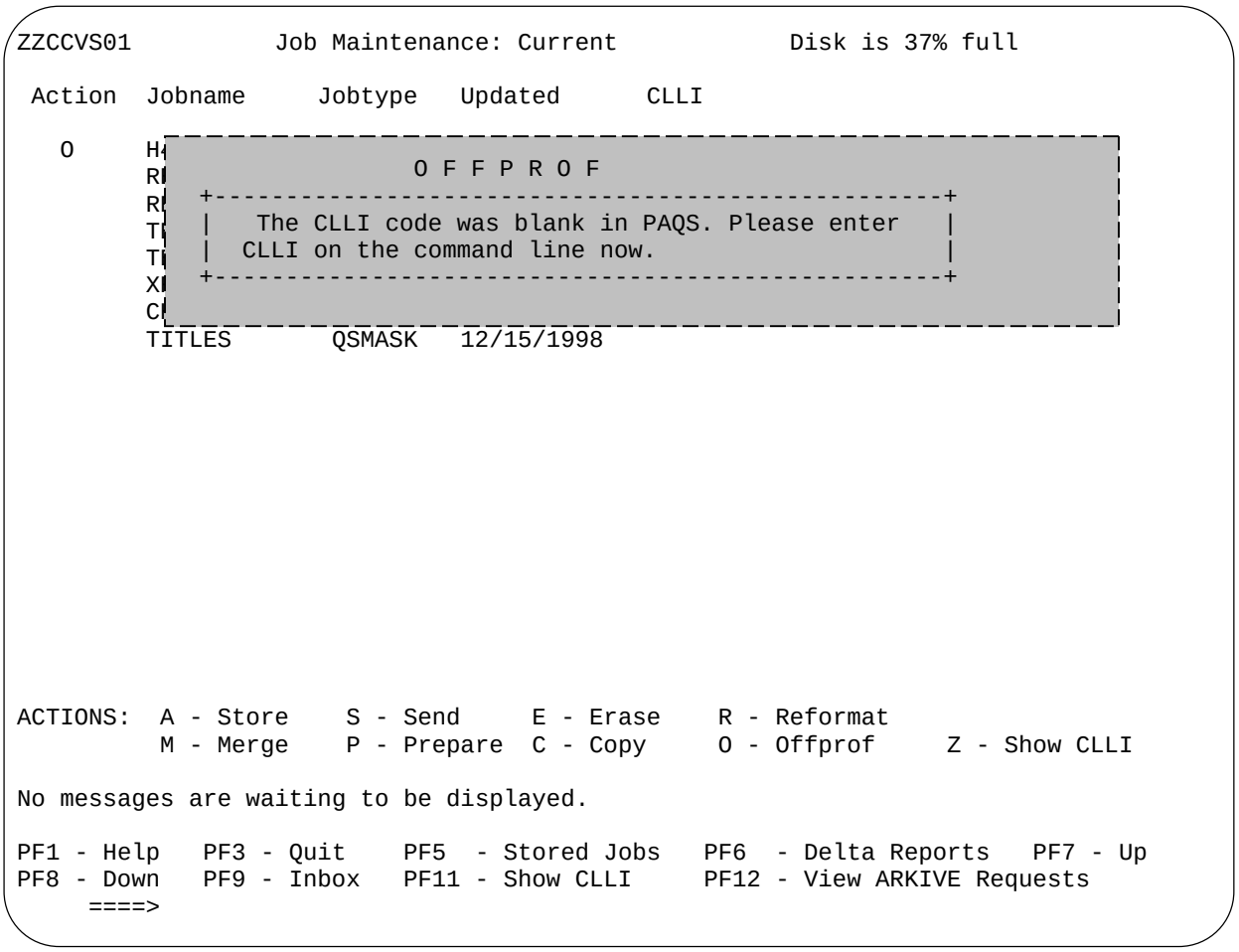
```
ZZCCVS01          Job Maintenance: Current           Disk is 37% full

 Action  Jobname     Jobtype   Updated      CLLI

   O     ┌──────────────────────────────────────────────────┐
         │                O F F P R O F                     │
         │  +-----------------------------------------------+
         │  |   Jobname: TESTJOB    Jobtype:  PAQS100       |
         │  |                                               |
         │  |   Press  ENTER  to extract an Office Profile  |
         │  |           or press  PF3  to QUIT              |
         │  +-----------------------------------------------+
         └──────────────────────────────────────────────────┘




ACTIONS:  A - Store    S - Send     E - Erase    R - Reformat
          M - Merge    P - Prepare  C - Copy     O - Offprof     Z - Show CLLI

No messages are waiting to be displayed.

PF1 - Help   PF3 - Quit    PF5  - Stored Jobs   PF6  - Delta Reports   PF7 - Up
PF8 - Down   PF9 - Inbox   PF11 - Show CLLI     PF12 - View ARKIVE Requests
      ====>
```

Step 2

Press <ENTER> to extract the office profile or <PF3> to quit.

The profile uses the CLLI name contained in the job. If a CLLI is not present, a CLLI prompt is issued as illustrated in Figure 5-17.

Figure 5-17
Current Job subsystem screen – enter CLLI



Step 3

Enter the CLLI. The pop-up window illustrated in Figure 5-18 is presented.

Figure 5-18
Current Job subsystem screen – extract is processed

```
ZZCCVS01          Job Maintenance: Current           Disk is 37% full

 Action  Jobname     Jobtype   Updated      CLLI
   O     +-------------------------------------------------------+
         |                   O F F P R O F                       |
         |  +-------------------------------------------------+  |
         |  |   Jobname: TESTJOB              Jobtype: PAQS100  |  |
         |  |                                                   |  |
         |  | Press ENTER to EXTRACT Office Profile.............|  |
         |  | or press PF3 to                                   |  |
         |  +-------------------------------------------------+  |
         +-------------------------------------------------------+









ACTIONS:  A - Store    S - Send     E - Erase    R - Reformat
          M - Merge    P - Prepare  C - Copy     O - Offprof     Z - Show CLLI

No messages are waiting to be displayed.

PF1 - Help   PF3 - Quit    PF5  - Stored Jobs   PF6  - Delta Reports   PF7 - Up
PF8 - Down   PF9 - Inbox   PF11 - Show CLLI     PF12 - View ARKIVE Requests
     ====>
```

Step 4

Press <ENTER> to extract the office profile or <PF3> to quit.

Note: The system presents confirmation messages while the extract is processed.

> Z (Show CLLI)

This command shows the CLLI code for a particular job. To see the CLLI code for a particular job, place a “z” next to the job and the appropriate CLLI for that job only will display. Pressing “PF11 – Show all CLLI” shows the CLLI for each job in the Current job listing. Pressing “PF11 – Drop all CLLI” returns the panel to the default display.

The Show CLLI pop–up window is illustrated in Figure 5-19.

Figure 5-19
Current Job subsystem screen – Show CLLI

```
ZZCCVS01          Job Maintenance: Current            Disk is 01% full

 Action  Jobname     Jobtype   Updated      CLLI

         TESTJOB     PAQS100   08/05/2003   TESTCLLICOD









ACTIONS:  A - Store    S - Send     E - Erase    R - Reformat
          M - Merge    P - Prepare  C - Copy     O - Offprof     Z - Show CLLI

WARN: CLLI codes are from FORTUNE Database  & may not match what is in job.

PF1 - Help   PF3 - Quit    PF5  - Stored Jobs   PF6  - Delta Reports   PF7 - Up
PF8 - Down   PF9 - Inbox   PF11 - Show CLLI     PF12 - View ARKIVE Requests
====>
```

If the job contains a CLLI, the CLLI will display under the CLLI field.

Delta Reports

Delta Reports provide a way to compare the equipment quantities of two separate jobs by providing a Delta Report which presents delta versions of the Equipment Summary and Answered Questionnaire reports.

How to obtain Delta Reports

To obtain Delta Reports, perform the following:

Note: You must have *at least two jobs* on your A-disk in order to gain access to the Delta Reports interface screen and run Delta Reports.

Step 1

Select menu item Job Maintenance from the NT-ACCESS main menu.

Step 2

Press <PF6> from the Current Jobs subsystem screen illustrated in Figure 5-20.

Figure 5-20
Current Job subsystem screen – delta versions

```
ZZCCVS01          Job Maintenance: Current            Disk is 01% full

 Action  Jobname     Jobtype   Updated      CLLI

         TESTJOB     PAQS100   08/05/2003
         TRSTJOB1    PAQS100   08/03/2003









ACTIONS:  A - Store    S - Send     E - Erase    R - Reformat
          M - Merge    P - Prepare  C - Copy     O - Offprof     Z - Show CLLI

WARN: CLLI codes are from FORTUNE Database  & may not match what is in job.

PF1 - Help   PF3 - Quit    PF5  - Stored Jobs   PF6  - Delta Reports   PF7 - Up
PF8 - Down   PF9 - Inbox   PF11 - Show CLLI     PF12 - View ARKIVE Requests
====>
```

The Delta Report Menu screen illustrated in Figure 5-21 is presented.

Figure 5-21
Delta Report Menu screen

```
                              Delta Report Menu

 Please enter a 1 and 2 in front of the two jobs you want to perform a delta
 report on.  Also   select the reports you want generated.

  _   TESTJOB    _   TESTJOB1



                          PF7 - UP        PF8 - DOWN
-------------------------------------------------------------------------------
 Equipment Summary (Y/N)  N                          Show Delta values (Y/N)  N
                                        Show PECS where Delta Value=0 (Y/N)  N

  N   Exist       N   Customer Add       N   Previous       N   NT-Add       N
Total
-------------------------------------------------------------------------------
 Answered Questionnaire (Y/N)  N                      Show Deltas Only (Y/N)  Y

-------------------------------------------------------------------------------
|                                                                             |
|                                                                             |
---------------------------------Message Window-------------------------------

    PF1 - HELP        PF3 - QUIT        PF12 - SUBMIT      <ENTER> - UPDATE
```

Step 3

Place a 1 or 2 in front of two jobs on the Delta Report Menu screen. The equipment quantities of job 1 appear in columns to the left of the equipment quantities of job 2 on the Delta Report.

Note: Three or more jobs cannot be compared simultaneously.

Step 4

Select the Equipment Summary report, the Answered Questionnaire report, or both by typing >**Y** over the default N after the report name.

Note: The Equipment Summary and Answered Questionnaire reports can be generated simultaneously. The Equipment Summary report is displayed first, followed by the Answered Questionnaire report.

Step 5

Type >**Y** in the field to the left of the report columns to select the report columns displayed on the Delta Report. A maximum of three columns is permitted. Exist, Customer Add, NT-Add, and Total are column headings on the Equipment Summary report. Prior entries in these columns serve as background parameters for Delta Reports. The Previous option on the Delta Report Menu provides comparative data from earlier provisioning runs.

Step 6

Press <ENTER> to update the screen with the current selections and to verify the validity of these selections. An error message is displayed for any invalid entries.

Step 7

Press <PF12> to create a Delta Report. The following prompt is presented:

```
Both of these jobs have Building Block pecs in them.
Would you like them to be exploded? Enter (Y/N)
```

Step 8

Type > **Y** to obtain a breakdown of Building Block PECs. Type > **N** to exclude the breakdown of Building Block PECs. More system messages are presented including the following:

```
Getting the pec descriptions. Please be patient.
```

The system presents the Delta Report on the screen.

Step 9

Print, download, or save the report in the scrapbook.

Note: <PF3> deletes the Delta Report.

Delta Report Menu screen PF keys

The Delta Report Menu screen PF keys are defined as follows:

- PF1
  - — invokes the online help facility
- PF3
  - — exits the Delta Reports module
- PF7
  - — scrolls backward through the list of jobs if more than 18 jobs are available
- PF8
  - — scrolls forward through the list of jobs if more than 18 jobs are available

- PF12
  - — generates the report or reports selected on the screen, including all specified options
  - — positions the cursor at the location of an error if invalid choices are made and presents a message in the message window explaining the error
- <ENTER>
  - — updates the screen with the current selections
  - — presents a message in the message window and positions the cursor at the location of the error if invalid choices are made

Multiple actions

An optional multiple submit or retrieve screen is now available to allow more than one request to be entered on a screen at a time. One > **A** (Store) action per job can be displayed in the Current Jobs listing or one > **R** (Retrieve) action per job can be executed in Stored Jobs.

Multiple store

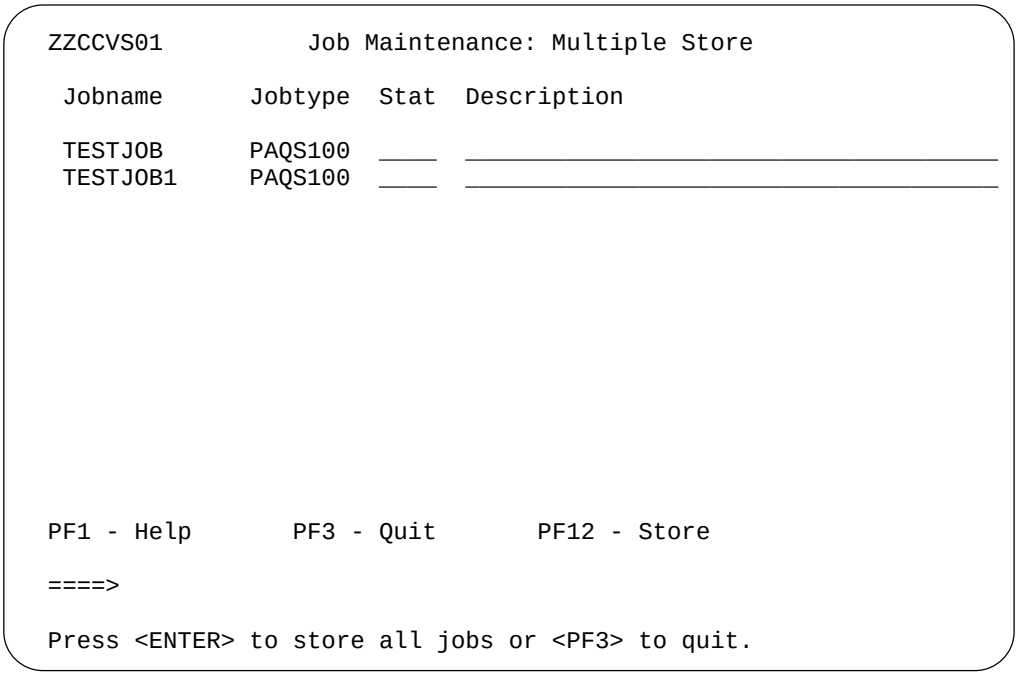
If more than one > **A** (Store) action is detected in the Action column on the Current Job subsystem screen, a pop-up window is presented with all job names and job types selected. The pop-up window includes areas where job status and description information can be typed in. An example for multiple store is illustrated in Figure 5-22.

Figure 5-22
Current Job subsystem screen – multiple store

```
    ZZCCVS01          Job Maintenance: Current            Disk is 01% full

 Action  Jobname     Jobtype   Updated      CLLI

 A       TESTJOB     PAQS100   08/05/2003
 A       TESTJOB1    PAQS100   08/05/2003

ACTIONS:  A - Store    S - Send     E - Erase    R - Reformat
          M - Merge    P - Prepare  C - Copy     O - Offprof     Z - Show CLLI

No messages are waiting to be displayed.

PF1 - Help   PF3 - Quit    PF5  - Stored Jobs   PF6  - Delta Reports   PF7 - Up
PF8 - Down   PF9 - Inbox   PF11 - Show CLLI     PF12 - View ARKIVE Requests
====>
```

If more than one > **A** (Store) action is detected in the Action column on the Current Job subsystem screen, the Multiple Store pop-up window illustrated in Figure 5-23 is presented.

Figure 5-23
Multiple Store pop-up window



Multiple Store pop-up window PF keys

The Multiple Store pop-up window PF keys are defined as follows:

- PF1
  - provides the online help facility
- PF3
  - returns to the Current Jobs screen
- PF12
  - stores the jobs listed on the pop-up window

Multiple retrieve

This command processes multiple retrieves. Multiple retrieves may be executed with or without the aid of pop-up windows. The command > **NOPROMPT** is available from the command line of the Stored Jobs List screen illustrated in Figure 5-24. If multiple > **R** (Retrieve) actions are detected in the action column on the Stored Jobs screen and > **NOPROMPT ON** is applied, the commands are executed without the verification of a pop-up screen. The pop-up window for > **R** (Retrieve) is turned on or off with the following commands on the command line: > **NOPROMPT ON** or > **NOPROMPT OFF**.

To perform a multiple retrieval without the aid of pop-up screens, perform the following steps:

1 Type > NOPROMPT ON on the command line of the Stored Jobs screen.
2 Type > R in the action column to the left of the job names to be retrieved.
3 Press <ENTER>. The system displays an estimate of retrieval time and then retrieves the jobs without the pop-up screens.

Note: > **NOPROMPT OFF** is the system default and should be typed on the command line when multiple retrieval of jobs is complete.

This process is illustrated in Figure 5-24.

Figure 5-24
Stored Jobs List screen – multiple retrieve

```
ZZCCVS01       JOB MAINTENANCE:  STORED  as of   08/15/2003  at  08:36:16

 Action  Jobname     Jobtype    Issue    Owner       Date

         H4A001      PAQS100     02      FREDHUGH    03/12/2003
         H4A001      PAQS100     01      FREDHUGH    10/17/2002
         H4A002      PAQS100     03      NORPWM02    01/20/2003
         H4A002      PAQS100     02      NORPWM02    10/21/2002
         H4A002      PAQS100     01      NORPWM02    10/18/2002
         H4A003      PAQS100     02      ATLVMF08    10/18/2002
         H4A003      PAQS100     01      ATLVMF08    10/18/2002
         H4A004      PAQS100     01      ATLSAE13    10/18/2002
         H4A005      PAQS100     01      MBURNS      01/08/2003
         H4A005      PAQS100     02      NORRJM02    11/22/2002
         H4A005      PAQS100     01      NORRJM02    11/08/2002
         H4A006      PAQS100     02      ATLSAE13    12/04/2002
         H4A006      PAQS100     01      ATLSAE13    11/08/2002
         H4A007      PAQS100     01      ATLSAE13    11/07/2002
         H4A008      PAQS100     02      NORPSJ02    07/17/2003
         H4A008      PAQS100     01      NORPSJ02    07/16/2003
         H4A008      PAQS100     01      NORPWM02    03/18/2003
         H4A008      PAQS100     03      ATLSAE14    01/24/2003
         H4A008      PAQS100     02      ATLSAE14    11/06/2002
         H4A008      PAQS100     01      ATLSAE14    11/01/2002
         H4A009      PAQS100     02      ATLVMF08    11/02/2002
         H4A009      PAQS100     01      ATLVMF08    11/01/2002
         H4A010      PAQS100     02      ATLSAE13    01/15/2003
         H4A010      PAQS100     01      ATLSAE13    11/07/2002
         H4A011      PAQS100     01      RIJES01     09/05/2002
         H4A012      PAQS100     02      ATLSAE13    11/19/2002
         H4A012      PAQS100     01      ATLSAE13    11/07/2002
         H4A013      PAQS100     02      ATLVMF08    11/02/2002

ACTIONS:  I - Info    R - Retrieve  T - Transfer  E - Erase
          M - Modify  P - Permit    U - Unpermit

THE ESTIMATED RETRIEVE PROCESSING TIME (HH:MM:SS) IS: 00:01:00

PF1  - Help      PF2  - Current Jobs   PF3  - Quit   PF5 - Select Jobs
PF6  - Listings  PF7  - Up             PF8  - Down   PF9 - Inbox
PF10 - Status    PF11 - Top            PF12 - Bottom
====>
```

Note: The estimated job retrieval time is dependant on system availability. Retrieval is faster during non-prime time hours.

Inbox list function

The Inbox screen displays the names of jobs or files sent to the userID. Press <PF9> from the Current Job subsystem screen illustrated in Figure 5-6 on page 5-9 or from the Stored Job List screen illustrated in Figure 5-24 to access the Inbox screen.

The Inbox screen illustrated in Figure 5-25 is presented.

Figure 5-25
Inbox screen

```
ZZCCVS01          Job Maintenance: Inbox          Disk is 01% full

 Action  Jobname     Jobtype     Sender      Format

         TESTJOB     PAQS100     ZZCCVS01    VARKPACK    0056
         TESTJOB1    PAQS100     ZZCCVS01    VARKPACK    0059









ACTIONS:  R - Receive   E - Erase   P - Report Manager   L - List

No messages are waiting to be displayed.

PF1 - Help      PF2 - Current Jobs   PF3 - Quit       PF4 - Return
PF5 - Stored Jobs  PF7 - Up             PF8 - Down
====>
```

Inbox screen PF keys

The Inbox screen PF keys are defined as follows:

- PF1 = Help
  - — invokes the online help facility
- PF2 = Current Jobs
  - — presents the Current Jobs screen
- PF3 = Quit
  - — exits the current screen and returns to the main menu
- PF5 = Stored Jobs
  - — presents the Stored Jobs screen through the Job Selection screen

- PF7 = Up
  - — scrolls backward one screen
- PF8 = Down
  - — scrolls forward one screen

Inbox actions

To initiate an action type one character in the action column next to a job.

A pop-up window appears in the middle of the screen. Only what is inside the window is functional until the pop-up window is gone. Enter data and then press <ENTER> to process or <PF3> to quit. The pop-up windows are illustrated in Figures 5-26 and 5-27.

Use the arrow and tab keys to move the cursor inside of any pop-up window.

> R (Receive)

This command moves a job or mask from the Inbox to the Current Job Listing.

A pop-up window displays the name and sender of the job. Press <ENTER> to receive the job or <PF3> to quit.

The Receive pop-up window is illustrated in Figure 5-26.

Figure 5-26
Receive pop-up window

```
                R E C E I V E
      +-------------------------------------------------+
      |   Jobname: TESTJOB   Jobtype: PAQS100           |
      |   Sender:  ZZCCVS01                             |
      |                                                 |
      |      Press  ENTER  to RECEIVE this copy         |
      |        or press  PF3  to QUIT                   |
      +-------------------------------------------------+
```

> E (Erase)

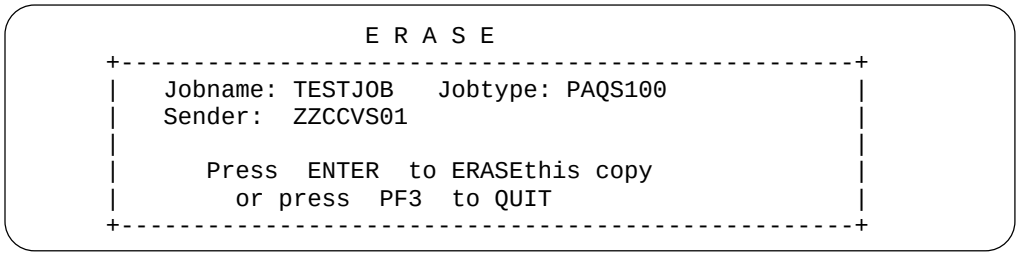
This command erases a file from the Inbox.

A pop-up window appears. Be sure that this is the file to erase before pressing <ENTER>. Press <PF3> to quit without erasing the file.
If the file was retrieved from offline storage and was erased from the Inbox, the file still exists in offline storage and can be retrieved again.

> ***Note:*** Files only remain in the Inbox for five days and then are automatically erased by the system.

The Erase pop-up window is illustrated in Figure 5-27.

Figure 5-27
Erase pop-up window – inbox actions



> P (Report Manager or Print)

This command allows the use of report manager functions on a file with a job type of listing.

> L (List)

This command lists a file from the Inbox. This process is only permitted for files with a file type of listing.

Stored Jobs subsystem

Job Selection screen

The Stored Job Selection screen provides a method that is used to obtain a subset of jobs from the set of all stored jobs. Special criteria may be typed in any of the fields displayed on this screen.

After the selection is made, press <ENTER> and the system generates a list of jobs that match the criteria specified. List generation takes longer if several jobs are processed. The list of jobs is displayed on the Stored Jobs List screen illustrated in Figure 5-24 on page 5-31.

The Stored Job Selection screen is illustrated in Figure 5-28.

Figure 5-28
Stored Job Selection screen

```
 ZZCCVS01              Stored Job Selection

------------------------------------------------------------
 Select the stored jobs that you wish to use. The * in the fields
 below indicate that all jobs will be listed. Information about jobs
 can be entered in these fields to limit the size of the listing that
 is generated.  ENTER  will process your request.

   Date Submitted Range (mm/dd/yyyy):  01/01/1989  to 08/05/2003

   Jobname:    *            For "wildcard" searching
   Jobtype:    *            follow the selected text
   Groupid:    *            item with an asterick.
   Owner:      *
   Status:     *            EXAMPLE: Desc:     TEST*
   Desc:       *
   ListSize:   250




THE ESTIMATED RETRIEVE PROCESSING TIME (HH:MM:SS) IS: 00:02:02

PF1 - Help     PF2 - Current Jobs     PF3 - Quit
PF4 - Return   PF5 - Request Status   PF9 - INBOX
====>
```

Use the tab key to move the cursor to the alterable fields on this screen.

Stored Job Selection screen fields

The Stored Job Selection screen fields are defined as follows:

- Date submitted range
  - — The date range is changed to narrow the job selection. <TAB> to the date type the new date over the old in the same format and press <ENTER>.
- Selection fields
  - — An asterisk (*) next to a field name is the default value for that field. All fields are marked with asterisks when the screen is first presented. If the values are not changed, the system generates a list of all jobs that are available.

To change the value of any of these fields, enter a whole value or the beginning of a value with an asterisk as a wildcard. The example in Figure 5-29 illustrates the different ways to use the asterisk.

Figure 5-29
Wildcard samples

```
Jobname:    H12*         For "wildcard" searching
Jobtype:    PAQS100      follow the selected text
Groupid:    *            item with an asterick.
Owner:      ZZCCVS
Status:     PLAN         EXAMPLE: Desc:     TEST*
Desc:       *
ListSize:   250
```

The asterisk, as displayed in Figure 5-29, causes the system to generate a list of all jobs in the following categories:

- job names beginning with H12 and a job type of PAQS100
- jobs that belong to any userID from any group, if the userID begins with ZZCVS
- job names with a status that begins with plan
- job names with any description

Valid Job Selection entries

Valid entries for the Stored Job Selection screen must have an eight character job name consisting of either alpha or numeric characters, a job type of PAQS100 or QSMASK, and a valid ARCHIVE group name.

Valid Nortel Networks regional ARCHIVE group names

The most commonly used regional ARCHIVE group names are listed as follows:

ATLANTA

- soengr

CHICAGO

- cnengr

DALLAS

- swengr

DENVER

- weengr

IOC

- indengr

MCLEAN

- maengr

SPRINT

- sprengr

SAN RAMON

- pcengr

VALHALLA

- neengr

WESTBORO

- fdengr

Valid userID accounts

Valid entries for the userID are eight character account names that begin with the letters ZZC.

Valid job status entries

The following standards were developed to distinguish the status of a job. A maximum of four characters is allowed. Status describes the order status of the job. The recommended status categories are listed as follows:

Customer environment

- PLAN
  - — provisioning and pricing completed by operating company planners
- DSGN
  - — provisioning and pricing completed by operating company design engineers
- ENG
  - — provisioning and pricing completed by operating company equipment engineers
- COHI
  - — change on host initial
- COHE
  - — change on host extension
- CORI
  - — change on remote initial
- CORE
  - — change on remote extension

Nortel Networks environment, engineering (order is being processed by Nortel Networks)

- HCI
  — host CI
- HCIE
  — host CI extension
- RCI
  — remote CI
- RCIE
  — remote CI extension
- HRQ
  — host request for quotation
- HRQE
  — host request for quotation extension
- RRQ
  — remote request for quotation
- RRQE
  — remote request for quotation extension
- COHI
  — change on host initial
- COHE
  — change on host extension
- CORI
  — change on remote initial
- CORE
  — change on remote extension

NT environment, marketing (order is being processed by NT)

- FPQ
  - firm price quote
- COHI
  - change on host initial
- COHE
  - change on host extension
- CORI
  - change on remote initial
- CORE
  - change on remote extension

The operating company only modifies job status with the categories listed under customer environment. Nortel Networks updates the engineering and marketing categories as the order is processed in Nortel Networks. It is strongly recommended to update regularly the job status field to help track issues of the same job and to identify the status of a job.

Valid description entries

Valid description entries are job descriptions that are limited to 40 characters. Job descriptions should include information about the job (for example, CLLI code and office components).

Stored Job Selection screen PF keys

The Stored Job Selection screen PF keys are defined as follows:

- PF1 = Help
  - invokes the online help facility
- PF2 = Current Jobs
  - presents the Current Jobs screen
- PF3 = Quit
  - exits the current screen and returns to the main menu
- PF9 = Inbox
  - presents the Inbox screen which provides a list of all incoming jobs, masks, or reports

Stored Jobs List screen

The system creates a list of jobs from the criteria entered on the Job Selection screen. The Stored Job List screen is illustrated in Figure 5-30.

Figure 5-30
Stored Job List screen

```
ZZCCVS01  JOB MAINTENANCE: STORED as of  08/05/2003  at  15:48:46

Action  Jobname    Jobtype   Issue   Owner      Date

        TESTJOB    PAQS100    01     ZZCCVS01   08/05/2003
        TESTJOB1   PAQS100    01     ZZCCVS01   08/05/2003

ACTIONS:  I - Info    R - Retrieve  T - Transfer  E - Erase
          M - Modify  P - Permit    U - Unpermit

THE ESTIMATED RETRIEVE PROCESSING TIME (HH:MM:SS) IS: 00:00:01

PF1  - Help      PF2  - Current Jobs   PF3  - Quit   PF5 - Select
Jobs
PF6  - Listings  PF7  - Up             PF8  - Down   PF9 - Inbox
PF10 - Status    PF11 - Top            PF12 - Bottom
====>
```

All of the PF keys and actions listed on this screen are available for use.

Stored Job List screen fields

The Stored Job List screen fields are defined as follows:

- UserID
  - — specific account that the customer is logged onto (for example, ZZCVS01)
- <date> at <time>
  - — time and date the screen was accessed
- Jobname
  - — name of the job
- Jobtype
  - — type of job
- Issue
  - — issue number assigned to the job by Stored Jobs
- Owner
  - — userID presently in control of the job (has the write ability) only the owner may transfer, erase, modify, permit, or unpermit a job
- Date
  - — date the job was stored

Stored Job List screen PF keys

The Stored Job List screen PF keys are defined as follows:

- PF1 = Help
  - — invokes the online help facility
- PF2 = Current Jobs
  - — presents the Current Jobs screen
- PF3 = Quit
  - — exits the stored screen and returns to the main menu
- PF5 = Select Jobs
  - — returns to the Job Selection screen
- PF6 = Listings
  - — permits access to a report window

  Figure 5-31 shows a listing of jobs created by pressing PF6 from the Stored Job List screen.

Figure 5-31
Stored Job Listing report

```
  REPORT MANAGER :  PEC -        .        Y                 Top line is line 1
Use PF12 to search for more info on         .        Y        .
 +-------------------------------------------------------------------------------
 |
 |  5 Sep 2003                                      STORED JOBS for ZZCCVS01
 |
 +-------------------------------------------------------------------------------

 JOBNAME      : TESTJOB  PAQS100        ISSUE: 01          DATE: 08052003     D
 STATUS       : TEST                    OWNER: ZZCCVS01                       T
 PERMITTED TO : RTPENGR              ALLENG               GTESPEC

 JOBNAME      : TESTJOB1 PAQS100        ISSUE: 01          DATE: 08052003     D
 STATUS       : TEST                    OWNER: ZZCCVS01                       T
 PERMITTED TO : RTPENGR              ALLENG               GTESPEC




PF1-Help PF2-Configure PF3-Quit PF4-Print PF5-Download PF6-Repeat Search
PF7-Up  PF8-Down  PF9-Scrapbook  PF10-Right/Left PF11-Cut PF12-Where Used
====>
```

- PF7 = Up
  — scrolls backward one screen
- PF8 = Down
  — scrolls forward one screen
- PF9 = Inbox
  — returns to the Inbox screen
- PF10 = Status
  — show status of requests
- PF11 = Top
  — moves to top of list
- PF12 = Bottom
  — moves to bottom of list

Date and time on the Stored Jobs List screen

The date and time displayed on the Stored Jobs List screen is the last date and time that Stored Jobs was accessed.

Changes processed after that date and time, for example during the current session, are not reflected in any of the jobs that are listed. This case is true

even if a system message comes back to verify that a request was successfully completed.

To see an updated stored job list, exit the screen, enter the job selection information, and return to the Stored Job List screen again to ensure that the job data presented is up to date.

If a stored list was generated during the current job maintenance session, the screen was left to do something else, and the Stored Jobs List screen was reentered to continue working with Stored Jobs. Recall the last list by typing > **PREV** on the command line at the bottom of the screen, and then press <ENTER>.

Stored Job List screen actions

> I (Info)

This command displays information about a job. A pop-up window is presented with basic information about the job. Press <ENTER> to return to the Stored Job List screen.

The Information pop-up window is illustrated in Figure 5-32.

Figure 5-32
Information pop-up window

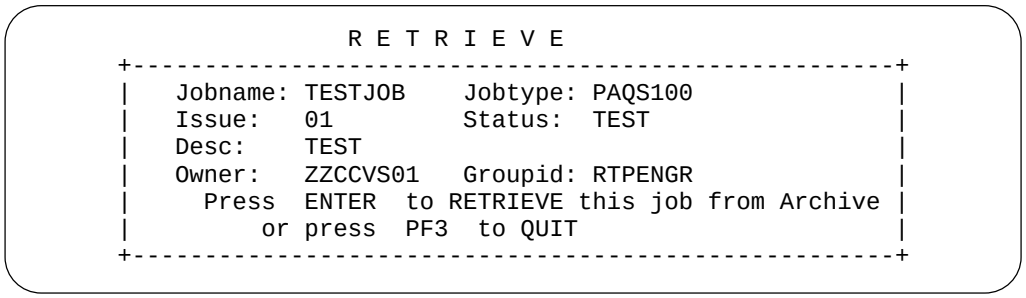
```
                I N F O R M A T I O N
      +-------------------------------------------------+
      |   Jobname: TESTJOB    Jobtype: PAQS100          |
      |   Owner:   ZZCCVS01   Groupid: RTPENGR          |
      |   Issue:   01         Status:  TEST             |
      |   Desc:    TEST                                 |
      |   Stored on:  08052003                          |
      |                                                 |
      |   Job Permitted to:   RTPENGR  ALLENG    GTESPEC    |
      |                                                 |
      |                                                 |
      |           <ENTER - go back to job listing>      |
      +-------------------------------------------------+
```

> R (Retrieve)

This command retrieves a file from offline storage. When a file is retrieved, a request is submitted that the file be taken from offline storage and put in the Inbox. When the job arrives from offline storage and appears in the Inbox, receive the job. Job retrieval from tape can take up to four hours to complete.

The Retrieve pop-up window is illustrated in Figure 5-33.

Figure 5-33
Retrieve pop-up window



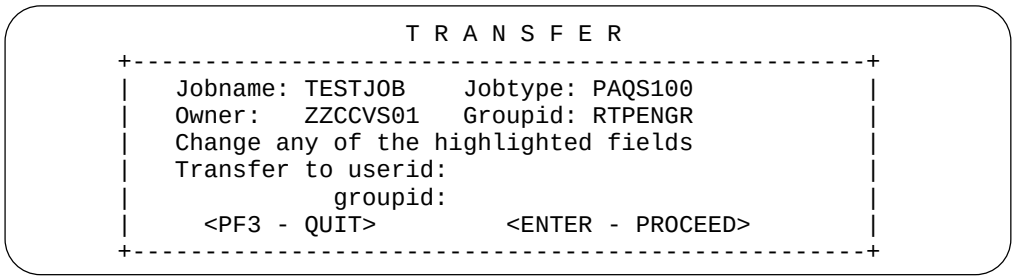
Press <ENTER> to continue or <PF3> to quit.

> T (Transfer)

This command transfers ownership of a job to another group or userID. When a job is transferred, the ownership of that job is transferred from the group or userID to another group or userID. The original userID or group no longer owns the job. Only userIDs that own jobs can transfer them.

The Transfer pop-up window is illustrated in Figure 5-34.

Figure 5-34
Transfer pop-up window



When a job is transferred, all previous issues of the job owned by a userID, except the last transferred issue, are erased from the system. The userID transferring ownership retains a copy of the job. This is a read-only copy and the userID is displayed under owner.

The transfer fails if the receiving userID already owns the same job with the same or higher issue or if the receiving userID already owns an un-transferred version of the job.

> E (Erase)

This command erases a file stored in offline storage. This process removes the file from the Stored Jobs subsystem and permanently deletes the file. *It can never be retrieved or restored*. Be cautious with this feature.

The Erase pop-up window is illustrated in Figure 5-35.

Figure 5-35
Erase pop-up window – stored jobs

```
                    E R A S E
+-------------------------------------------------+
|   Jobname: TESTJOB    Jobtype: PAQS100          |
|   Issue:   01         Status:  TEST             |
|   Desc:    TEST                                 |
|                                                 |
|     Press  ENTER  to ERASE    this job from Archive |
|         or press  PF3  to QUIT                  |
+-------------------------------------------------+

***  ATTENTION! This ERASE permanently removes job  ***
***  files from the ARCHIVE Tape Storage System.    ***
```

> M (Modify)

If a job file has an incorrect job description or status, use Modify to make the needed change. The only fields that can be modified are Status and Desc.

The Modify pop-up window is illustrated in Figure 5-36.

Figure 5-36
Modify pop-up window

```
                    M O D I F Y
+-------------------------------------------------+
|   Jobname: TESTJOB    Jobtype: PAQS100          |
|   Owner:   ZZCCVS01   Groupid: RTPENGR          |
|   Change any of the highlighted fields          |
|   Status:  TEST                                 |
|   Desc:    TEST                                 |
|     <PF3 - QUIT>         <ENTER - PROCEED>      |
+-------------------------------------------------+
```

To make a change, type the new information over the old.

Although any string of up to four characters is allowed, the status of a job should be one of the abbreviations included in “Valid job status entries” on page 5-37.

The description field allows up to forty characters. The recommended standard is to include the full CLLI code, the program year of the office, and a short description regarding the office parameters.

A description example follows: DNVRCO01————, 1990, 50000 line DMS-100 with Supernode and 250 ACD lines.

> P (Permit)

This command permits another userID or group to view a job.

Permitting a group to view a job allows all userIDs in that group to have access to the job files. If only a specific userID is permitted, that userID is the only userID from the permitted group that can view the job file.

The Permit pop-up window is illustrated in Figure 5-37.

Figure 5-37
Permit pop-up window

```
                    P E R M I T
+-----------------------------------------------------+
|   Jobname: TESTJOB    Jobtype: PAQS100              |
|   Issue:   01                                       |
|   Job Permitted to:   RTPENGR  ALLENG    GTESPEC    |
|                                                     |
|                                                     |
|       Please enter the group or user you            |
|         want to PERMIT to this job:                 |
|                                                     |
|      Userid:             Groupid:                   |
|       <PF3 - QUIT>       <ENTER - PROCEED>          |
+-----------------------------------------------------+
```

Note: Refer to the ARCHIVE group names listed in "Valid Job Selection entries" on page 5-36.

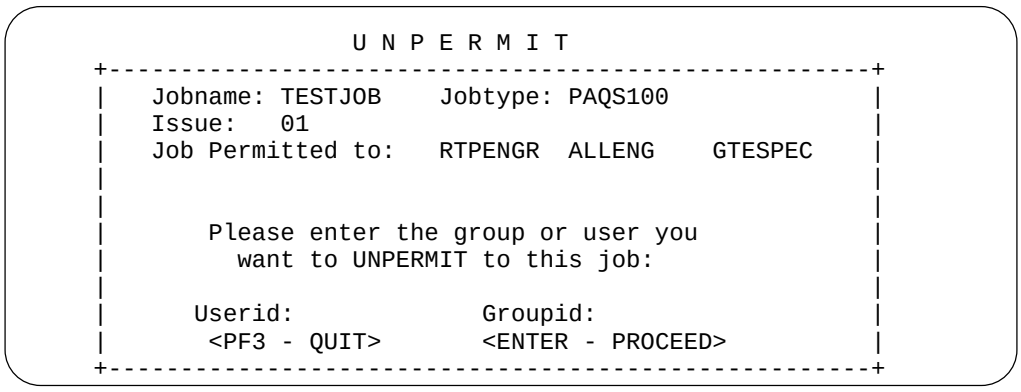
> U (Unpermit)

This command retracts permission to view a job file.

Unpermitting a group to view job files means that userIDs in that group that previously had read-only access to the job will no longer have the capability. If an individual userID is specified, then only that userID is unable to view the job files.

The Unpermit pop-up window is illustrated in Figure 5-38.

Figure 5-38
Unpermit pop-up window



Note: Refer to the ARCHIVE group names listed in "Valid Job Selection entries" on page 5-36.

Other Job Maintenance commands in Stored Jobs

A list of Job Maintenance commands available in Stored Jobs is detailed as follows:

- > REPORT
  - > **REPORT** obtains user directory and group activity reports. To execute these commands, move the cursor with the arrow keys (<TAB> key will not work) to the command line (=====>) at the bottom of the screen. When the cursor is in the correct position, the following commands generate these special reports:
  - REPORT GROUP <ARCHIVE group name> generates a directory for the group that is specified. It identifies all userIDs in an ARCHIVE group. Refer to ARCHIVE group names listed in "Valid Job Selection entries" on page 5-36.
  - > **REPORT GROUP *** generates a directory that lists all ARCHIVE groups and all userIDs in the specified ARCHIVE groups.
  - > REPORT GROUP <ARCHIVE group name> REQ * generates an activity report for the ARCHIVE group that is specified. It details what types of commands were executed. Refer to ARCHIVE group listed in "Valid Job Selection entries" names on page 5-36.
- > LOCATE
  - > **LOCATE** helps sort through long stored job listings. To find a particular job in the Stored Job facility, use the arrow key to go to the command line (=====>) at the bottom of the screen and type > **LOCATE <jobname>**.
    - LOCATE <jobname> locates the first occurrence of the job name and brings it to the top of the listing screen.

Technical Information Library

What is the Technical Information Library

The Technical Information Library (TIL) is a sub module of NT-ACCESS. TIL contains information about the Nortel Networks Integrated Network Systems (INS) products, including DMS-100 Family and network products.

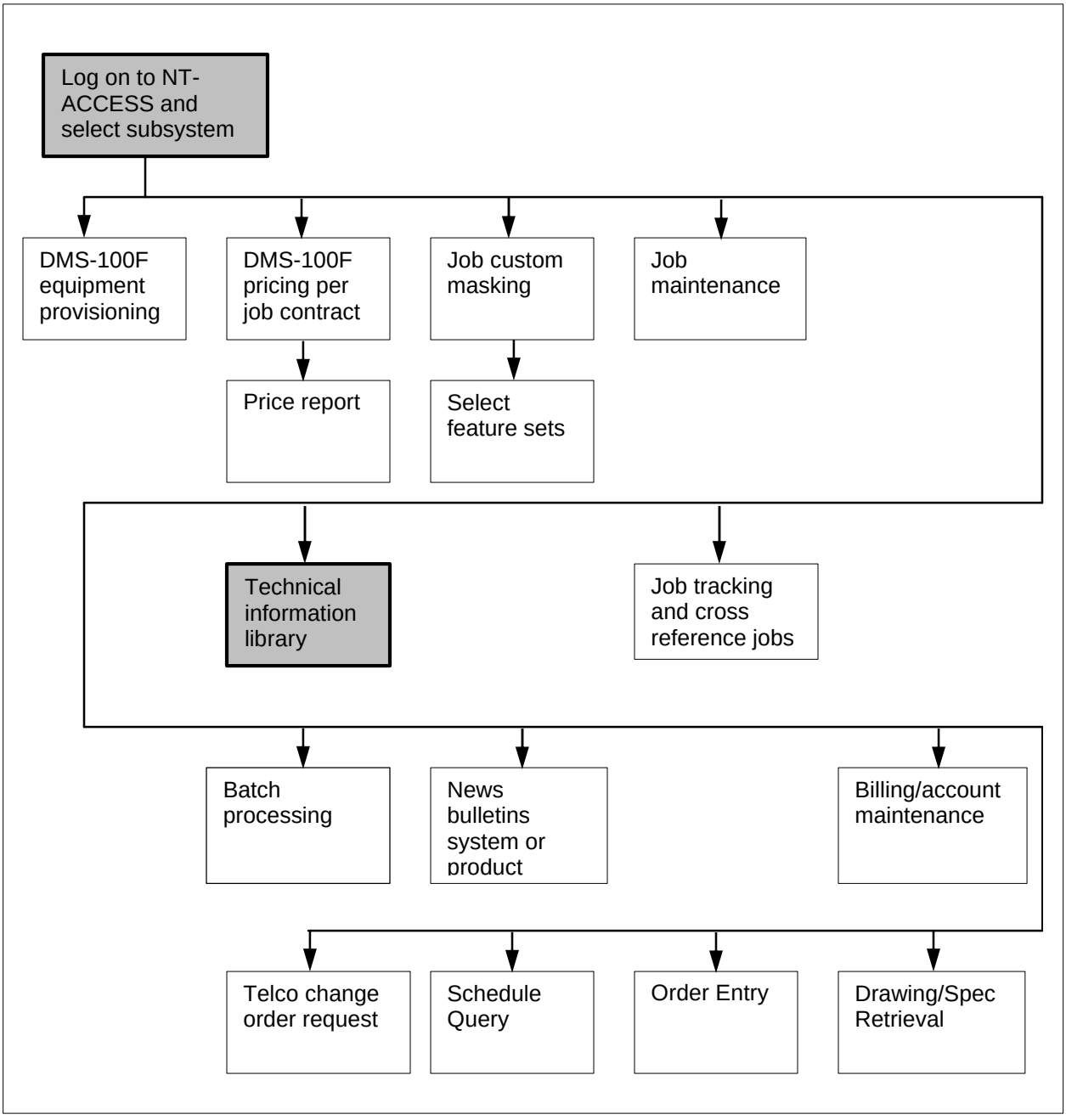
This centralized, online repository of current technical information provides a standardized method of researching and processing technical information that

- enables operating companies to evaluate directly specific aspects of INS products without having to contact Nortel Networks representatives
- allows operating companies to respond directly to technical inquiries
- assists both operating company and Nortel Networks personnel in developing rapid, accurate responses to requests for information (RFI) and action items
- provides consistent responses to similar questions that may be answered by different people or the same person at different times
- enhances the usefulness of existing documentation by providing a central collection of references to current documentation organized by topic

When a PC is used to access TIL, the desired information can be downloaded to disk storage. Word processing software can then be used to make any additions, changes, or deletions that are appropriate to the task at hand. This efficient, electronic cut-and-paste method can be used, for example, to reorganize and reformat the technical summaries to a document that responds item by item to a request for information.

The relationship between the TIL and NT-ACCESS is illustrated in Figure 6-1.

Figure 6-1
NT-ACCESS process flow – Technical Information Library



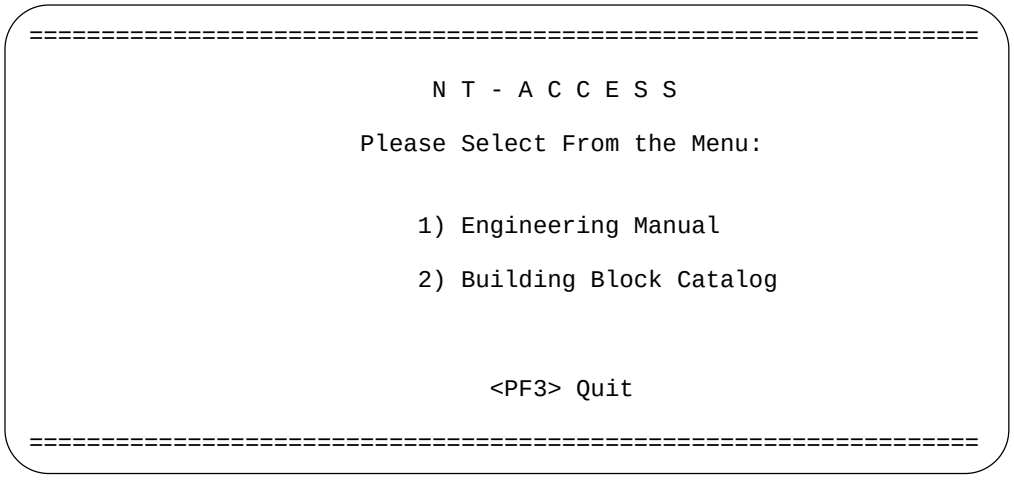
To access TIL, select menu item Technical Info Library from the NT-ACCESS main menu illustrated in Figure 6-2.

Figure 6-2
NT-ACCESS main menu – Technical Info Library

```
=====================================================
                    NORTEL NETWORKS

                  N T - A C C E S S
       AUTOMATED PLANNING AND ORDER CAPTURE SYSTEM
                     Release 414

               Please Select From the Menu:

 1 DMS-100F Provisioning      7 News Bulletins
 2 DMS-100F Pricing           8 Billing/Account Maint.
 3 Create a Custom Mask       9 Drawing/Spec Retrieval
 4 Job Maintenance            10 Schedule Query
 5 Technical Info Library     11 Telco Change Order Request
 6 Batch Processing

                      <PF3> Quit
=====================================================
```

The TIL main menu illustrated in Figure 6–3 is presented.

Figure 6-3
TIL main menu



TIL main menu items

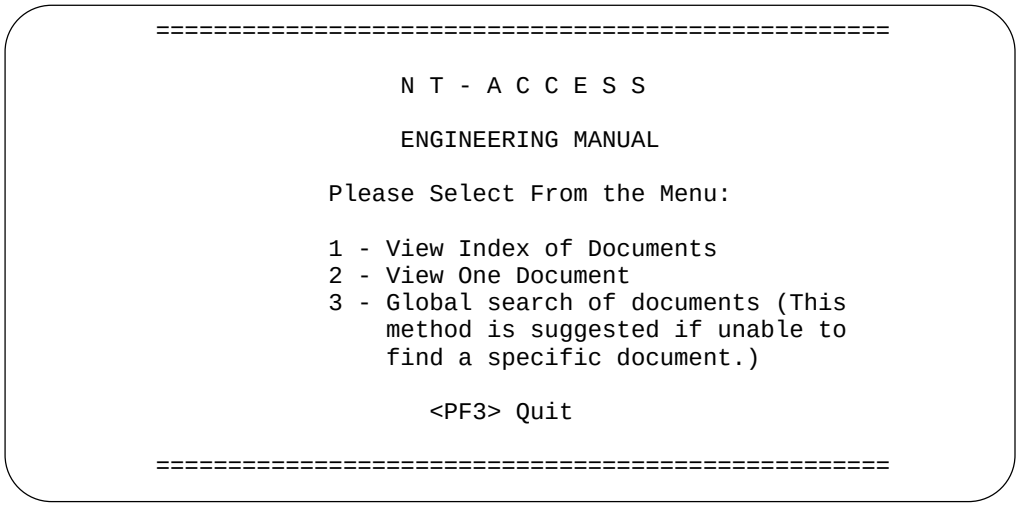
The TIL main menu items represent categories of documents stored online. The items are defined as follows:

- Engineering Manual
  - — A document that provides Nortel Networks standard engineering rules by product engineering code (PEC) including always provided equipment.
  - — To access Engineering Manual Documents select menu option 1.
- Building Block Catalog
  - — A document that provides an alphabetical listing of Building Block Codes and the associated PECs which comprise each building block code.
  - — To access Building Block Catalog select menu option 2.

  Note: Each menu item displays the date and time of the most recent change to a document in that category.

Engineering Manual

Figure 6-4
Engineering Manual menu



How to view an Engineering Manual document

To view an Engineering Manual document for a specific PEC, an index of PECs that include that specific PEC can be displayed. There are two ways to proceed:

To view an Engineering Manual document for a specific PEC, perform the following steps:

— Select menu item 1, View Index of Documents, from the Engineering Manual menu illustrated in Figure 6-4.

or

— Select menu item 2, View One Document, from the Engineering Manual menu. Type the PEC to open a document.

The indexes and documents are displayed through ”Charlotte”, a VM/CMS–based web browser. For more information on using this web browser, press <PF1> to access the product’s on–line help function. To return to NT–Access, press <PF12>.

How to perform a global search of documents

Select menu item 3, Global Search of Documents, from the Engineering Manual to search for a word or phrase of interest and the system presents the following prompt:

```
Enter phrase to be searched:
```

Enter the word or phrase.

When the search is complete, an index is displayed through ”Charlotte,” a VM/CMS-based web browser. For more information on using this web browser, press <PF1> to access the product’s on–line help function. To return to NT-Access, press <PF12>.

Building Block Catalog

The Building Block Catalog can be viewed online, printed, or downloaded through ”Charlotte”, a VM/CMS-based web browser. For more information on using this web browser, press <PF1> to access the product’s on–line help function. To return to NT-Access, press <PF12>.

Batch Processing

What is Batch Processing?

Batch Processing is a sub module of NT-ACCESS that is used to execute multiple activities offline without intervention, such as submit job, check job status, and receive job output. Batch Processing is also available for provisioning, pricing, and report generation. When a job is submitted to the batch processor, other tasks in NT-ACCESS may be performed, or > **LOGOFF** may be issued while the commands are processing. The results of Batch Processing are available for later review.

The relationship between Batch Processing and NT-ACCESS is illustrated in Figures 7-1 and 7-2.

Figure 7-1
NT-ACCESS process flow – Batch Processing part A

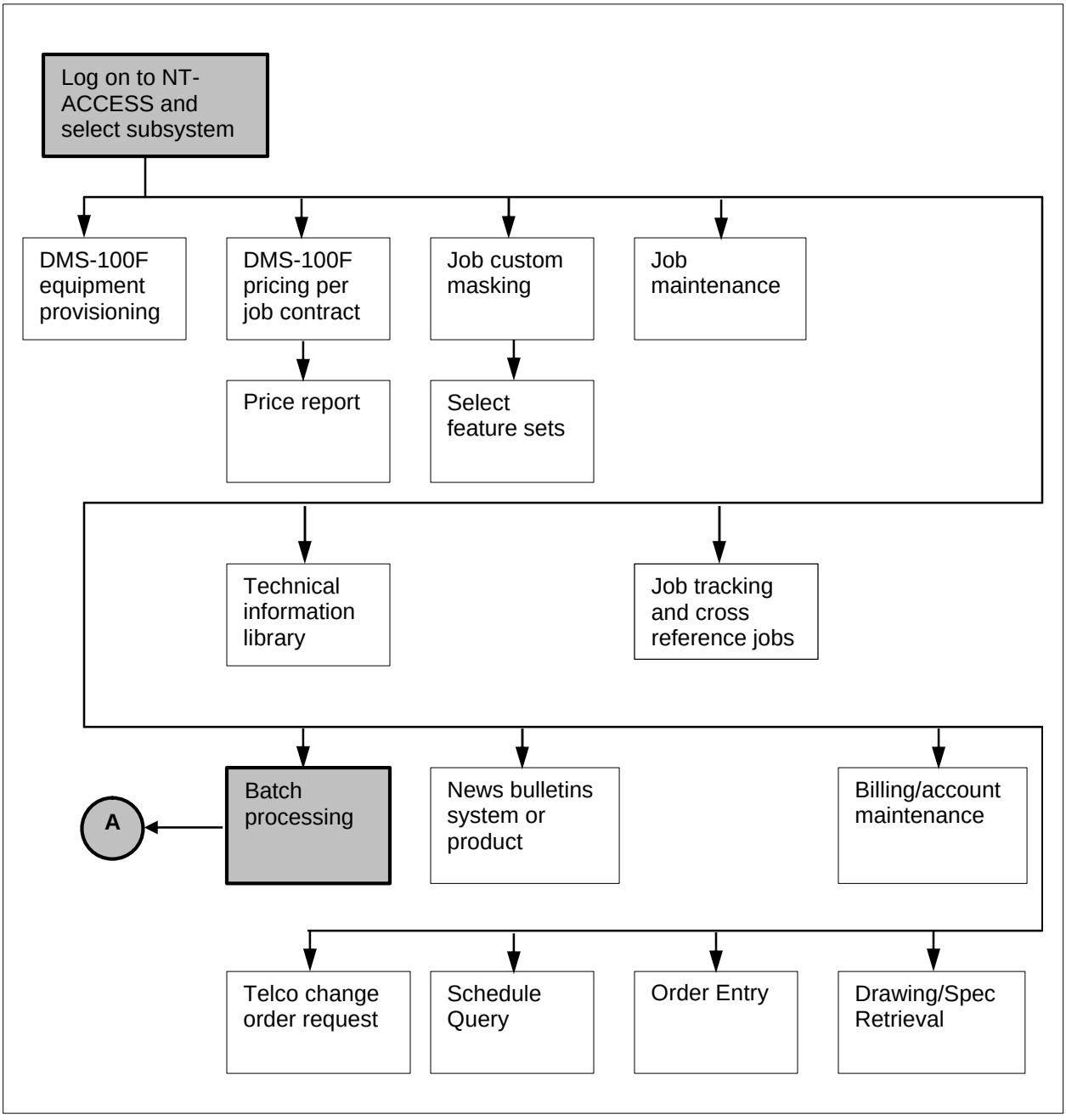
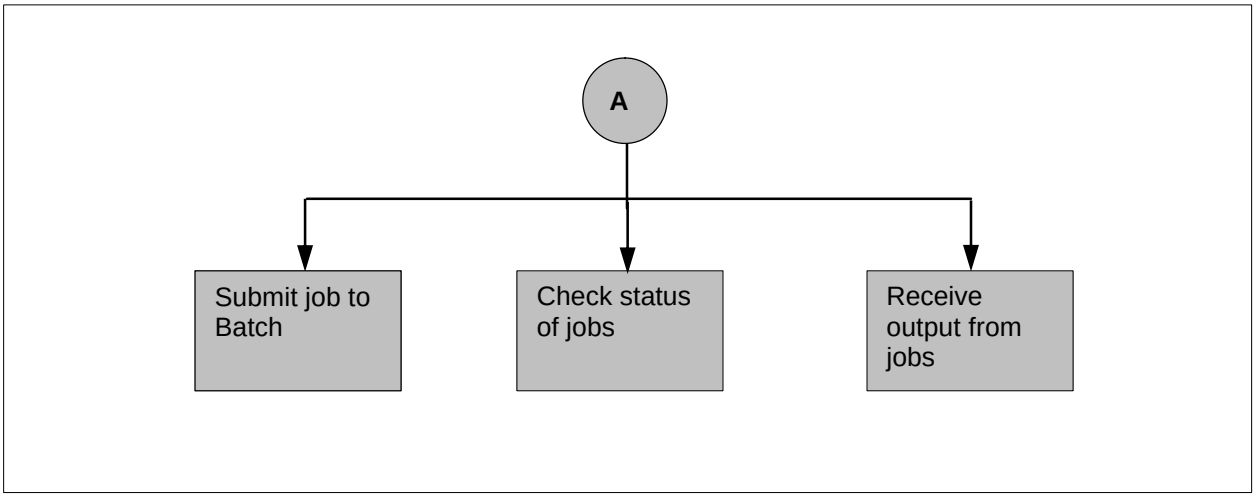


Figure 7-2
NT-ACCESS process flow – Batch Processing part B



To access the NT-ACCESS Batch Process, select menu item Batch Processing from the NT-ACCESS main menu illustrated in Figure 7-3.

Figure 7-3
NT-ACCESS main menu – Batch Processing

```
=====================================================
                   NORTEL NETWORKS

                  N T - A C C E S S
       AUTOMATED PLANNING AND ORDER CAPTURE SYSTEM
                    Release 414

              Please Select From the Menu:

 1 DMS-100F Provisioning      8 News Bulletins
 2 DMS-100F Pricing           8 Billing/Account Maint.
 3 Create a Custom Mask       9 Drawing/Spec Retrieval
 4 Job Maintenance            10 Schedule Query
 5 Technical Info Library     11 Telco Change Order Request
 6 Batch Processing

                       <PF3> Quit
=====================================================
```

The Batch Processing menu illustrated in Figure 7-4 is presented.

Figure 7-4
Batch Processing menu

```
=====================================================

                  BATCH PROCESSING

              Please Select From the Menu:

          1 - Submit Jobs to Batch
          2 - Check Status of Jobs
          3 - Receive Output from Jobs

                     <PF3> Quit
=====================================================
```

Batch Processing menu items

The Batch Processing menu items are defined as follows:

- Submit Jobs to Batch
  - provisions the job, generates reports including the pricing report, and determines whether the job is run during prime time hours or after hours
- Check Status of Jobs
  - checks status of jobs that are a maximum of three days old
    - Status can be finished, running, cancelled, or waiting to run.
- Receive Output from Jobs
  - receives output from jobs with a status of finished
- Quit
  - exits Batch Processing and returns to the NT-ACCESS main menu

How to submit jobs to Batch Processing

When a job is submitted to Batch Processing, some basic information about the job, selection of reports, and selection of shift time is required. The system validates the information and allows error correction.

To submit a job to Batch Processing, perform the following steps:

Step 1

Select menu item 1, Submit Jobs to Batch, from the Batch Processing menu. The PAQS-Batch Submit Facility screen illustrated in Figure 7-5 is presented.

Figure 7-5
PAQS-Batch Submit Facility screen

```
            P A Q S - B A T C H   S U B M I T   F A C I L I T Y

Job Name:              New Job? (Y/N): N                 Date: 6 Aug 2003
Mask Name: NONE        Job Type (Host/Remote): HOST      Time: 11:28:40

Provision (Y/N): Y

Prepare (Y/N): N     New Job Name:          Maintain Prior Constraints(Y/N): N
         Delete Question Notes(Y/N): N      Delete Equipment Notes(Y/N): N

   Report:   Description:                            Run
1. MESUM     EQUIPMENT SUMMARY          (Y/N)         N
2. MEREP     EQUIPMENT BREAKDOWN        (Y/N)         N
3. PRNOTES   PROVISIONING NOTES         (Y/N)         N
4. CWORKSHT  QUESTIONNAIRE WORKSHEET    (Y/N)         N
5. MSGSRPT   JOB MESSAGES               (Y/N)         N
6. ANALYSIS  ANALYSIS REPORT            (Y/N)         N
7. PRICING   PRICING REPORT             (Y/N)         N


PF1=HELP      PF3=QUIT                          PF12=SUBMIT
```

Step 2

Enter data in the fields at the top of the screen where

- Job Name is a new or existing job name.
- New Job?
  - For a new job, respond with > **Y.**
  - For an existing job, respond with > **N.**
  - The default answer to this field is > **N.**
- Mask Name
  - The name of the mask for a new job. > **NONE** for an existing job to avoid possible loss of data associated with multiple masks. If an additional mask is required on an existing job, apply the mask prior to submitting the job to batch (refer to Chapter 4, “Job Masking System,” for more details on job masking).
- Job Type is > **HOST** or > **REMOTE,** followed by <RETURN>.
- Provision
  - Type > **Y** for provisioning the job.
  - Type > **N** for not provisioning the job.

- Prepare
  - — Prepares a job for an extension. This function moves proposed answers and equipment quantities to the existing category and eliminates level B variables from the job.
  - — Type > **Y** to prepare the job.
  - — Type > **N** to ignore the prepare command.
- New Job Name
  - — The name of the job after prepare is complete. The new job name must be unique.
- Maintain Prior Constraints
  - — Type > **Y** to carry all constrained equipment over to the prepared job equipment list.
- Type > **N** to eliminate all prior constraints.

Step 3

Select the required reports. To generate a report, change the > **N** to > **Y** in the far right column next to the report name.

Note: Most reports require that a job is provisioned before generating the report. If a job that is not provisioned is submitted to batch and a request to provision on this panel is not made, results are unpredictable. It is recommended to run provisioning before generating reports. Respond > **Y** to the provisioning prompt on this panel to ensure accurate reports.

Step 4

Press <PF12>. The system validates the information that was entered. Error messages, if any, appear near the top of the panel. If there are errors, the job is not submitted to batch.

Step 5

Correct any errors. Press <PF12> again. Repeat this step until there are no errors.

Step 6

After the job is submitted to Batch Processing, the system prompts for the time to run the job, either during prime time hours or during the less expensive nonprime-time hours.

Step 7

Choose the time to run the job and press <ENTER>.

Step 8

If the job is new, job tracking information must be answered. The system prompts for the following information:

- NPA/NXX code (8 digits maximum)
- project code (15 characters maximum)
- CLLI code (20 character maximum)
- remarks (Remarks longer than 45 characters are truncated.)

Step 9

The job is processed in batch.

Note: If a job is submitted in error and is not required, menu item 2, Check Status of Jobs, on the Batch Processing menu allows the job to be cancelled.

Step 10

Submit another job or press < PF3> to exit.

How to check job status

While batch jobs are running, the job status may be checked. This function of NT-ACCESS keeps a record of job status, for example, waiting to run, cancelled, or currently being processed. The record for each job is kept for three days and then is deleted.

Select menu item 2, Check Status of Jobs, from the Batch Processing menu illustrated in Figure 7-4, and the Batch Job List screen illustrated in Figure 7-6 is presented.

Figure 7-6
Batch Job List screen

```
 LISXXC01                    Batch Job List                      VM:Batch
 ------------------------------------------------------------------------------
Command  Jobname  Jobid   Owner   Class  -------- Status: CURRENT -------- PREV
         TESTJOB  3443    ZZCCVS01  B    initiating

-------------------------------------------------------------------------------
PF: 1  Help     2  ...      3  End       4  Return    5  Joblog    6  Remove
PF: 7  Backward 8  Forward  9  ...      10  Print    11  Change   12  Status
```

In Figure 7-6, only the PF keys available for use are labeled.

Batch Job List screen commands and PF keys

The Batch Job List screen commands and PF keys are defined as follows:

- cancel
  - — command used to cancel a job submitted in error
    - – To use, move the cursor to the Subcmd column to the left of the job name, type > **CANCEL,** and press <ENTER>.
- <PF3>
  - — exits the screen illustrated in Figure 7-6 and returns to the Batch Processing menu
- <PF7>
  - — scrolls backward one screen
- <PF8>
  - — scrolls forward one screen
- <PF12>
  - — checks the detailed status of a job
    - – To use, move the cursor to the Subcmd column to the left of the job name, press <PF12>, and the Batch Job Status detail panel illustrated in Figure 7-7 is presented.

Check job status

Select the Subcmd column to the left of a job name on the Batch Job List screen with the cursor and press <PF12>. The Batch Job Status detail panel illustrated in Figure 7-7 is presented.

Figure 7-7
Batch Job Status detail panel

```
 STAXXC01                          Job Status                          VM:Batch
 ------------------------------------------------------------------------------
Name(Id):   TESTJOB(3443)         Owner:  ZZCCVS01
Submitted:  08/06/03 11:37:51     Status: ALLDONE
Comment:
Next run:   N/A
------------------------------------------------------------------------------
Previous/Current Run Information |              Next Run Information
---------------------------------|--------------------------------------------
Started:                         | Queued:      00:00:12
Ended:       08/06/03 11:38:02   | Blocked By:
Return Code: NONE                | System Hold:
Step:                            | Waiting POST:
                                 | Previous:
                                 | Released:
Resource Consumption:            ---------------------------------------------

  Virtual Time   Total Time     SIO      Print    Punch    Reader
  0:00:00        0:00:00        0        0        0        0

------------------------------------------------------------------------------
PF: 1  Help     2  Refresh  3  End       4  Return    5  ...       6  ...
PF: 7  ...      8  ...      9  ...      10  Print    11  ...      12  When
```

In Figure 7-7, only the PF keys available for use are labeled.

Batch Job Status detail panel menu items

The Batch Job Status detail panel menu items are defined as follows:

- Submitted
  — date and time the job was submitted to batch
- By Userid
  — userID that submitted the job
- Queued
  — length of time before the job was processed
- Started
  — date and time the job began processing
- Status
  — job status of complete, cancelled, waiting, or running

- Ended
  - — date and time the job finished or was cancelled
- Return Code
  - — If zero, there are no errors in processing.
  - — If a return code of anything but zero is received, verify that a valid mask name was specified and that the job was provisioned before running the reports.
  - — If both of these were performed, contact the NT-ACCESS support person.

The remaining information on the Batch Job Status detail panel are only useful to the technical support people and are not explained here.

Press <PF3> to return to the Batch Job List screen illustrated in Figure 7-6 on page 7-9.

How to receive output from jobs

After a batch job is processed, all output files are delivered to the userID reader. The jobs must be received in order to work with them or read the reports.

To receive the output from a job, perform the following steps:

1 Select menu item 3, Receive Output from Jobs, from the Batch Processing menu illustrated in Figure 7-4 on page 7-4. The screen clears and a prompt says:

```
Please enter a jobname:
```

2 Type the name of the job and press <ENTER>. The following message appears:

```
...processing <jobname> job files
```

Many messages appear on the screen announcing each job file as it is received from the reader.

3 Clear the screen when it fills to make this process go more quickly. The following message appears:

```
...processing <jobname> reports
```

If reports are selected with this job, the first page of the first report is displayed as soon as the files are all received. Refer to Chapter 15, “Report Manager,” for more details.

When the reports displayed are finished, or if no reports are requested, the Batch Processing menu is presented.

Note: Pricing reports that are submitted through NT-ACCESS main menu item 2, DMS-100F Pricing, may be received with this batch menu function or in the DMS-100F Pricing sub module. The recommended method to receive pricing reports is to use NT-ACCESS main menu item 2, DMS-100F Pricing.

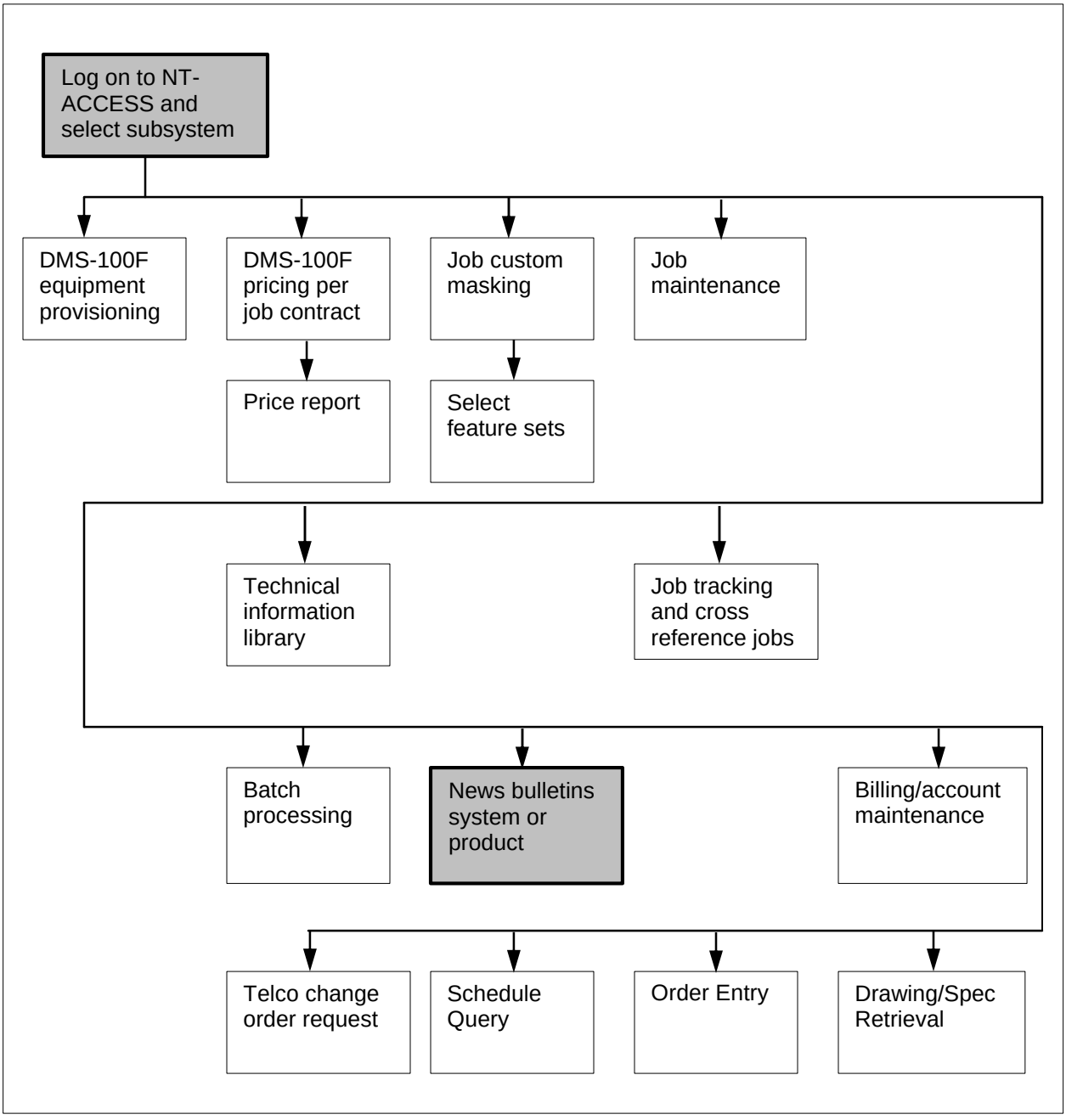
News Bulletins

What is News Bulletins?

News Bulletins is an electronic communication system that maintains a record of changes and additions to NT-ACCESS. The News Bulletins facility provides easy access to system announcements and advanced product provisioning information.

The relationship between News Bulletins and NT-ACCESS is illustrated in Figure 8-1.

Figure 8-1
NT-ACCESS process flow – News Bulletins



To access the News Bulletins, select menu item News Bulletins from the NT-ACCESS main menu illustrated in Figure 8-2.

Figure 8-2
NT-ACCESS main menu – News Bulletins

```
=====================================================
                    NORTEL NETWORKS

                  N T - A C C E S S
       AUTOMATED PLANNING AND ORDER CAPTURE SYSTEM
                     Release 414

              Please Select From the Menu:

 1 DMS-100F Provisioning      7 News Bulletins
 2 DMS-100F Pricing           8 Billing/Account Maint.
 3 Create a Custom Mask       9 Drawing/Spec Retrieval
 4 Job Maintenance            10 Schedule Query
 5 Technical Info Library     11 Telco Change Order Request
 6 Batch Processing

                       <PF3> Quit
=====================================================
```

The NT-ACCESS Bulletins menu illustrated in Figure 8-3 is presented.

Figure 8-3
NT-ACCESS Bulletins menu

```
        ===================================================

                          N T - A C C E S S

                              Bulletins

                     Please Select From the Menu:

                     1 - System Bulletins
                         last updated :  07/02/1998   15:18:47

                     2 - Product Bulletins
                         last updated :  06/03/1998   15:17:23

                              <PF3> Quit

        ===================================================


                                           VM READ   NTIVMF
```

NT-ACCESS Bulletins menu items

The NT-ACCESS Bulletins menu items are defined as follows:

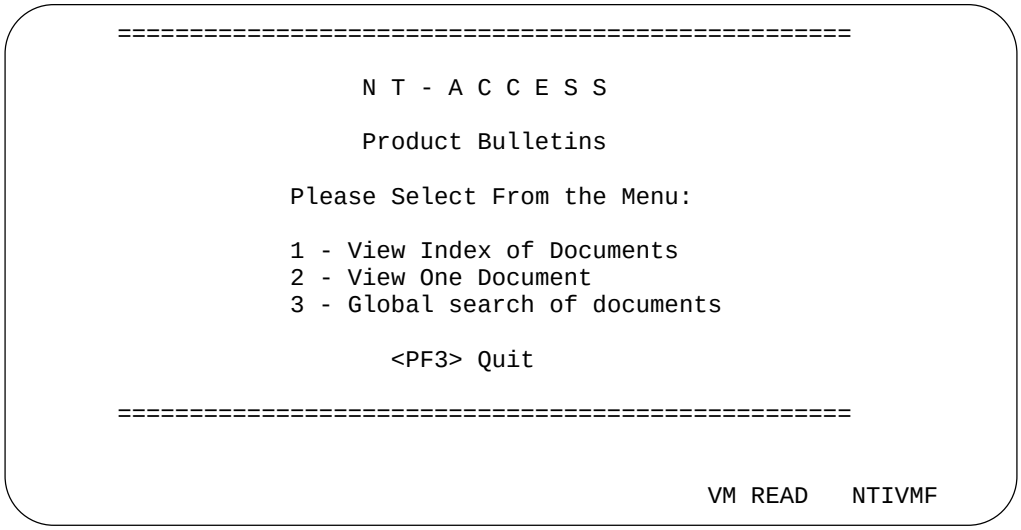
- System Bulletins
  - System Bulletins is a library that stores a list of regional coordinator contacts.
- Product Bulletins
  - Product Bulletins is a library that stores abbreviated engineering (ECM) documents referencing product provisioning information that is currently included in the PAQS100 provisioning algorithms.

A system notice indicating the last date and time the System Bulletins and Product Bulletins libraries were updated is included on the NT-ACCESS Bulletins menu.

> ***Note:*** The system functionality is identical for both libraries. For simplicity, the screens in this document represent the system bulletins facility.

Select menu item 1, System Bulletins, or menu item 2, Product Bulletins, from the NT-ACCESS Bulletins menu, and the System Bulletins screen illustrated in Figure 8-4 is presented.

Figure 8-4
System Bulletins menu



System Bulletins menu items

The Systems Bulletins menu items are defined as follows:

- View Index of Bulletins
  - — presents a list of all bulletins listed by title in alphabetical order
  - — <TAB> to the specific document and press <PF12> to view that document.
- View One Bulletin
  - — permits viewing one bulletin at a time by entering the bulletin number and pressing <ENTER>
- Global Search of Bulletins
  - — presents a list of document titles in an index that contain a specific word or phrase
  - — allows an electronic search (case sensitive) for a word or phrase on a topic and lists all bulletin titles containing that word or phrase
  - — If a word is typed with uppercase letters, the search must be done in uppercase letters.
  - — Any document may be viewed from the index by pressing <PF12>.

How to view the index of bulletins

Select menu item 1, View Index of Bulletins, from the System Bulletins menu illustrated in Figure 8-4. The Bulletin Index screen illustrated in Figure 8-5 is presented.

Figure 8-5
Bulletin Index screen

```
  REPORT MANAGER :  SBMASTR IDX         Top line is line 1 of 1
Tab to desired document and press PF12 to view.
    SYSBUL01    REGIONAL COORDINATORS                   06/03/1998









PF1-Help PF2-Configure PF3-Quit PF4-Print PF5-Download PF6-Repeat Search
PF7-Up  PF8-Down  PF9-Scrapbook  PF10-Right/Left  PF11-Cut  PF12-View
====>
```

This screen displays a list of the titles of all system bulletins. System bulletins are listed as Sysbul01, 02 and product bulletins are listed as Prodbul01, 02. To view a document, <TAB> to the specific bulletin and press <PF12>.

The commands and PF keys for this screen are described on page 8-9.

How to view one bulletin

To view one bulletin, perform the following steps:

1 Select menu item 2, View One Bulletin, from the System Bulletin menu illustrated in Figure 8-4. The system prompts for a bulletin number:

```
Enter System Bulletin number (Example: Sysbul01):
```

2 Enter the bulletin number and press <ENTER>. The bulletin is displayed.

How to print multiple bulletins concurrently

To print multiple bulletins concurrently, perform the following:

1 Select menu item 1, System Bulletins, from the NT-ACCESS Bulletins menu illustrated in Figure 8-3 on page 8-4. The Systems Bulletins menu illustrated in Figure 8-4 on page 8-5 is presented.

2 Select menu item 1, View Index of Bulletins, from the System Bulletins menu. An index of system bulletins in Report Manager is presented.

3 <TAB> to the left of each system bulletin to be printed and enter > P. Be sure to page up or down to access all available bulletins.

4 Press <ENTER> after all bulletins are selected. The Printing pop–up window is presented.

5 Press <ENTER> to print the bulletins.

6 Press <PF3> to cancel print.

How to download multiple bulletins concurrently

To download multiple bulletins concurrently, perform the following:

1 Select menu item 1, System Bulletins, from the NT-ACCESS Bulletins menu illustrated in Figure 8-3 on page 8-4. The Systems Bulletins menu illustrated in Figure 8-4 on page 8-5 is presented.

2 Select menu item 1, View Index of Bulletins, from the System Bulletins menu. An index of system bulletins in Report Manager is presented.

3 <TAB> to the left of each system bulletin to be downloaded and enter > D. Be sure to page up or down to access all available bulletins.

4 Press <ENTER> after all bulletins are selected. The Download pop-up window is presented.

5 Press <ENTER> to download the bulletins.

6 Press <PF3> to cancel download.

How to print and download multiple bulletins concurrently

To print and download multiple bulletins concurrently, perform the following:

1 Select menu item 1, System Bulletins, from the NT-ACCESS Bulletins menu illustrated in Figure 8-3 on page 8-4. The Systems Bulletins menu illustrated in Figure 8-4 on page 8-5 is presented.

2 Select menu item 1, View Index of Bulletins, from the System Bulletins menu. An index of system bulletins in Report Manager is presented.

3 <TAB> to the left of each system bulletin and enter > D or > P. Be sure to page up or down to access all available bulletins.

4 Press <ENTER> after all bulletins are selected. The Printing pop-up window is presented.

5 Press <ENTER> to print.

6 Press <ENTER> to download the bulletins.

7 Press <PF3> to cancel download.

How to perform a Global Search of Bulletins

Menu item 3, Global Search of Bulletins, from the System Bulletins menu scans all bulletins for a selected word or phrase. The global search only takes a few minutes. The prompts illustrated below represent the sequence of information occurring during the global search process. It should be noted that global searching is case sensitive.

```
Enter phrase to be searched:
```

Enter the word or phrase to be located. As the system searches through the bulletins, the following prompt is presented:

```
Enter phrase to be searched:
Coordinators
  100 Bulletins searched. Search continues...
  200 Bulletins searched. Search continues...
  300 Bulletins searched. Search continues...
  400 Bulletins searched. Search continues...
  500 Bulletins searched. Search continues...
```

Note: If a word is typed with uppercase letters, the search is done in uppercase letters.

When the search is complete, the screen illustrated in Figure 8-6 is presented.

Figure 8-6
Bulletin index after the search is complete

```
  REPORT MANAGER :  SBTEMP IDX         Top line is line 1 of 1
Tab to desired document and press PF12 to view.
   SYSBUL01      REGIONAL COORDINATORS                    06/03/1998









PF1-Help PF2-Configure PF3-Quit PF4-Print PF5-Download PF6-Repeat Search
PF7-Up  PF8-Down  PF9-Scrapbook  PF10-Right/Left  PF11-Cut  PF12-View
====>
```

To view a document, <TAB> to the specific bulletin and press <PF12>.

Commands and PF keys

Use the following commands and PF keys to perform the desired function (for example, viewing a document, printing or downloading a document).

- TOP
  - — presents the top of the report
- BOT
  - — presents the bottom of the report
- + <number of lines>
  - — moves forward 15 lines in the report (for example, > **+ 15**)
- – <number of lines>
  - — moves backward 15 lines in the report (for example, > **– 15**)
- P
  - — presents the print screen and functions identically to <PF4>.
- D
  - — presents the download screen and functions identically to <PF5>.
- PF1
  - — invokes the online help facility
- PF2
  - — presents the Report Configuration screen
  - — sets the parameters for printing or downloading reports from this screen
- PF3
  - — exits the current screen
- PF4
  - — prints reports according to the parameters set at the Report Configuration screen
  - — The parameters may be set to send the reports to a PC or to a terminal screen.
- PF5
  - — downloads the reports according to parameters set at the Report Configuration screen
  - — The parameters may be set to download using SIMPC.

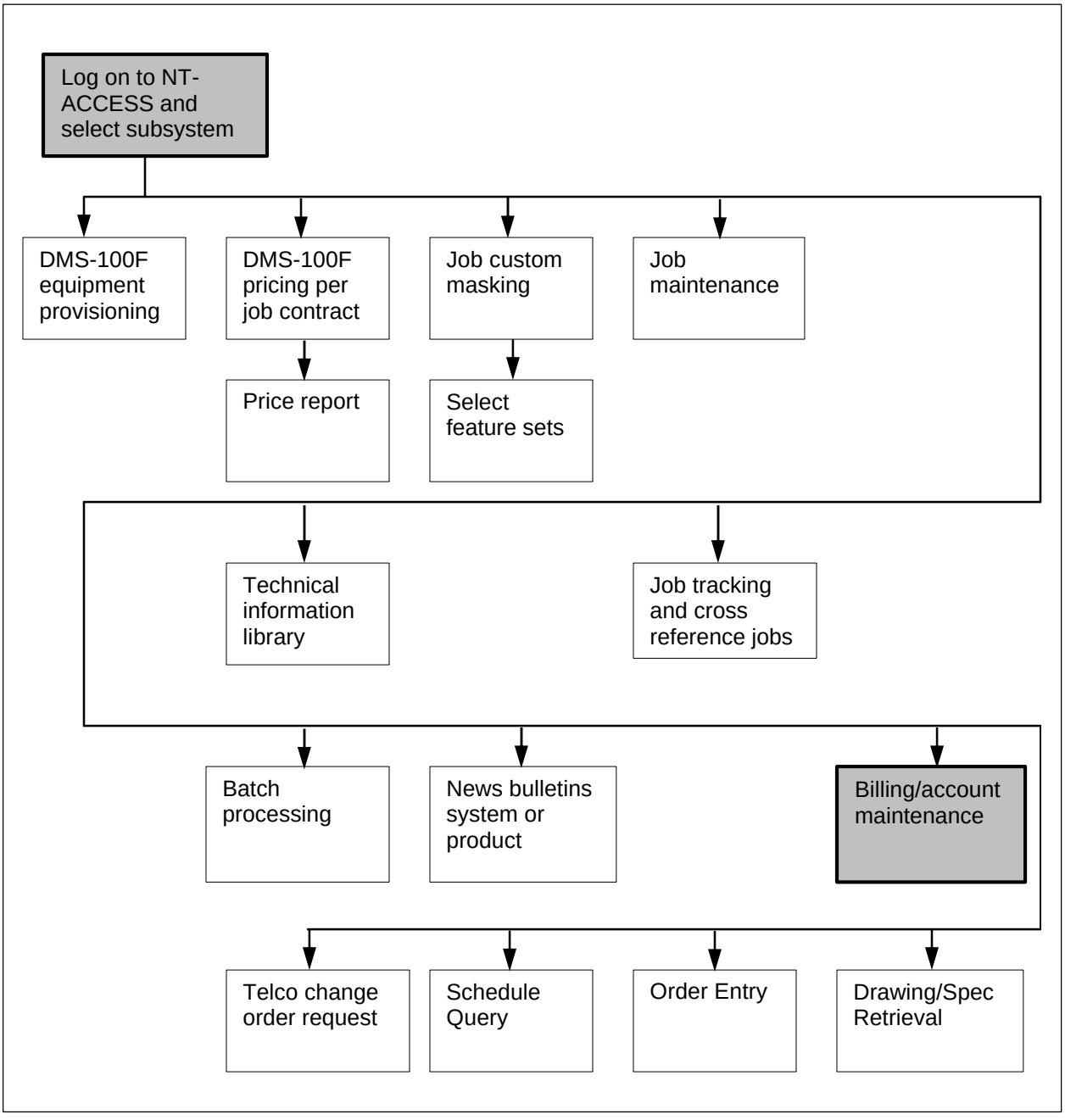
- PF6
  - repeats the most recent word search
- PF7
  - scrolls backward one screen
- PF8
  - scrolls forward one screen
- PF9
  - presents information added to the scrapbook
- PF10
  - toggles between the right and the left side of the report
  - 80 columns are displayed at one time.
- PF11
  - specifies the line numbers that are cut from the report and placed in the scrapbook
- PF12
  - opens a specific document from within an index

Billing/Account Maintenance

What is Billing/Account Maintenance?

Billing/Account Maintenance is a sub module of NT-ACCESS that presents methods to bill NT-ACCESS sessions to specific jobs, to view NT-ACCESS session charges, or to change the logon passwords. The relationship between Billing/Account Maintenance and NT-ACCESS is illustrated in Figure 9-1.

Figure 9-1
NT-ACCESS process flow – Billing/Account Maintenance



How to access Billing/Account Maintenance

To access Billing/Account Maintenance, select menu item Billing/Account Maintenance, from the NT-ACCESS main menu illustrated in Figure 9-2.

Figure 9-2
NT-ACCESS main menu – Billing/Account Maintenance

```
==================================================
                  NORTEL NETWORKS

                N T - A C C E S S
      AUTOMATED PLANNING AND ORDER CAPTURE SYSTEM
                  Release 414

             Please Select From the Menu:

 1 DMS-100F Provisioning      7 News Bulletins
 2 DMS-100F Pricing           8 Billing/Account Maint.
 3 Create a Custom Mask       9 Drawing/Spec Retrieval
 4 Job Maintenance            10 Schedule Query
 5 Technical Info Library     11 Telco Change Order Request
 6 Batch Processing

                    <PF3> Quit
==================================================
```

The Billing/Account Maintenance menu illustrated in Figure 9-3 is presented.

Figure 9-3
Billing/Account Maintenance menu

```
====================================================

             Billing/Account Maintenance

             Please Select From the Menu:

                 Billing Maintenance

          1 - Change Job Billing
          2 - View Session Charge Information

                 Account Maintenance

          3 - Change Logon Password
          4 - Change Report Manager Configuration

                     <PF3> Quit

====================================================
```

Billing/Account Maintenance menu items

The Billing/Account Maintenance menu items are defined as follows:

- Change Job Billing
  - — permits the flexibility of directly billing different jobs from one userID in a single NT-ACCESS session
- View Session Charge Information
  - — permits viewing all session charges incurred over the previous four months (The billing data is current through the previous day.)
- Change Logon Password
  - — permits the logon password for the userID to be changed
- Change Report Manager Configuration
  - — permits the printing and downloading parameters to be set

    Note: Passwords can only be changed once a day.
- <PF3> – Quit
  - — exits the Billing/Account Maintenance menu and returns to the NT-ACCESS main menu

How to change job billing

All charges incurred during the NT-ACCESS session are billed to the account or job name specified at logon unless billing information is changed during the session.

To change the billing information, perform the following steps:

1 Select menu item 1, Change Job Billing, from the Billing/Account Maintenance menu illustrated in Figure 9-3 . The Change Job Billing screen illustrated in Figure 9-4 is presented

Figure 9-4
Change Job Billing screen

```
==================================================

                N T - A C C E S S

                CHANGE JOB BILLING


==================================================


Please Enter the Job Name for Billing or <PF3> to Quit:
```

2 Type the name of the job that the NT-ACCESS session is to be billed to and press <ENTER>. The system presents a prompt for the logon password.

3 Type the password and press <ENTER>. If the password is entered incorrectly, a message is presented and the billing information defaults to account-only accumulation. The NT-ACCESS main menu is presented and the NT-ACCESS session begins.

Billing information can be changed as often as required. Session charges shown on the terminal screen when logging off only reflect information from the last billing change. Cumulative charges for the total session are shown if the initial billing information is not changed during the session.

How to view session charge information

For various reasons, session charges displayed at the end of a session do not reflect all charges incurred during that session. For example, if job billing is changed during the session, charges displayed reflect only those charges incurred since the last change in billing information. If a job is in progress at 4 P.M. eastern standard time, the charges displayed will reflect only those charges incurred after the 4 P.M. mainframe restart.

To view all session charges, perform the following steps:

1 Select menu item 2, View Session Charge Information, from the Billing/Account Maintenance menu illustrated in Figure 9-3. The following prompt is presented:

```
Session charge data is available on-line for these months:

1.   August 2003
2.   January 2003
3.   February 2003
4.   March 2003
5.   April 2003
6.   May 2003
7.   June 2003
8.   July 2003

Please enter the number of the month you wish to view.
PF1 = Help     PF3 = Quit
```

2 Enter the number of the month and press <ENTER>. The Session Charges screen illustrated in Figure 9-5 is presented.

Figure 9-5
Session Charges screen

```
                          Session Charges for ZZCCVS01
                                    OCT 2003

              CHARGES INCLUDED IN THE SESSION CHARGE DATABASE REPRESENT
               USAGE ONLY AND DO NOT INCLUDE ANNUAL ACCOUNT CHARGES.

SESSION   SESSION   SESSION  JOBNAME  RATE   TOTAL        TOTAL       TOTAL
DATE      START     END                      CPU          CONNECT     CHARGE
          TIME      TIME                     TIME         TIME

02OCT03   7:47:32   7:51:04  AA3227    N   0:00:00.72     0:03:32.00  $0.89
02OCT03   8:03:55   8:14:54  AA3227    N   0:00:00.72     0:10:59.00  $3.70
02OCT03   9:20:16   9:20:16  AA3227    N   0:00:00.72     0:01:25.00  $1.27
02OCT03   9:24:08   9:24:08  AA3227    N   0:00:00.72     0:01:24.00  $1.19
02OCT03  14:16:40  14:16:40  AA3227    N   0:00:00.72     1:50:00.00 $22.87
04OCT03   9:42:54   9:42:54  AA3227    N   0:00:00.72     0:16:40.00  $3.51

PF1–Help    PF2–Report    Config    PF3–Quit    PF4–Print    PF5–Download
PF6–Repeat Search      PF7–Up       PF8–Down     PF9–Goto Scrapbook
PF10–Right/Left            PF11–Cut
```

Session Charges screen fields

The Session Charges screen fields are defined as follows:

- SESSION DATE
  - — date of the NT-ACCESS session
- SESSION START TIME
  - — time (eastern standard) the session began
- SESSION END TIME
  - — time (eastern standard) the session ends
- JOBNAME
  - — specific job name selected at logon or a system generated job name (for example, AA3227) if charges were accumulated under one userID account
- RATE
  - — time of use that determines the billing rate
    - – P = primetime, N = nonprime time, and W = weekend time
- TOTAL CPU TIME
  - — cumulative total of CPU time used during the session including prime time, nonprime time, and weekend time (Total CPU time is in the following format: hh:mm:ss.)

- TOTAL CONNECT TIME
  - — total cumulative connect time used during the session including prime time, nonprime time, and weekend time (Total connect time is in the following format: hh:mm:ss.)
- TOTAL CHARGE
  - — total charge for the session

Session Charges screen PF keys

The Session Charges screen PF keys are defined as follows:

- PF1
  - — invokes the online help facility
- PF2
  - — presents the Report Configuration screen
  - — sets the parameters for printing or downloading reports from this screen
- PF3
  - — exits the current screen
- PF4
  - — prints reports according to the parameters set at the Report Configuration screen
  - — The parameters may be set to send the reports to a PC or to a terminal screen.
- PF5
  - — downloads the reports according to parameters set at the Report Configuration screen
  - — The parameters may be set to download using SIMPC.
- PF6
  - — repeats the most recent word search
- PF7
  - — scrolls backward one screen
- PF8
  - — scrolls forward one screen
- PF9
  - — presents information added to the scrapbook

- PF10
  - — toggles between the right and the left side of the report
  - — 80 columns are displayed at one time.
- PF11
  - — specifies the line numbers that are cut from the report and placed in the scrapbook

How to change the logon password

To change the logon password for a userID, perform the following steps:

1 Select menu item 3, Change Logon Password, from the Billing/Account Maintenance menu illustrated in Figure 9-3. The following prompt is presented:

```
Enter your logon password:
```

2 Enter the password. The password is not shown when typed.

3 Press <ENTER>. The following prompt is presented:

```
Select and enter a new password for the userID:
```

4 Type in a new password and press <ENTER>. The password is not shown when typed. The following prompt to verify the password is presented:

```
Please enter the same new password once again:
```

The password is not shown when typed.

Passwords must be six to eight characters (alpha or numeric) in length. The same password cannot be used more than once. If a password is already used, the following prompt is presented:

```
From exit: The password has been used previously.
```

The system returns to the Billing/Account Maintenance menu.
If the password is updated successfully, the following message is displayed:

```
Directory updated online.
```

The system returns to the Billing/Account Maintenance menu.

How to change the report configuration

Report configuration and download parameters are set from the Report Configuration screen.

The Report Configuration screen is accessed in several ways: by selecting menu item 4, Change Report Manager Configuration, from the Billing/Account Maintenance menu at the NT-ACCESS main menu or by pressing <PF2> from any report display screen.

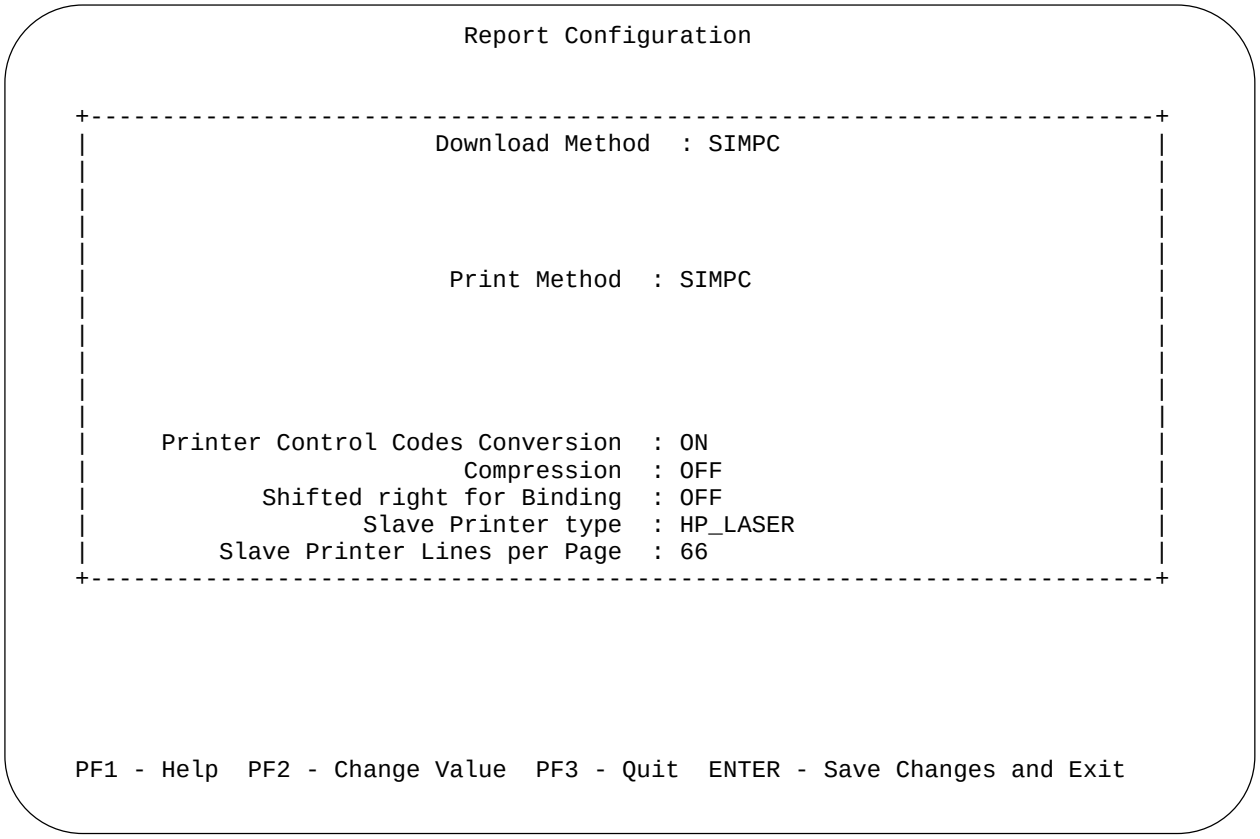
The Billing/Account Maintenance menu is illustrated in Figure 9-6.

Figure 9-6
Billing/Account Maintenance menu – report configuration

```
==================================================

            Billing/Account Maintenance

            Please Select From the Menu:

                Billing Maintenance

        1 - Change Job Billing
        2 - View Session Charge Information

                Account Maintenance

        3 - Change Logon Password
        4 - Change Report Manager Configuration

                    <PF3> Quit

==================================================
```

Select menu item 4, Change Report Manager Configuration, from the Billing/Account Maintenance menu illustrated in Figure 9-3. The Report Configuration screen illustrated in Figure 9-7 is presented.

Figure 9-7
Report Configuration screen



Note: The fields that can be modified are highlighted.

Report Configuration screen fields

The Report Configuration screen fields are defined as follows:

- Download Method
  - The download method selections are listed as follows:
    - > **SIMPC** downloads reports to a PC running SIMPC communications software.
    - > **UNIX** is only available to users registered for UNIX download capability. This selection transfers reports to your local UNIX system.
    - > **EMAIL** downloads reports to specified internet e-mail or IP address.
- Print Method
  - The print method selections are listed as follows:

- > **SIMPC** sends reports to a printer connected to a PC running SIMPC communications software.
- > **TERM** sends reports to a terminal screen. A printer connected to this terminal can capture all the information displayed on the terminal screen.

- Compression
  - The compression selections are listed as follows:
    - > **ON** sets the printer to compressed print mode by adding control codes to the report.
    - > **OFF** results in no action. The printer is not placed in compressed print mode.
- Shifted right for Binding
  - The shifted right for binding selections are listed as follows:
    - > **ON** creates room for book binding by adding five blank columns to the left side of the report.
    - > **OFF** results in no action. Blank columns are not added to the left side of the report.
- Printer Control Codes Conversion
    - > **ON** creates special characters that allow automatic form feeding and compression (if compression is set to on). These special characters are added to the report file that is to be printed or downloaded. The default value for the Printer Control Codes Conversion field is on. Use the default value to print to a printer attached to your PC.
    - > **OFF** results in no action. No characters are added to the report file. This option should be used if you are printing to an IBM mainframe printer.
- Printer type
  - Printer type must be identified to ensure that the correct control codes are added to the report for form feeding and print compression. The printer type selections are listed as follows:
    - **> HP LASERJET**
    - **> LINE PRINTER**
    - **> NT PRINTJET**
  - If your printer is not compatible with any of the printer types shown, contact your NT-ACCESS coordinator.

Report Configuration screen PF keys

The Report Configuration screen PF keys are defined as follows:

- PF1 – Help
  - — invokes the online help facility
- PF2 – Change Value
  - — toggles the value of the parameter identified by the cursor
- PF3 – Quit
  - — exits the configuration screen *without* saving any changes
- ENTER – Save Changes and Exit
  - — saves any changes and returns to the previous screen when <ENTER> is pressed

How to change option values on the Report Configuration screen

To change option values on the Report Configuration screen, perform the following steps:

1 Place the cursor on the option line requiring change.

2 Press <PF2>.

3 Press <ENTER> to save the changes.

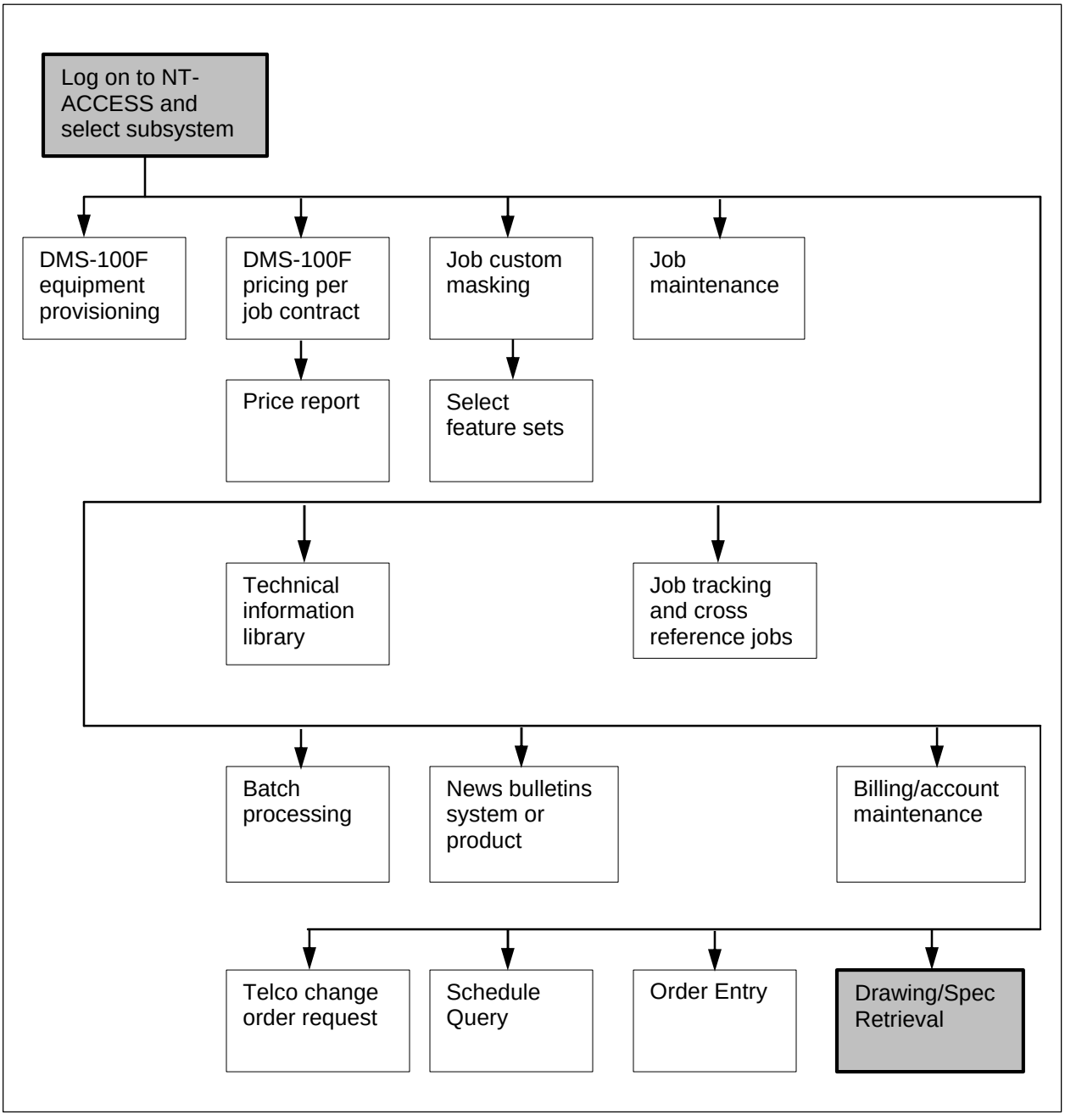
Note: To quit without saving the option value changes, press <PF3>.

Drawing/Spec Retrieval

What is Drawing/Spec Retrieval?

Drawing/Spec Retrieval is a sub module of NT-ACCESS that permits retrieval of job drawings and job specifications from the CADES database for individual jobs. The relationship between NT-ACCESS and Drawing/Spec Retrieval is illustrated in Figure 10-1.

Figure 10-1
NT-ACCESS process flow – Drawing/Spec Retrieval



How to request drawings from CADES

To request drawings from CADES, perform the following:

1 Select menu item Drawing/Spec Retrieval from the NT-ACCESS main menu illustrated in Figure 10-2.

Figure 10-2
NT-ACCESS main menu – Drawing/Spec Retrieval

```
=======================================================
                    NORTEL NETWORKS

                  N T - A C C E S S
       AUTOMATED PLANNING AND ORDER CAPTURE SYSTEM
                     Release 414

               Please Select From the Menu:

 1 DMS-100F Provisioning      7 News Bulletins
 2 DMS-100F Pricing           8 Billing/Account Maint.
 3 Create a Custom Mask       9 Drawing/Spec Retrieval
 4 Job Maintenance            10 Schedule Query
 5 Technical Info Library     11 Telco Change Order Request
 6 Batch Processing

                       <PF3> Quit
=======================================================
```

2 The Drawing/Specification Retrieval menu illustrated in Figure 10-3 is presented.

Figure 10-3
Drawing/Specification Retrieval menu – Request Drawings

```
=======================================================

   DMS - 100F Drawing/Specification Retrieval System

           Please Select From the Menu:

           1 - Request Drawings
           2 - Request Specifications
           3 - Receive Drawings/Specifications

                <PF3> Quit

=======================================================
```

3 Select item 1, Request Drawings, from the Drawing/Specification Retrieval menu to identify specific drawings required from the CADES database. The Drawing Retrieval screen illustrated in 10-4 is presented.

Figure 10-4
Drawing Retrieval screen

```
          ==========================================
                      N T - A C C E S S
                      Drawing Retrieval
          ==========================================
          COEO: {          } or BASE: {       -    }
           ISS: { *  }           ISS: { *  }        MENU {Y/N:
N }
             *  -  indicates the latest issue.

   Drawing              Title                        Retrieve

   D410     Equipment Layout                            N
   D420     MIS Frame  Logic Assignments                N
   D460     TOPS Equipment Record                       N
   D480     VSN/DNC Equipment                           N
   D610     CCC-Network Module Assignments              N
   D620     Peripheral-SLC-Network Assignments          N
   D630     Alarm Assignments                           N
   D640     PDC Fuse Assignments                        N
   D820     SLC Cross Connect Chart                     N
   D821     DNI Cross Connect Chart                     N
   R810     Line Equipment Layout                       N
   R820     Trunk Layout                                N

   PF1 - Help            PF3 - Quit         PF12 - Submit
```

Note: The Drawing Retrieval screen PF keys are defined on page 10-6.

4 Type the COEO number in the COEO field, or type the BASE number in the BASE field. The COEO and the BASE numbers retrieve the latest job issue. If there is more than one job associated with a BASE number, a Drawing Retrieval screen is presented as illustrated in Figure 10-5.

Figure 10-5
Drawing Retrieval screen—multiple jobs

```
            ========================================
                        N T - A C C E S S
                        Drawing Retrieval
            ========================================

                                              BASE: 9999

     Jobid          CLLI Code          Control Group
Retrieve

     TOWN1          TOWNCCAG2200            0                    N
     TOWN2          TOWNCCAH2231            1                    N
     TOWN3          TOWNCCAI4343            2                    N
     TOWN4          TOWNCCGH2311            3                    N

                              PF3 - Quit
```

5 <TAB> to the Retrieve column to the right of the drawing titles on the Drawing Retrieval screen.

6 Type > **Y** in the Retrieve column after each required drawing. An error message is presented if a value other then > **Y** or > **N** is typed in the retrieve field.

7 Press <PF12> after all drawings are selected.

The system verifies that the drawings are available and whether the userID is authorized to retrieve drawings for that specific COEO or BASE number. Messages are printed to the screen to present the status of the drawing retrieval function. After the request is submitted successfully, the process continues from 15 to 30 minutes until the process is complete.

Messages are printed to the screen concerning the status of the request within two minutes, unless there is a backlog of drawing retrieval requests, or if the CADES server is down. If two minutes pass and no status messages are presented, all messages are sent to the userID reader. The system checks for messages in the reader the next time the Drawing Retrieval screen is accessed. If there are no messages in the reader, the Drawing Retrieval screen is presented.

Drawing Retrieval screen PF keys

The Drawing Retrieval screen PF keys are defined below:

- PF1 = Help
  - — invokes the online help facility
- PF3 = Quit
  - — exits from this screen

- PF12 = Submit

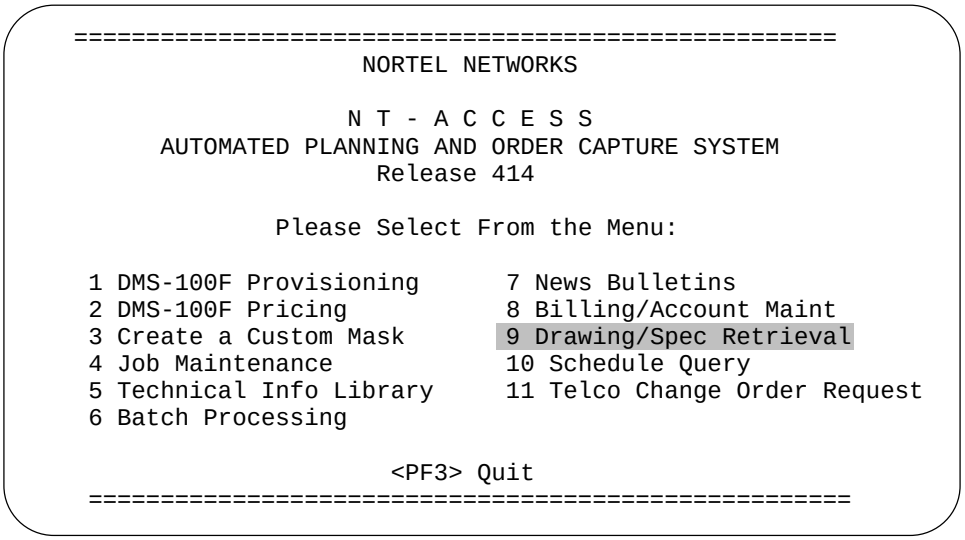
  — executes the drawing retrieval process

How to request job specifications from CADES

To request job specifications from CADES, perform the following:

1 Select menu item Drawing/Spec Retrieval from the NT-ACCESS main menu illustrated in Figure 10-6.

Figure 10-6
NT-ACCESS main menu – DMS-100F Drawing/Spec Retrieval



2 The Drawing/Specification Retrieval menu illustrated in Figure 10-7 is presented .

Figure 10-7
Drawing/Specification Retrieval menu – Request Specifications

```
=====================================================

   DMS - 100F Drawing/Specification Retrieval System

           Please Select From the Menu:

           1 - Request Drawings
           2 - Request Specifications
           3 - Receive Drawings/Specifications

                <PF3> Quit

=====================================================
```

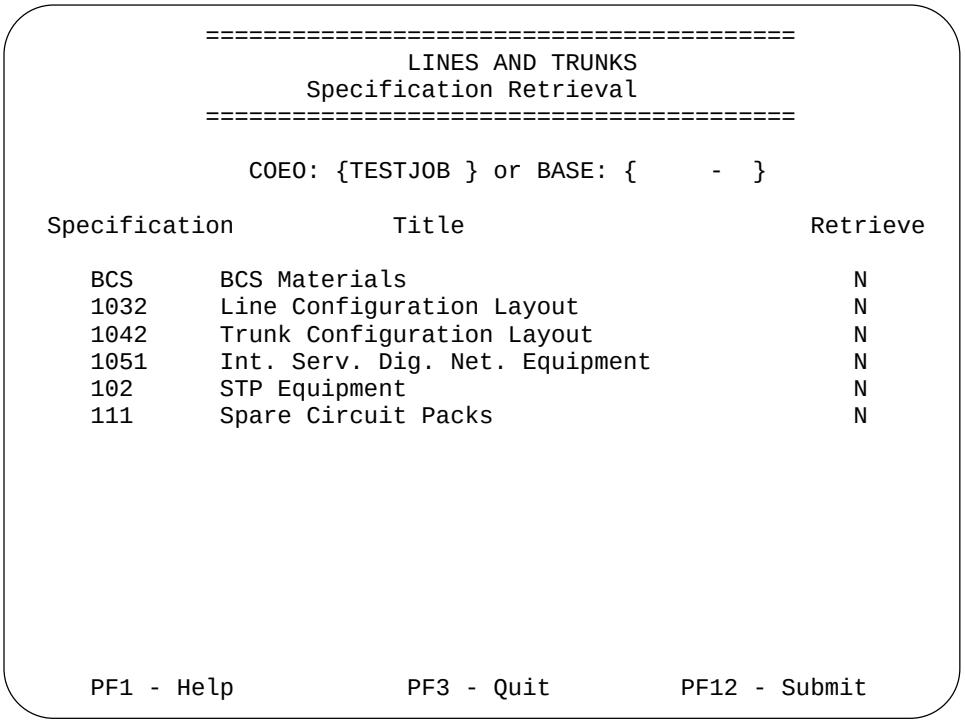
3 Select menu item 2, Request Specifications, from the Drawing/Specification Retrieval menu. The Specification Retrieval screen illustrated in Figure 10-8 is presented.

Figure 10-8
Specification Retrieval screen

```
        ==========================================
                     N T - A C C E S S
                        Main Menu
                   Specification Retrieval
        ==========================================

         COEO: {          } or BASE: {       -    }


         1    Lines and Trunks
         2    Controllers
         3    Input/Output
         4    Network
         5    Software
         6    CORE
         7    Bought Direct
         8    Physical
         9    Other



    Enter option:  {   }
    (ALL SPECS WHICH APPEAR ON MENU MAY NOT BE AVAILABLE
     SPEC WILL BE AVAILABLE IF RELEASE  TO ARCHIVE)

    PF1 - Help           PF3 - Quit         PF9 - Continue
```

4 Type the COEO number in the COEO field, or BASE number in the BASE field. Next, enter option number and press <PF9> to continue. Figure 10-9 is presented as an example of option 1.

Figure 10-9
Specification Retrieval screen—multiple jobs



5 Enter Y in the retrieve field to retrieve the specification needed and press <PF12> to submit.

6 <TAB> to the Retrieve column to the right of the specifications titles on the Specification Retrieval screen.

7 Type > **Y** in the Retrieve column after each required specification. An error message is presented if a value other then > **Y** or > **N** is typed in the retrieve field.

8 Press <PF12> after all of the specifications are selected.

The system verifies that the specifications are available and whether the userID is authorized to retrieve specifications for that specific COEO, or BASE. Messages are printed to the screen to present the status of the specification retrieval function. After the request is submitted successfully, the process continues from 15 to 30 minutes until the process is complete.

Messages are printed to the screen concerning the status of the request within two minutes, unless there is a backlog of retrieval requests, or if the CADES server is down. If two minutes pass and no status messages are presented, all messages are sent to the userID reader. The system checks for messages in the reader the next time the Drawing/Spec Retrieval screen is accessed. If there are no messages in the reader, the Drawing/Spec Retrieval screen is presented.

How to receive drawings and specifications simultaneously

To receive drawings and specifications simultaneously, perform the following:

1 Select menu item Drawing/Spec Retrieval from the NT-ACCESS main menu illustrated in Figure 10-10.

Figure 10-10
NT-ACCESS main menu – Drawing/Spec Retrieval

```
==================================================
                  NORTEL NETWORKS

                  N T - A C C E S S
      AUTOMATED PLANNING AND ORDER CAPTURE SYSTEM
                    Release 414

              Please Select From the Menu:

 1 DMS-100F Provisioning      7 News Bulletins
 2 DMS-100F Pricing           8 Billing/Account Maint.
 3 Create a Custom Mask       9 Drawing/Spec Retrieval
 4 Job Maintenance            10 Schedule Query
 5 Technical Info Library     11 Telco Change Order Request
 6 Batch Processing

                     <PF3> Quit
==================================================
```

2 Press <ENTER>. The Drawing/Specification Retrieval menu illustrated in Figure 10-11 is presented.

Figure 10-11
Drawing/Specification Retrieval menu – Request Specifications – Receive

```
=======================================================

   DMS - 100F Drawing/Specification Retrieval System

            Please Select From the Menu:

            1 - Request Drawings
            2 - Request Specifications
            3 - Receive Drawings/Specifications

                 <PF3> Quit

=======================================================
```

3 Select menu item 3, Receive Drawings/Specifications, from the Drawing/Specification Retrieval menu to receive specific drawings or specifications previously requested (menu items 1 and 2) from the CADES database. The system searches for any drawings or specifications returned by the CADES database. If no drawings or specifications are found, the following message is presented:

```
Drawing/Spec Reports have not finished processing at this
time. Please check again later.

Press <Enter> to continue.
```

The pending request can be received at a later time. If drawings or specifications are found, the Drawing/Specification Reports screen is presented.

Figure 10-12
Drawing/Specification Reports screen

```
                DRAWING/SPECIFICATION REPORTS

Action      Report        Date      Time        Description
E           PHOENXAZ    12/02       14:12:32    D610  DRWG
R           OAKLANCA    12/03       16:11:24    105  SPEC




        ACTIONS:        R – RECEIVE        E – ERASE
PF1 – Help     PF3 – Quit     PF7 – Bkwd     PF8 – Fwd
====>
```

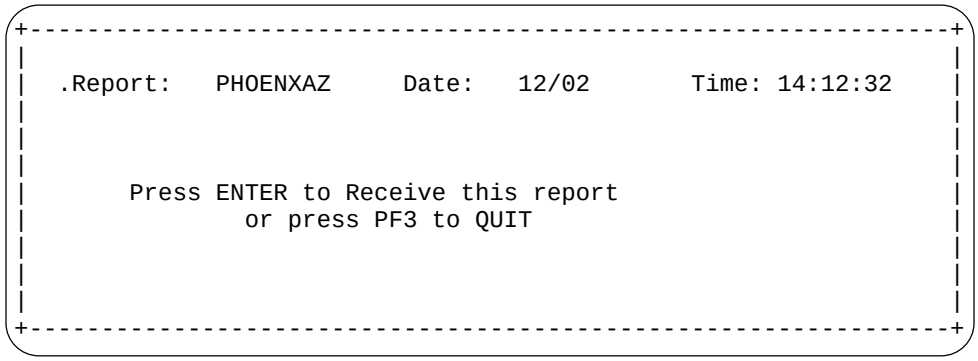
Note: The Drawing/Specification Reports screen PF keys are defined on page 10-14.

4 Type > **R** in the Action column next to the required drawing or job specification.

5 Type > **E** in the Action column on the Drawing/Specification Reports screen next to any drawing or specification that is not required.

6 Press <RETURN>. The drawings or specifications with E in the Action column are erased. The Receive pop-up window illustrated in Figure 10-13 is presented.

Figure 10-13
Receive pop-up window – receive drawings and specifications



Note: If no action is taken on a drawing or specification, the report remains in the reader and appears on the list the next time that the Drawing/Specification Retrieval menu is accessed.

7 Press <ENTER> from the Receive pop-up window to receive the report. The user is placed in Report Manager, where the report may be viewed, downloaded, printed, or erased. If no action is taken on the report from Report Manager, the report is erased when <PF3>, Exit is pressed.

8 Press <PF3> from the Receive pop-up window to return to the Drawing/Specification Reports screen.

Drawing/Specification Reports screen PF keys

The Drawing/Specification Reports screen PF keys are defined below:

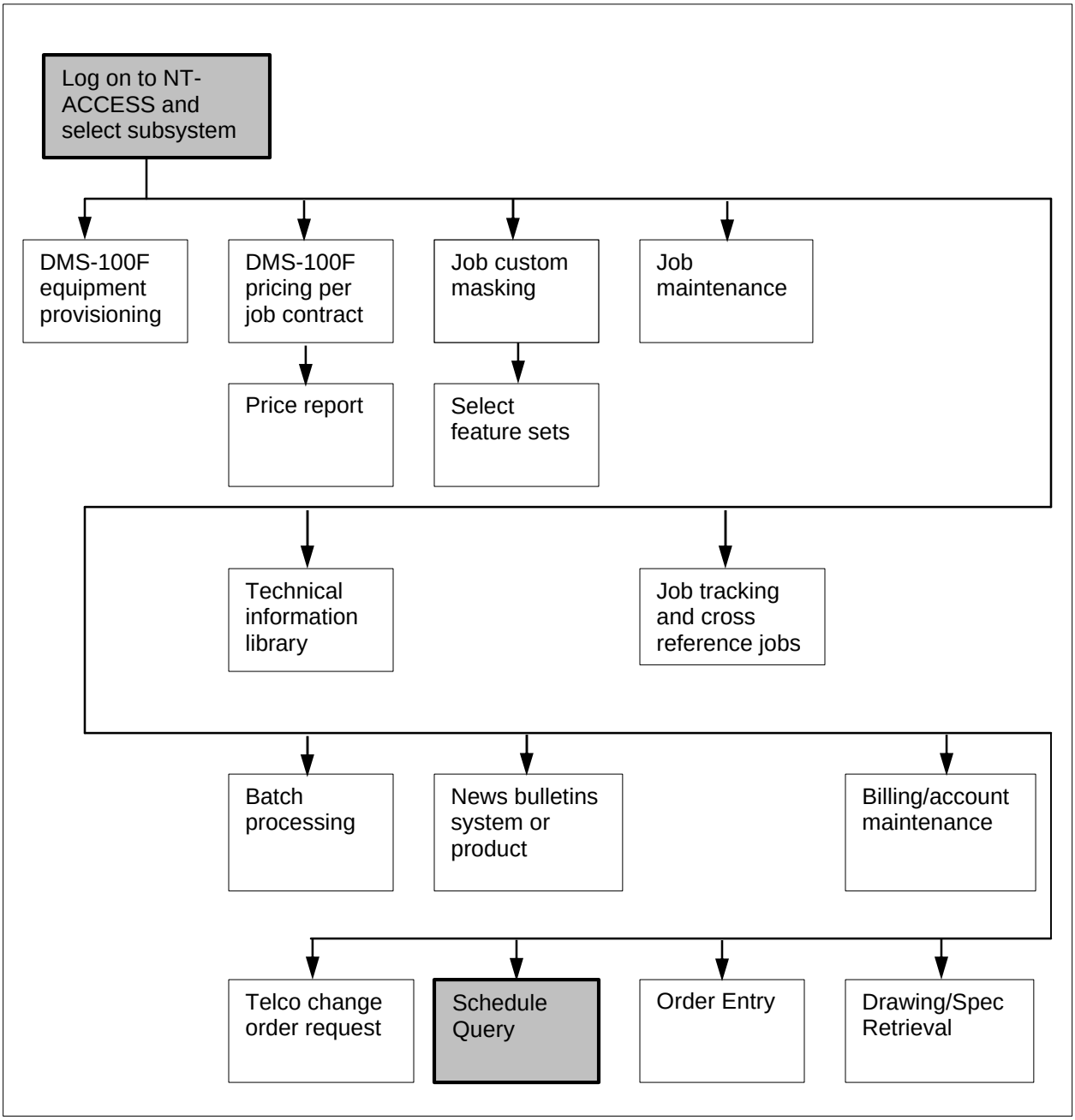
- PF1 = Help
  - — invokes the online help facility
- PF3 = Quit
  - — exits from this screen
- PF7 = Bkwd
  - — scrolls backward one screen
- PF8 = Fwd
  - — scrolls forward one screen

Schedule Query

What is Schedule Query?

Schedule Query is a sub module of NT-ACCESS that permits specific job schedules to be viewed from NT-ACCESS. The relationship between NT-ACCESS and Schedule Query is illustrated in Figure 11-1.

Figure 11-1
NT-ACCESS process flow – Schedule Query

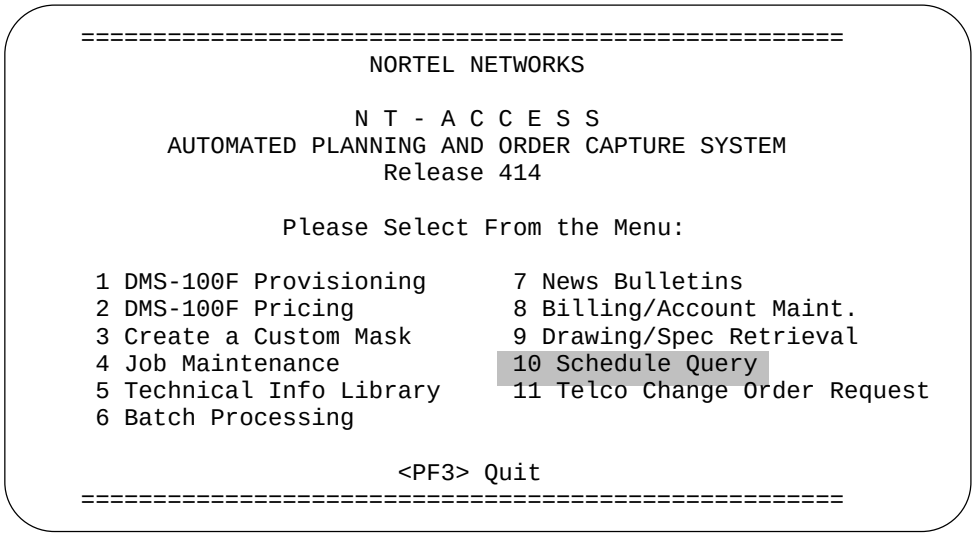


How to view job schedules from NT-ACCESS

To view job schedules from NT-ACCESS, perform the following:

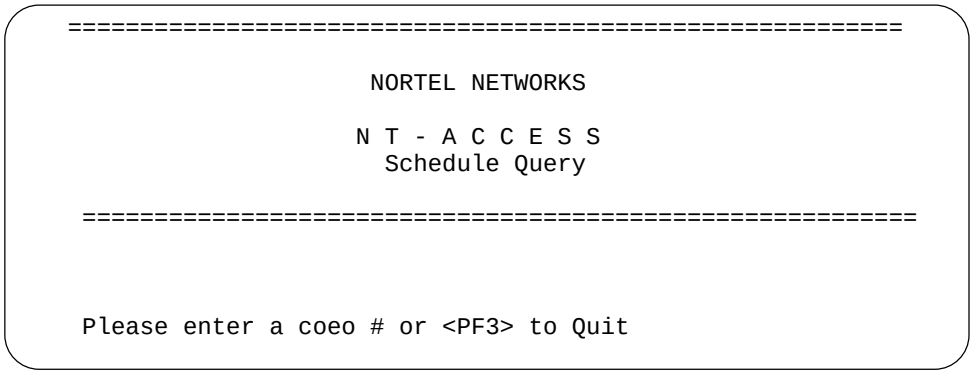
1 Select Schedule Query from the NT-ACCESS main menu illustrated in Figure 11-2.

Figure 11-2
NT-ACCESS main menu – Schedule Query



The Schedule Query screen illustrated in Figure 11-3 is presented.

Figure 11-3
Schedule Query screen



2 Type the COEO number of the job.

3 Press <ENTER>. The system verifies the COEO number. If the COEO number is not valid or does not have associated scheduling information, the following message is presented:

```
ERROR –– NO SCHEDULING INFORMATION FOUND FOR HXXXXX.....
```

If there is a system problem that prevents information extraction, the following message is presented:

```
UNABLE TO EXTRACT CUSTOMER ID INFO.....
```

If the COEO number is valid, the following screen is presented:

Figure 11-4
Job Schedule screen

```
  REPORT MANAGER : QSCHED  LISTING             Top line is line 1 of 7
                             SCHEDULE QUERY

----------- LOCATION=PEACHTREE PL EI          CLLI=ATLNGAPP34A -------------

 COEO    SUBORDER   ORDSTAT    CI      D      H       K      BCSDATE BCS_LVL

 H00496               I        8631   8649   8702   8716      8706 .
 H00496      D1       I        8628   8704   8706   8716 .
 H00496      J1       I        8648   8708   8710   8718 .
 H00496      J2       I        8703   8710   8712   8716 .
 H00496      J3       I        8705   8711   8713   8716 .
 H00496      S1       I        8628   8649   8702   8705               BCS20
 H00496      S2       I        8628   8649   8701   8716               BCS23
 H00496      S3       I               8748   8701   8803               BCS24
 H00496      S4       I               8710   8712   8814               BCS24
====>
PF1-Help PF2-Configure PF3-Quit  PF4-Print PF5-Download    PF6-Repeat Search
PF7-Up   PF8-Down      PF9-Scrapbook       PF10-Right/Left PF11=Cut
```

The first occurrence of the COEO number represents the base order. The occurrences that follow represent suborders for that COEO. The first character of the suborder is a letter which represents the following:

- A
  — advance ship
- D
  — delay
- S
  — software
- J
  — job information memorandum (JIM)
- E
  — Equipment

Change Request

What is change request?

Change Request is a process that allows opening and transmitting an electronic request to make changes to the questionnaire, to the equipment list, or both.

When the changes are complete, the request is electronically transmitted to Nortel Networks. The change request is transmitted simultaneously to engineering, marketing, and sales.

Several change requests may be submitted for a job, but *only one change may be open against a job at a time.* Each change must be opened, processed, and closed prior to transmittal, and each must be transmitted before any subsequent change request can be opened. Refer to page 1-51, “How to create a change order,” for more detailed instructions.

How to create a change request

To create a change request, perform the following steps:

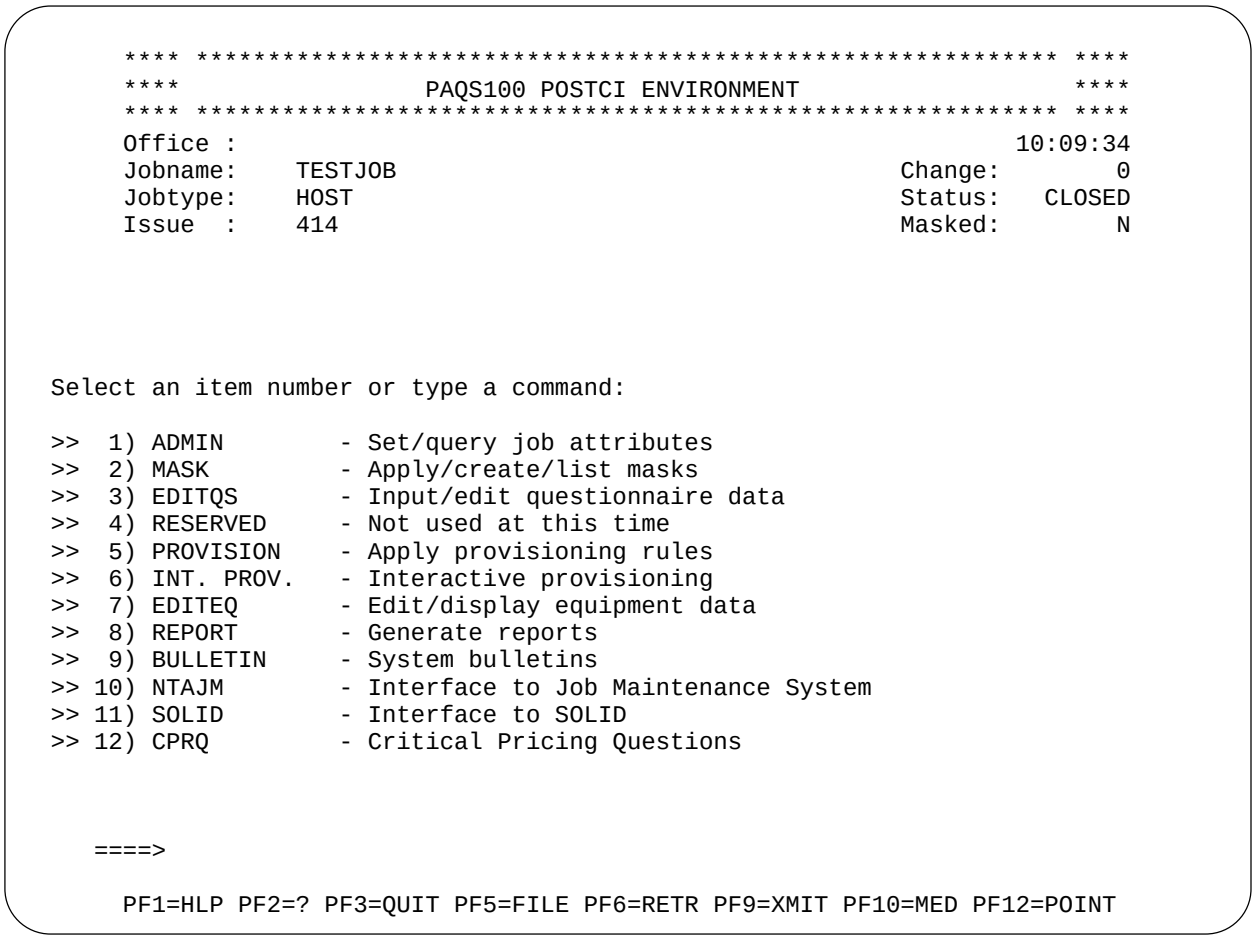
1 Retrieve the most recent issue of the job from ARCHIVE.

2 Select menu item DMS-100F Provisioning from the NT-ACCESS main menu. (Refer to Chapter 2, “DMS-100F Provisioning System,” for more information on entering the provisioning system.)

3 Enter the job name.

Note: The job should be in the POSTCI environment (providing > **LOCK FINAL** was performed). If not, enter the command > **LOCK FINAL** on the command line and the PAQS100 POSTCI Environment menu illustrated in Figure 12-1 is presented.

Figure 12-1
POSTCI Environment menu



The system checks the job for any options pending and prompts to delete the options. *All* options must be merged or deleted prior to performing this command. No changes can be opened against a job that is not in the POSTCI environment.

Note: The message at the top of the screen in Figure 12-1 indicates that this job is in the POSTCI environment.

POSTCI Environment menu items

The POSTCI Environment menu items are defined below:

- CHG. ADMIN
  - — presents the change order screen
- ADMIN
  - — presents the jobs administration screen
- EDITQS
  - — presents the input questionnaire
- PROVISION
  - — invokes the provisioning process
- INT. PROV
  - — presents the interactive provisioning screen and entrance to IMPROV
- EDITEQ
  - — presents the edit equipment screen
- REPORT
  - — presents the report selection screen
- BULLETIN
  - — invokes bulletins
- NTAJM
  - — invokes the Job Maintenance System
- SOLID
  - — invokes the PAQS to SOLID Interface
- CPRQ
  - — Invokes Critical Pricing Questions display

POSTCI Environment menu PF keys

The POSTCI Environment menu PF keys are defined below:

- PF1 = HELP
  - — provides online help for the current screen
- PF2 =?
  - — provides help per line item

- PF3 = QUIT
  - — issues the following prompt:
    - – > **Y** returns the system to the NT-ACCESS main menu without saving data (Warnings are issued.)
    - – > **N** results in no action and the system remains in the PAQS100 main menu.
- PF4 = EXIT
  - — exits the full screen mode, enters the PAQS command mode, and presents the READY prompt and a blank screen. Advanced commands are executed from this environment.

    Note: Type >**FSENV** to return to the **PAQS100** main menu, > **FILE** to exit and save, or > **QUIT** to exit without saving session data altered since the last save.
- PF5 = FILE
  - — saves the current session and returns to the NT-ACCESS main menu
- PF6 = RETR
  - — displays the last command entered on command line
- PF9 = XMIT
  - — transmits reports to Nortel Networks
- PF10 = MED
  - — Toggles Automatic screen clear between: Slow – 30sec, Medium – 10sec, and Fast – 2sec
- PF12 = POINT
  - — invokes the item the cursor is currently on

POSTCI Change Administration screen

To access the POSTCI Change Administration function, select menu item 1, CHG. ADMIN – POSTCI Change Administration, from the POSTCI Environment menu illustrated in Figure 12-1 on page 12-2. The Change Administration screen illustrated in Figure 12-2 is presented.

Figure 12-2
POSTCI Change Administration screen

```
*** ********************************************************** ***
***                POSTCI  CHANGE  ADMINISTRATION                ***
*** ********************************************************** ***

COEO            :                      TO    NT Engineer      :
                                             Department       :
OFFICE NAME     :                                             :
CHANGE NO.      : 0  (PAQS ID)
                                       FROM  Telco Engineer   :
STATUS          : CLOSED                     Phone No.        :
CLASS           :       ACTIVITY TYPE : NA
QUOTE or FIRM   :
REQUEST NO.     :

DESCRIPTION     :




DATES OF BASE JOB:   CI:           D:  20031212  H:            K:



1=HELP     2=         3=EXIT     4=CHG OPEN  5=CHG NOTES  6=FSREPORT
7=         8=FSEQ     9=FSIQ    10=FSEC      11=CHG ABORT 12=CLS/XMIT
```

POSTCI Change Administration screen fields

The POSTCI Change Administration screen fields are defined below:

- COEO
  - displays the COEO number for the current job
    - This field *must* be populated to successfully transmit a change request.
- To Nortel Networks Engineer
  - name of the Nortel Networks engineer (if known)
- Department
  - name of the Nortel Networks engineer department number (if known)
- From Telco Engineer
  - name of the operating company engineer
    - This field *must* be filled in to successfully transmit the change request.

- Phone No.
  - — phone number of the operating company engineer
    - – This field *must* be filled in to successfully transmit the change request.
- OFFICE NAME
  - — displays the eight character job name
- CHANGE NO.
  - — displays the current change request number
- STATUS
  - — displays the status of the change request
- CLASS
  - — displays the class of the change, for example, R for Request
- QUOTE OR FIRM
  - — — quote or firm change request
- REQUEST NO.
  - — system generated request number
- DESCRIPTION
  - — provides up to a 40 character description of the job
- DATES OF BASE JOB
  - — provides the schedule of dates for the base job

POSTCI Change Administration screen PF keys

The POSTCI Change Administration screen PF keys are defined below:

- 1 = HELP
  - — provides help for the screen that is displayed
- 3 = QUIT
  - — presents the POSTCI Environment screen
- 4 = CHG OPEN
  - — opens a change request
- 5 = CHG NOTES
  - — invokes the note editor to type in additional notes against a change request

- 6 = FSREPORT
  - — invokes the report selection menu
- 8 = FSEQ
  - — invokes the edit equipment screen
- 9 = FSIQ
  - — invokes the interactive questionnaire
- 10 = FSEC
  - — invokes interactive provisioning and entrance to IMPROV
- 11 = CHG ABORT
  - — halts the current change request
- 12 = TRANSMIT
  - — transmits the change request to Nortel Networks

How to change notes

To type in additional notes against a change request, perform the following steps:

1 Select <PF5>, CHG NOTES, from the POSTCI Change Administration screen illustrated in Figure 12-2 on page 12-5. The Change Note Edit screen illustrated in Figure 12-3 is presented.

Figure 12-3
Change Note Edit screen

```
 C H A N G E    N O T E D I T                          CHANGE: 1




===== * * * Top of Range (Line=2) * * *
===== TESTJOB 030808 CHANGE : 1
===== DMS 100 INITIAL OFFICE WITH 50000 LINES
===== * * * End of Range (Line=3) * * *




3 = QUIT  4 = TOP  5 = BOTTOM  7 = UP  8 = DOWN  9 = INPUT  12 =
FILE

====>
```

This screen is an editor that provides the ability to type in one or more lines of information.

2 To type in additional lines, press <PF9>, Input. Start typing in the text directly under the line in the editor that indicates the change number.

3 Once the note is complete, press <ENTER> or <RETURN>, then <PF12> to file the note. A report of these notes is obtained by selecting the notes from the report menu.

Change Note Edit screen fields

The Change Note Edit screen fields are defined below:

- ==== represents lines in the editor.
- CHANGE : 1 represents the current change request number
- ===> represents the command line.

Change Note Edit screen PF keys

The Change Note Edit screen PF keys are defined below:

- 3 = QUIT
  - — returns to the POSTCI Change Administration screen
- 4 = TOP
  - — moves the screen to the top line
- 5 = BOTTOM
  - — moves the screen to the bottom line
- 7 = UP
  - — scrolls backward one screen
- 8 = DOWN
  - — scrolls forward one screen
- 9 = INPUT
  - — provides additional lines for typing in information
- 12 = FILE
  - — files and saves note information and presents the POSTCI Change Administration screen

How to generate reports based on change request numbers

If <PF6>, FSREPORT, from the POSTCI Change Administration screen, is selected, the FSREPORT screen illustrated in Figure 12-4 is presented.

Figure 12-4
FSREPORT screen

```
                              PAQS100 REPORT MENU
JOBNAME: TEST      ALT MEREP? Y/N: Y                  CLLI: 3
MENU: ENGPAQS  TITLEPAGE: N LINES/PAGE: 60 REPORT DESTINATION: RPTMGR
PAGE FOOTERS? Y/N: Y
REPORT                  DESCRIPTION                RUN CHANGE  PARAMETERS
-------- ---------------------------------------- ---   ---   ----------
MEREP    EQUIPMENT BREAKDOWN                      N      **
MEREPBB  EQUIPMENT BREAKDOWM BUILDING BLOCKS      N      **
CONSEQPT CONSTRAINED EQUIPMENT                    N      **
LEVELC   MATERIAL ESTIMATE                        N      **
MESUM    EQUIPMENT SUMMARY                        N      **
MESUMBB  EQUIPMENT SUMMARY BUILDING BLOCKS        N      **
BNKQUEST BLANK QUESTIONNAIRE                      N             L
MSKQUEST MASKED BLANK QUESTIONNAIRE               N             L
ANSQUEST UNMASKED ANSWERED QUESTIONNAIRE          N      **     N S
ANSQUEST MASKED ANSWERED QUESTIONNAIRE            N      **     Y S
MANSQUES MASKED ANSWERED QUESTIONNAIRE            N      **     Y S
CWORKSHT QUESTIONNAIRE WORKSHEET                  N      **
PRNOTES  PROVISIONING NOTES                       N      **
MSGSRPT  PROVISIONING MESSAGES                    N
TRACERPT PROVISIONING TRACE                       N
PSMTABS  PSM TABLE EXPANSION                      N      **
GPECREP  GPEC LISTING                             N      **
NOTESREP QUESTIONNAIRE NOTES REPORT               N      **     Q
NOTESREP EQUIPMENT NOTES REPORT                   N      **     E
NOTESREP CHANGE NOTES REPORT                      N      **     C
FULEQSUM FULL POSTCI EQUIPMENT SUMMARY            N      **
LOCKEDME LOCKED MATERIAL ESTIMATE                 N      **
ANALYSIS ANALYSIS REPORT                          N      **
EQSUMM   FRAME & SHELF SUMMARY                    N      **
FRAMESUM FRAME SUMMARY                            N      **
MRLFORM  BCS MRL REPORT                           N      **
DNCSPECS DNC SPECIFICATIONS                       N      **
DNCABLES DNC SCSI CABLE SPECS                     N      **
QUESTLOG QUESTIONNAIRE LOG                        N
PQREPT   PQ IDENTIFICATION REPORT                 N      **
VALMEL   MEL VALIDATION REPORT                    N      **
SWORDPW2 SOFTWARE ORDER REPORT                    N
NDBANNER NORTEL DIRECT JOB                        N
RUSSPARE RUS SPARES REPORT                        N      **


   1=HELP   2=?   3=QUIT          7=UP   8=DOWN   9=CLOSE          12=RUN
```

The report menu is identical to selecting the REPORT menu item – generate reports, on the POSTCI Environment menu except reports may be generated based on change request numbers.

PAQS100 Equipment Input screen

If <PF8>, FSEQ, on the POSTCI Change Administration screen is selected, the PAQS100 Equipment Input screen illustrated in Figure 12-5 is presented.

Figure 12-5
PAQS100 Equipment Input Screen

```
PAQS100 Equipment Input

 JOBNAME: TEST      COEO: H99999      SORT: Q      MASK: NONE       DFLG Y
 CHANGE: 1  DESC:
 +-------------+----+--------------------+-----+------+------+---+-----+-
 |   PEC CODE  |  PQ|     DESCRIPTION     |TOTAL|C.ADD |EXIST |NOT|DELTA|
 +-------------+----+--------------------+-----+------+------+---+-----+-
 NT0X00LA       ALA0 LOW POWER ALARM SYSTEM  1     0      0         1
 R0061580       CAA0 26GA-66 COND 808A       80    0      0         40
 NT010AA        SPA0 MISC SCANNER            5     0      0         1

+-------------+----+--------------------+-----+------+------+---+-----+-

 +-------------+----+--------------------+-----+------+------+---+-----+-
 ==>
 1=BB  2=? 3=QUIT 4=NOTE 5=   6=   7=UP 8=DWN 9=    10=    11=    12=POINT
```

The PAQS100 Equipment Input screen displayed is identical to menu item PC Interface on the NT-ACCESS main menu, except a delta quantity between the initial order and the change request currently in process is provided.

> ***Note:*** The change number is displayed in the field where options are usually displayed.

PAQS100 Questionnaire Input screen

If <PF9>, FSIQ, on the POSTCI Change Administration screen is selected, the Questionnaire Input screen illustrated in Figure 12-6 is presented.

Figure 12-6
Questionnaire Input screen – POSTCI

```
                          PAQS100 QUESTIONNAIRE INPUT

JOBNAME: TESTER   COEO:          MASK: OFF NAME:   COMPRESS: Y ALT: 0
CHANGE: 1  BASE 0  DESC: WITH 1RSC 2000L
1A17         REMOTE SITE OVERVIEW
+-----------------------------------------------------------------+
|ROW|REF|TYPE .|SITE         .|PROP.|EXIST|MS/L|RATE|RMT|2-WAY   |
+-----------------------------------------------------------------+
  1      RSC
  2
..3
..4
  5
  6
  7
  8
  9
  10
..11

==>
1=HELP 2=? 3=QUIT 4=NOTE 5=DONE 6=DUP 7=UP 8=DWN 9=DEL 10=L/R 11=TAB_DEL 12=PT
```

The Questionnaire Input screen is identical to menu item Create A Custom Mask on the NT-ACCESS main menu, except the Change Request number currently in process is displayed where options are usually displayed. In this example the lines table from the host questionnaire is displayed.

PAQS100 Interactive Provisioning screen

If <PF10>, FSEC, on the POSTCI Change Administration screen is selected, the PAQS100 Interactive Provisioning screen illustrated in Figure 12-7 is presented.

Figure 12-7
PAQS100 Interactive Provisioning screen – POSTCI

```
                      PAQS100 INTERACTIVE PROVISIONING

Jobname: TEST     Jobtype: HOST   Issue: 414 Status: READY   Mode: ALL
Change: ** Desc:                                          Msgs: Y
+---+--------+--------+-----------------------------------------------------+
|Run| Status |  Name  |               Module Name                           |
+---+--------+--------+-----------------------------------------------------+

 N            OO       OFFICE OVERVIEW
 N            LT       LINES & TRUNKS
 N            CO       CONTROLLERS
 N            IO       INPUT OUTPUT
 N            MM       MAINTENANCE TESTING
 N            NM       NETWORK
 N            SW       SOFTWARE
 N            CC       CORE
 N            OM       OAM&P
 N            BD       BOUGHT DIRECT
 N            PH       PHYSICAL



 1= Help      2= Ready     3= Quit       4= Top        5= Bottom     6= Expand
 7 =Up        8= Down      9= Import    10= Export    11= IQ        12= Run
```

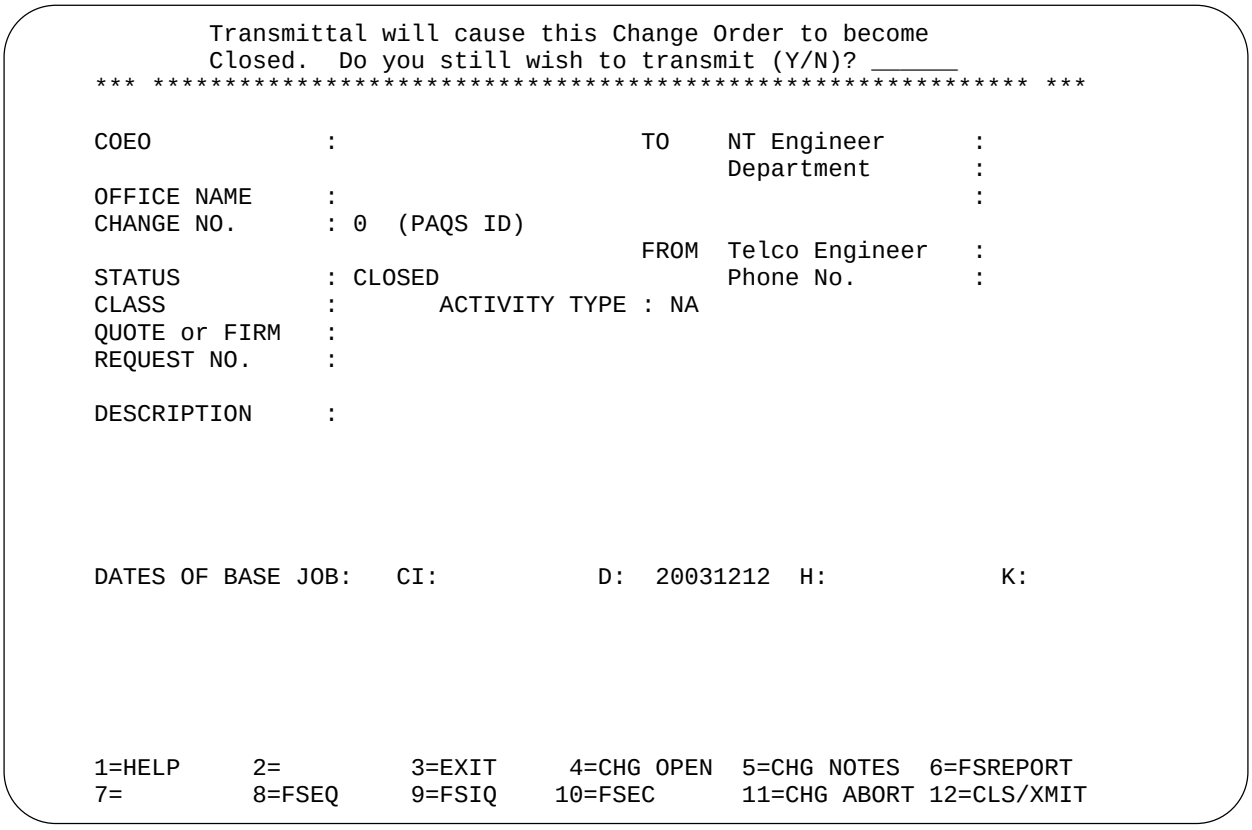
The PAQS100 Interactive Provisioning screen is identical to menu item Job Tracking from the NT-ACCESS main menu, except the change request number currently in process is displayed where options are usually displayed. This example is for a remote office. IMPROV can be used in the POSTCI mode with host jobs. To provision a change through IMPROV, press <PF6>.

If <PF11>, CHG ABORT, on the POSTCI Change Administration screen is selected, no other screen is displayed. The system prompts for verification to abort the change request.

How to transmit a change request

If <PF12>, TRANSMIT, on the POSTCI Change Administration screen is selected, the Change Transmit screen illustrated in Figure 12-8 is presented.

Figure 12-8
Change Transmit screen



NT-ACCESS prompts for confirmation that transmittal is requested at this time. Select > **Y** for yes, and the PKX – Package and Transmit Facility screen illustrated in Figure 12-9 is presented.

Figure 12-9
PKX – Package and Transmit Facility screen

```
     P K X  -  P A C K A G E   A N D   T R A N S M I T   F A C I L I T Y
Job Name:     TEST                                          Date:  8 Aug 2003
Activity:     CLASS C W M V B D S 88K JA CHANGE             Time:  11:43:31
Option Range: 63.96                          Control File Name:  NTREGH
Target:       DOCUMENTATION  POWER
Active:       N              N

              G S P          G S P
              E N R          E N R
              N D T          N D T

ANSQUEST                     Y Y Y
PRNOTES                      Y Y Y
MEREP                        Y Y Y
HDOC1         Y Y
NOTERPT                      Y Y Y




1=HELP 3=QUIT 4=EDIT 5=ACTIVITY    7=PREV 8=NEXT          10=LOAD 12=EXECUTE
```

The screen displayed is the Package and Transmit Facility screen in the change request module. This facility generates and sends reports as an electronic package to the respective departments in Nortel Networks. Nortel Networks regional coordinators set up the accounts to generate the appropriate reports and determine the target destinations where they are sent. Therefore, upon transmitting change requests to Nortel Networks, this screen is pre-filled.

Note: Do not attempt to modify any of the fields on the following screens. Modification causes undesirable results and transmittal of your change may not occur.

PKX – Package and Transmit Facility screen fields

The PKX – Package and Transmit Facility screen fields are defined below:

- Job Name
  - — displays the current job name
- Date
  - — displays the current date
- Activity
  - — RFQ/CI document indicates that a change request is in process for a CI document
- Time
  - — displays the current time

- Option Range
  — displays the current change request number
- Control file name
  — indicates the control file setup for specific operating companies
- Target
  — displays the departments in Nortel Networks that receive transmitted files
- Active
  — activates the targets specified in the target field
- GEN
  — used to generate reports (command)
- SND
  — used to send reports (command)
- PRT
  — used to print reports (command)
- NOTERPT
  — notes report
- MEREP
  — material equipment list
- ANSQUEST
  — answered questionnaire
- PRNOTES
  — provisioning notes report

Note: Different reports are required by some companies. If so, contact the Nortel Networks regional coordinator for any required modifications.

PKX – Package and Transmit Facility screen PF keys

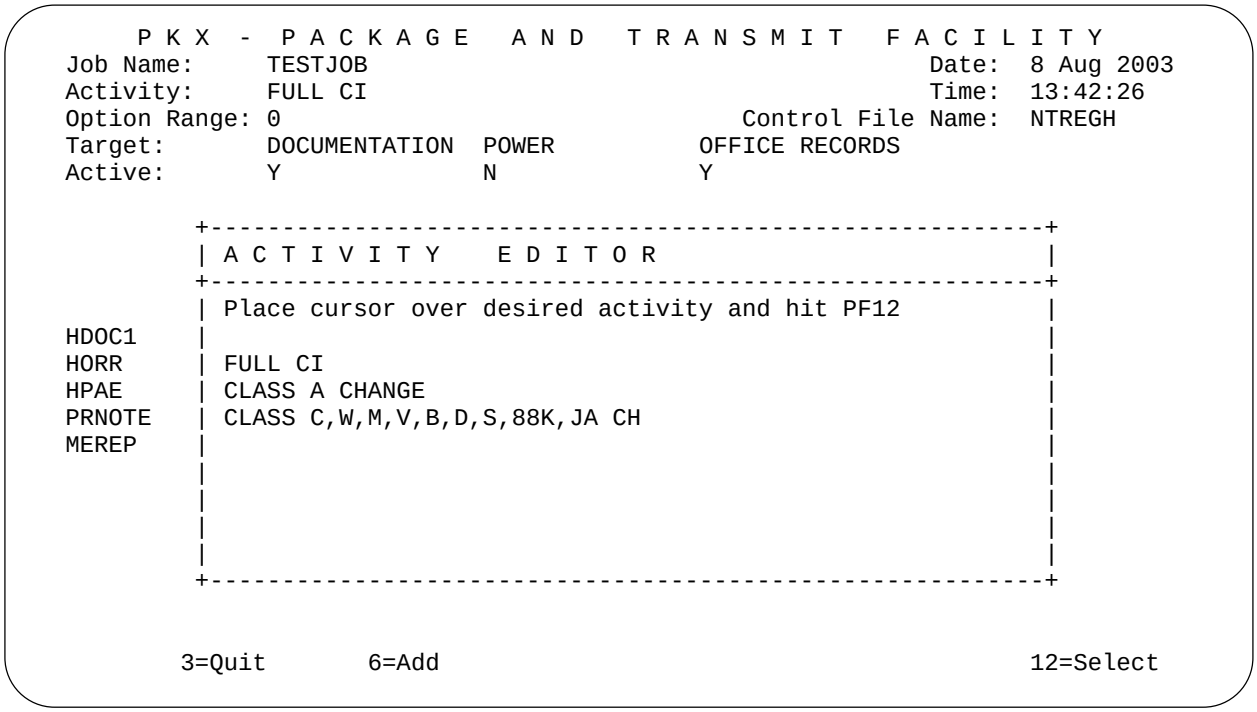
The PKX – Package and Transmit Facility screen PF keys are defined below:

- 1 = Help
  - — presents the online help facility for the screen currently displayed
- 3 = Quit
  - — exits to the POSTCI environment screen
- 4 = Edit
  - — provides additional screen editing
- 5 = ActivityList
  - — provides the ability to select the activity to be performed
- 7 = Previous
  - — provides a display of the previous four targets
- 8 = Next
  - — provides a display of the next four targets
- 10 = Load
  - — provides additional screen editing
- 12 = Execute
  - — files the screen currently displayed

Package and Transmit Activity Editor

Modifications are made to package and transmit by locating the cursor in specific fields and pressing the PF3 key. The Activity Editor is activated by pressing PF5. By pressing PF5 in the PKX – Package and Transmit Facility screen, the Package and Transmit Activity Editor screen illustrated in Figure 12-10 is presented.

Figure 12-10
Package and Transmit Activity Editor



This screen allows modification of the Activity Editor resulting in a change of the name of the activity. The screen remains the same, except a window appears providing editing capabilities. *Do not modify any of these fields or screens.*

Package and Transmit Activity Editor PF keys

The Package and Transmit Activity Editor PF keys are defined below:

- 3 = Quit
  - — returns the screen to the original package and transmit format
- 6 = Add
  - — allows additional modifications
- 12 = Select
  - — allows the selection of the item shown, for example, class A change order

Package and Transmit Report Editor

If the cursor is placed on the reports listed field in the PKX – Package and Transmit Facility screen illustrated in Figure 12-9 on page 12-14, the Package and Transmit Report Editor screen illustrated in Figure 12-11 is presented.

Figure 12-11
Package and Transmit Report Editor

```
     P K X  -  P A C K A G E   A N D   T R A N S M I T   F A C I L I T Y
Job Name:     TEST                                          Date:  8 Aug 2003
Activity:     FULL CI                                       Time:  14:37:02
Option Range: 0                                Control File Name:  NTREGH
Target:       DOCUMENTATION  POWER          OFFICE RECORDS
Active:       Y              N              Y

          +-----------------------------------------------------------+
          |  R E P O R T    E D I T O R                               |
          +-----------------------------------------------------------+
          |  Name:        HDOC1                                       |
HDOC1     |                                                           |
HORR      |  Description: DOCUMENTATION                               |
HPAE      |  Parameters:                                              |
PRNOTE    |  System:      PAQS                                        |
MEREP     |  Filename:    *         Filetype: HDOC1                   |
          |  Laser Form:                                              |
          |                                                           |
          |                                                           |
          |                                                           |
          +-----------------------------------------------------------+

                        1=Help     3=Exit           5=Next
```

This screen allows modification of generated reports sent electronically to Nortel Networks.

Package and Transmit Report Editor PF keys

The Package and Transmit Report Editor PF keys are defined below:

- 1 = Help
  - — invokes the online Help facility
- 3 = Quit
  - — exits the displayed window
- 5 = Next
  - — permits viewing the next report
- 6 = Add
  - — permits adding additional reports
- 9 = Delete
  - — allows the deletion of reports

Report Manager

What is the Report Manager?

The Report Manager is a sub module of NT-ACCESS that enables reports to be viewed, printed, and downloaded. While viewing reports, it is easy to move freely from one screen to another or search for any word or phrase. It also provides an easy way to repeat searches and locate the next occurrence of a word or phrase.

Note: This search is performed on the word or phrase and disregards the case of the text.

Report Manager applications

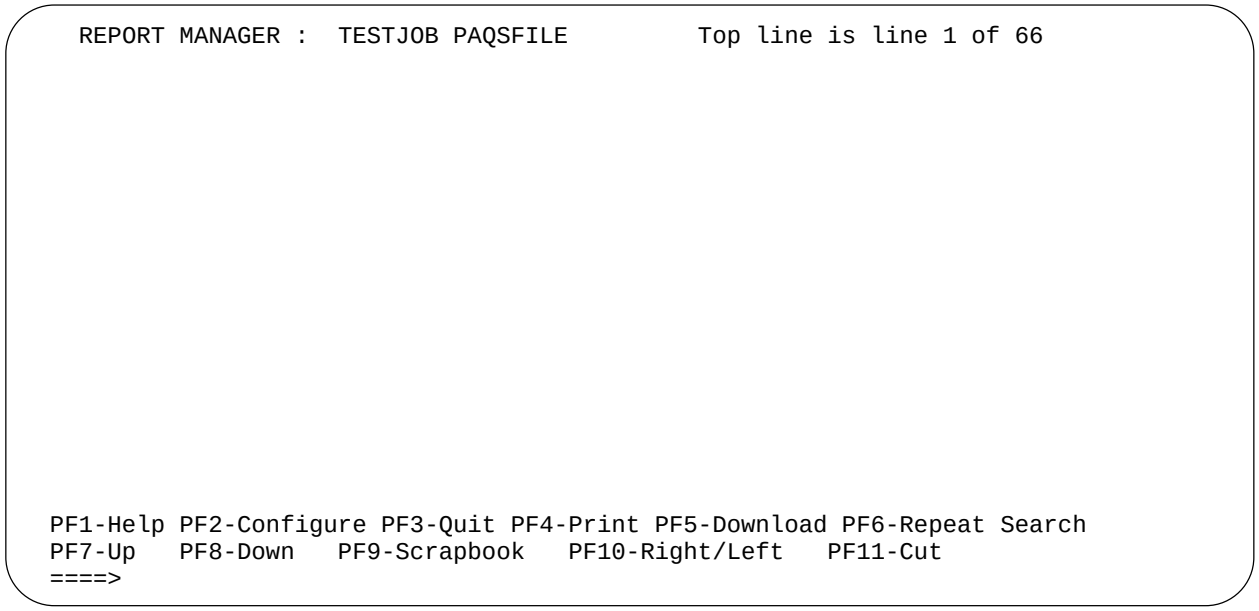
All sub modules in NT-ACCESS that allow printing and downloading of files use the Report Manager functions. Some of these sub modules are listed below:

- PAQS100 – report menu
- PRISM – receiving pricing reports
- Job Maintenance – Inbox listings
- Technical Information Library (TIL) – technical summaries
- Batch Processing – receiving reports
- News Bulletins – system and product bulletins
- Billing/Account Maintenance – session charge reports

The Report Manager Display panel

When a report is requested from NT-ACCESS, the report is generated with Report Manager commands listed along the bottom of the report display as illustrated in Figure 13-1.

Figure 13-1
Report Manager Display panel



Report Manager Display panel PF keys

The Report Manager Display panel PF keys are defined below:

- PF1–Help
  - — invokes the online help facility
- PF2–Configure
  - — presents the Report Configuration screen
  - — used to set printing or downloading parameters for reports
- PF3–Quit
  - — exits the current report
  - — the report that is being viewed is erased
- PF4–Print
  - — prints the report according to the parameters set at the Report Configuration screen
    - – Parameters can be sent to print to the PC or terminal.
- PF5–Download
  - — downloads the report according to the parameters set at the Report Configuration screen
    - – Parameters can be set to download to a PC using SIMPC or EMAIL.

- PF6–Repeat Search
  - repeats the most recent word string search, disregarding the case of the text during the search
- PF7–Up
  - scrolls backward one screen in the report
- PF8–Down
  - scrolls forward one screen in the report
- PF9–Scrapbook
  - presents information placed in the scrapbook
    - Press <PF9> to view information in the scrapbook file. All commands entered after <PF9> affect only the scrapbook file.
    - Press <PF3> to exit the scrapbook. The report is presented.
- PF10–Right/Left
  - toggles between the right and left side of the report (Some reports are too wide to view on the screen.)
    - Only 80 columns are displayed at a time.
- PF11–Cut
  - specifies the number of lines to be cut from the report and placed in the scrapbook

How to receive help from the Report Manager Help Screen

Enter >? or press <PF1> to access the help screens illustrated in Figure 13-2.

Figure 13-2
Report Manager Help Screen – part 1

```
                NTACCESS  Report Manager :   Help Screen

PF1  -  Invokes the online Help facility.
PF2  -  Presents the Report Configuration screen.  From here you can set
        parameters for printing or downloading your reports.
PF3  -  Exits the current screen.
PF4  -  Prints report according to parameters set at Report Configuration
        screen.  Parameters can be set to print to PC or terminal.
PF5  -  Downloads report according to parameters set at Report Configuration
        screen.  Parameters can be set to download to your PC via SIMPC
        or EMAIL .
PF6  -  Repeats your most recent word search.
PF7  -  Scrolls backward one screen.
PF8  -  Scrolls forward one screen.
PF9  -  Presents information "CUT" into the scrapbook.
PF10 -  Toggles between right and left side of the report.  80 columns
        are displayed at a time.
PF11 -  Allows you to specify the line numbers to be "CUT" from the report
        and put into the scrapbook

   Word Search:

   You may enter any phrase at the Report Manager command line.  Report
Manager will search the report for the next occurrence of that phrase
and move to that location of the report.  Phrase searches are NOT case
sensitive.  You may also use slash marks ( "/" ) to delimit the phrase
you are searching for.

   Example:  DataPath     - Will search for the first occurrence of
                            the word 'datapath' in the document.
             /DataPath/   - Will search for the first occurrence of
                            the word 'datapath' in the document.
   Note the words 'datapath'  'Datapath'  and 'DATAPATH' are all seen
   as equivalent words by the search routine.


   You may also enter the following at the Report Manager command line.

TOP       - Goes to the top of the report.
BOT       - Goes to the bottom of the report.
+ <lines> - Moves forward in the report the specified number of lines.
- <lines> - Moves backward in the report the specified number of
            lines.
P         - Goes to the print screen.  This is the same as PF4.
D         - Goes to the download screen.  This is the same as PF5.


PF3 - Quit     PF7 - Up     PF8 - Down     PF10 - 1/2 Up     PF11 - 1/2 Down
```

Note: The commands listed on the Report Manager Help Screen are the only commands that may be used from the command line. Any other text typed on the command line is interpreted as a search string. If the string is found the line of the report containing that string is displayed on the top line of the report manager.

Report Manager Help Screen PF keys

The Report Manager Help Screen PF keys are defined below:

- PF3 – Quit
  - — exits the help screen
- PF7 – Up
  - — scrolls backward one page in the help screen
- PF8 – Down
  - — scrolls forward one page in the help screen
- PF10 – 1/2 Up
  - — scrolls 1/2 page backward in the help screen
- PF11 – 1/2 Down
  - — scrolls 1/2 page forward in the help screen

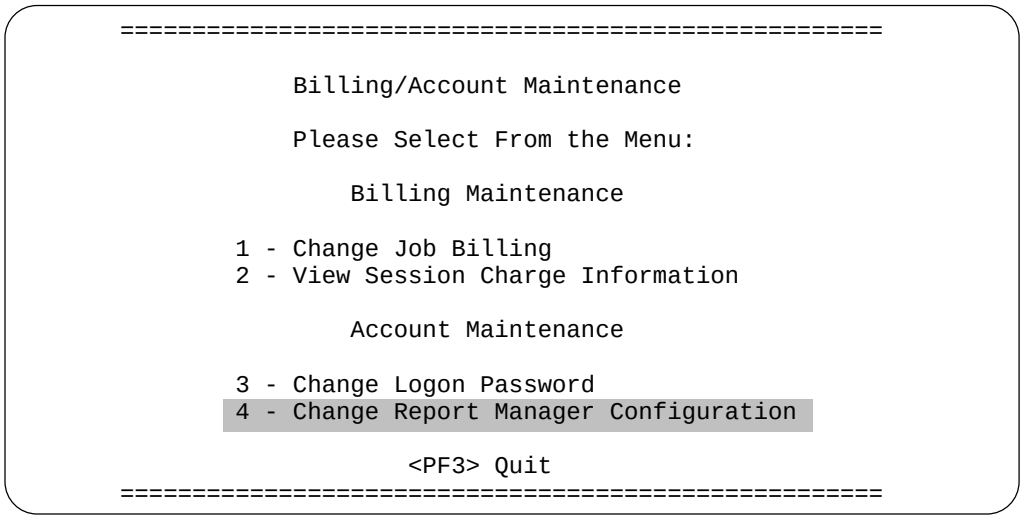
How to change the report configuration

Report configuration and download parameters are set from the Report Configuration screen.

The Report Configuration screen is accessed in several ways; by selecting menu item 4, Change Report Manager Configuration, from the Billing/Account Maintenance menu at the NT-ACCESS main menu, or by pressing <PF2> from any report display screen.

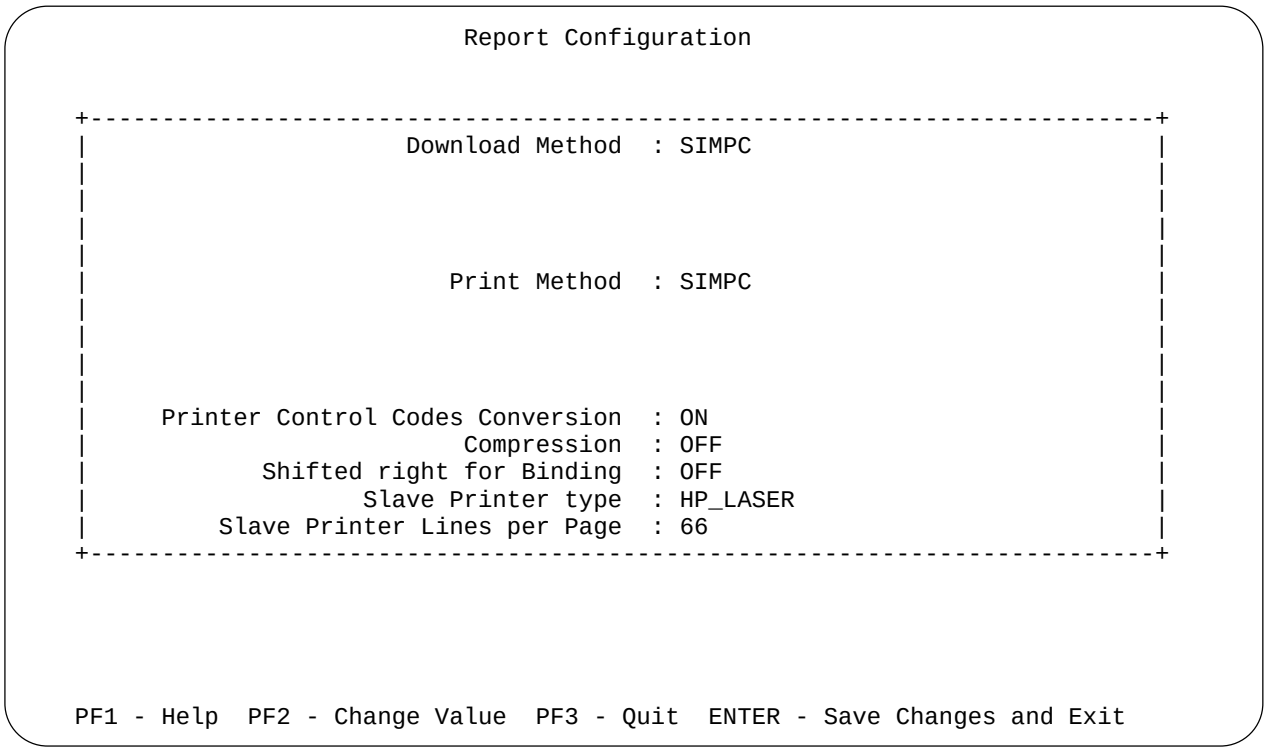
The Billing/Account Maintenance menu is illustrated in Figure 13-3.

Figure 13-3
Billing/Account Maintenance menu – Change Report Manager Configuration



Select menu item 4, Change Report Manager Configuration, from the Billing/Account Maintenance menu. The Report Configuration screen illustrated in Figure 13-4 is presented. The same screen is presented by pressing <PF2> from any report display screen.

Figure 13-4
Report Configuration screen



Note: The fields that can be modified are highlighted. The Auto Printer Start and Terminal Type fields are displayed only when Print Method is set to TERM.

Report Configuration screen fields

The Report Configuration screen fields are defined below:

- Download Method
  - The download method selections are listed below:
    - > **SIMPC** downloads reports to a PC running SIMPC communications software.
    - > **UNIX/UUCP** is only available to users registered for UNIX download capability. This selection transfers reports to your local UNIX system using UUCP.
    - > **EMAIL** downloads reports to specified internet e-mail or IP address.

- Print Method
  - The print method selections are listed below:
    - > **SIMPC** sends reports to a printer connected to a PC running SIMPC communications software.
    - > **TERM** sends reports to a terminal screen. A printer connected to this terminal can capture all the information displayed on the terminal screen.
- Auto Printer Start
  - The auto printer start selections are listed below:
    - > **ON** activates automated printer startup for the specific terminal type selected.
    - > **OFF** eliminates automated printer startup for the specific terminal type selected.
- Terminal Type
  - The terminal type selections are listed below:
    - >**TVI** sets the terminal type to a Televideo TVI series terminal. This setting is used mainly by PROCOMM users.
    - >**VT** sets the terminal type to a DEC VT series terminal. This setting is used mainly by SmartTerm, CROSSTALK, or other communication packages emulating a VT100.
- Compression
  - The compression selections are listed below:
    - > **ON** sets the printer to compressed print mode by adding control codes to the report.
    - **> OFF** results in no action. The printer is not placed in compressed print mode.
- Shifted right for Binding
  - The shifted right for binding selections are listed below:
    - > **ON** creates room for book binding by adding five blank columns to the left side of the report.
    - > **OFF** results in no action. Blank columns are not added to the left side of the report.

- Printer Control Codes Conversion
  - **> ON** creates special characters that allow automatic form feeding and compression (if compression is set to on). These special characters are added to the report file that is to be printed or downloaded. The default value for the Printer Control Codes Conversion field is on. Use the default value to print to a printer attached to your PC.
  - **> OFF** results in no action. No characters are added to the report file. This option should be used if you are printing to an IBM mainframe printer.
- Printer type
  - Printer type must be identified to ensure that the correct control codes are added to the report for form feeding and print compression. The printer type selections are listed below:
    - **> HP LASERJET**
    - **> LINE PRINTER**
    - **> NT PRINTJET**
  - If your printer is not compatible with any of the printer types shown, contact your NT-ACCESS coordinator.
- Slave Printer Lines per Page
  - Slave Printer Lines per Page provides the ability to modify the number of lines that are printed per page. The default number of lines per page is 66.

Report Configuration screen PF keys

The Report Configuration screen PF keys are defined below:

- PF1 – Help
  - invokes the online help facility
- PF2 – Change Value
  - toggles the value of the parameter identified by the cursor
- PF3 – Quit
  - exits the configuration screen without saving any changes
- ENTER – Save Changes and Exit
  - saves any changes and returns to the previous screen when <ENTER> is pressed

How to change option values on the Report Configuration screen

To change option values on the Report Configuration screen, perform the following steps:

1 <TAB> to the option line requiring change.

2 Press <PF2>.

3 Press <ENTER> to save the changes.

Note: To quit without saving the option value changes, press <PF3>.

To modify the number of lines printed per page, perform the following steps:

1 <TAB> to the Slave Printer Lines per Page field.

2 Type in the required number of lines per page.

3 Press <ENTER> to save the changes and return to the Billing/Account Maintenance menu, Figure 13-4 on page 13-6.

How to print from the Report Manager Display panel

To print from the Report Manager Display panel, perform the following steps:

1 1 Enter > **P** or press <PF4> from the Report Manager Display panel illustrated in Figure 13-1 on page 13-1 to access the Report Print Options menu. A variation of the menu with a pop-up window, illustrated in Figure 13-5, is presented.

Figure 13-5
Report Print Option menu

```
REPORT MANAGER :  TESTJOB PAQSFILE         Top line is line 1 of 66

                              PRINTING
  +-------------------------------------------------------------------+
  |   You have selected to print via TERMINAL.                        |
  |                                                                   |
  |   Print report to terminal or slaved printer.  To change printing |
  |   parameters quit and enter the Report Configuration screen.      |
  |                                                                   |
  |                                                                   |
  |   Printer control codes conversion is  ON                         |
  |   Compressed print mode is  OFF                                   |
  |   Right shifting mode is  OFF                                     |
  |   Printer type is  HP_LASERJET                                    |
  |   Terminal type is  TVI                                           |
  |   Auto printer start is ON                                        |
  |                                                                   |
  |               <PF3 - QUIT>     <ENTER - PROCEED>                  |
  +-------------------------------------------------------------------+


PF1-Help PF2-Configure PF3-Quit PF4-Print PF5-Download PF6-Repeat Search
PF7-Up   PF8-Down   PF9-Scrapbook   PF10-Right/Left   PF11-Cut
```

Note: The terminal type and auto printer start parameters are displayed on this pop-up window only when the print method is set to TERM on the Report Configuration screen and a DEC terminal is used.

2 Verify the report printing parameters that are displayed on the Report Print Option menu.

a. If the parameters are not set up correctly, perform the following steps:

i. Press <PF3> to exit the Report Print Option menu screen.

ii. Press <PF2> to enter the Report Configuration screen and change the parameters.

b. If the parameters are correct, press <ENTER> to proceed. The system presents the following prompt:

```
Please align paper in your printer and then press
RETURN
```

3 Align the paper on the printer, make sure it is online, and press <ENTER>.

Note: If downloading, instead of turning the printer on, activate the screen capture or log file on the software package (check the manual for the proper command; PROCOMM Plus uses <ALT><F1>), provide the PC filename for the report, and let the host print the file to the screen. When printing is complete, turn the log file off.

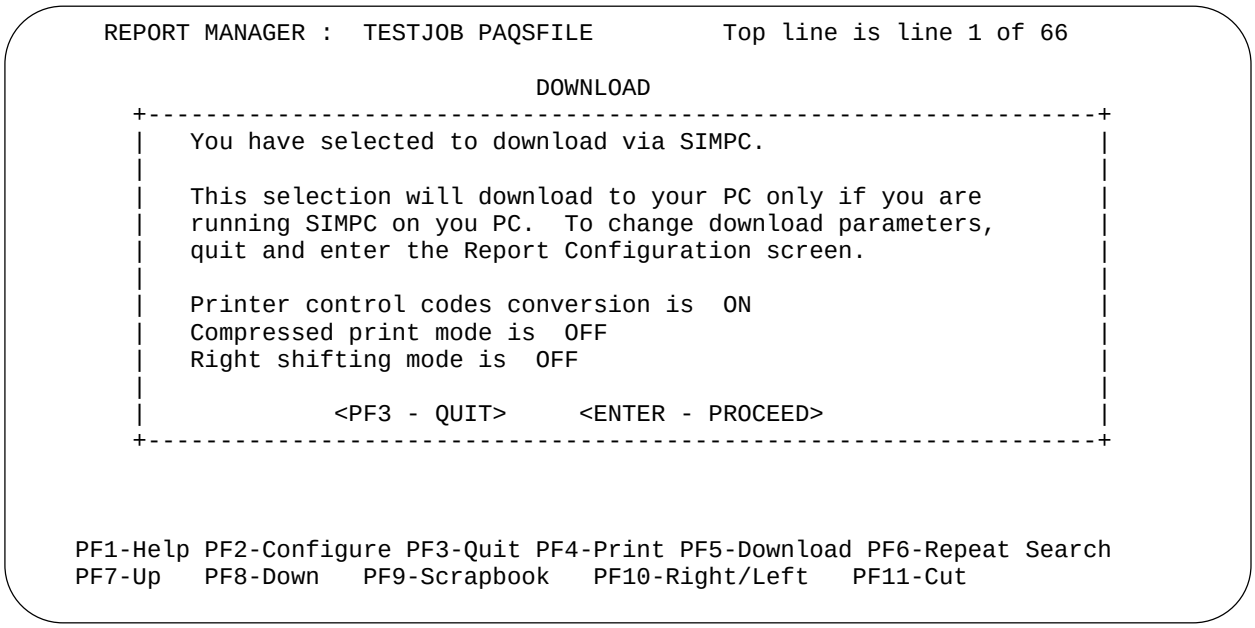
Can report printing be aborted?

In most cases, printing a report cannot be aborted because the capability is directly related to the software emulation package that is used, not to NT-ACCESS or the mainframe environment. The exception is when the full screen environment is emulated through SIMPC. The scroll lock key aborts printing. If a slave printer is used, there is no way to abort printing.

How to download using Report Manager

To download files to a PC menu, enter > **D** or press <PF5> at the report display panel to access the Download Files to a PC menu. A variation of the menu with a pop-up window, illustrated in Figure 13-6, is presented.

Figure 13-6
Download Files to a PC menu with pop-up window



Note: If the report download parameters are not correct, exit this screen and press <PF2> to enter the Report Configurations screen. If the report download parameters are correct, press <ENTER> to proceed.

How to download using SIMPC

To download files to a PC using SIMPC, perform the following:

1 Verify that the report parameters are set to SIMPC on the Report Configuration menu.

2 Enter > **D** or press <PF5> at the Report Display panel.

3 Press <ENTER>.

The file is saved in the current directory on the userID hard disk (usually the one that contains the SIMPC program). The PC filename is the job name, and the file type depends on the type of file to be downloaded.

How to download using EMAIL

To download using EMAIL, perform the following steps:

Step 1

Verify that the download method is set to EMAIL on the Report Configuration screen and that a valid email address or IP address has been entered. See Figure 13-7 below for an example of how a completed screen might look.

Figure 13-7
Download Verification screen

```
                          Report Configuration


+-------------------------------------------------------------------------+
|                      Download Method  : EMAIL                           |
|   Internet E-Mail or                                                    |
|   IP address: chucksim@nortelnetworks.com_____________________________ |
|                                                                         |
|                                                                         |
|                          Print Method  : SIMPC                          |
|                                                                         |
|                                                                         |
|                                                                         |
|                                                                         |
|                                                                         |
|     Printer Control Codes Conversion  : ON                              |
|                         Compression  : OFF                              |
|              Shifted right for Binding  : OFF                           |
|                    Slave Printer type  : HP_LASERJET                    |
|          Slave Printer Lines per Page  : 66,                            |
+-------------------------------------------------------------------------+



PF1 - Help  PF2 - Change Value  PF3 - Quit  ENTER - Save Changes and Exit
```

Step 2

Enter > D or press <PF5> at the Report Manager Display panel illustrated in Figure 13-1 on page 13-2. The Download Verification screen illustrated in Figure 13-8 is presented.

Figure 13-8
Download Verification screen

```
REPORT MANAGER :  TESTJOB PAQSFILE         Top line is line 1 of 65

                              DOWNLOAD
  +-------------------------------------------------------------------+
  |   You have selected to download via EMAIL.                        |
  |                                                                   |
  |   This selection will create a file and email it directly to:     |
  |      chucksim@nortelnetworks.com                                 ,|
  |   This address (which may include an IP address) can be changed   |
  |   on the Report Configuration Screen. You can get to this screen  |
  |   by pressing PF3 from here, and then pressing PF2-Configure.     |
  |                                                                   |
  |   Printer control codes conversion is  ON                         |
  |   Compressed print mode is  OFF                                   |
  |   Right shifting mode is  OFF                                     |
  |                                                                   |
  |              <PF3 - QUIT>     <ENTER - PROCEED>                   |
  +-------------------------------------------------------------------+


PF1-Help PF2-Configure PF3-Quit PF4-Print PF5-Download PF6-Repeat Search
PF7-Up   PF8-Down   PF9-Scrapbook   PF10-Right/Left   PF11-Cut
```

If <ENTER> is pressed, the reports are sent to the email address or IP address specified.

The following message is presented:

```
File has been sent via EMAIL for immediate delivery.
```

Step 3
Press <ENTER>.

How to download to UNIX/UUCP
To download to UNIX, perform the following:

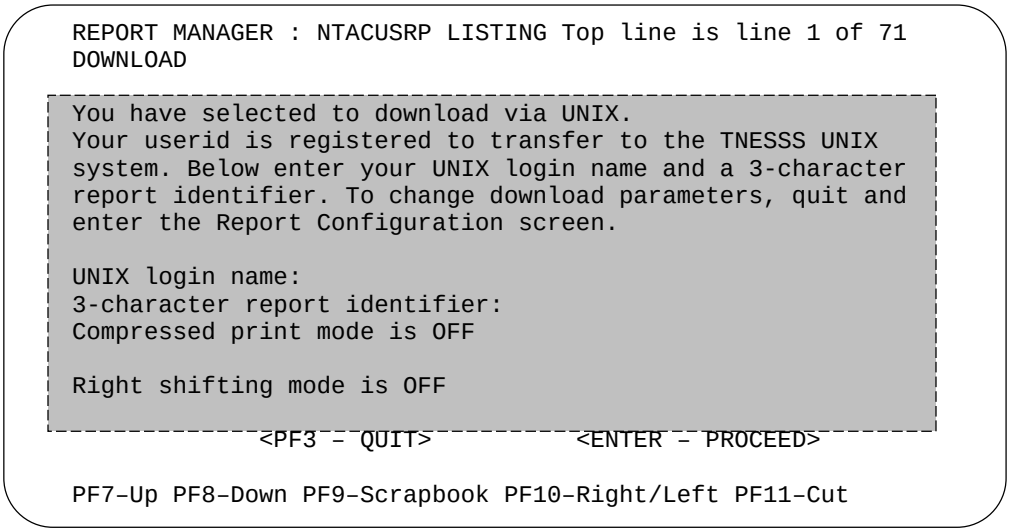
Step 1
Verify that the report parameters are set to UNIX on the Report Configuration menu.

Step 2
Enter > **D** or press <PF5> at the Report Display panel.

Step 3
Press <ENTER>.

The Download File to UNIX panel illustrated in Figure 13-9 is presented.

Figure 13-9
Download Files to UNIX panel



Step 4

Enter the UNIX ID and a three-character report identifier. The UNIX ID is used to send a mail message to your file to verify that the file was received at your local UNIX system. The following message is presented:

```
The 3 character report identifier will be attached to the
PAQS job name when the file is transferred. (If we
download the same job name more than once, previous files
are overwritten.)
```

The customer UNIX system is connected to the Nortel Networks UNIX system, and all reports are sent to the customer UNIX system when the reports are complete. The report is placed in the UNIX to UNIX Copy (UUCP) public directory (unless another directory is specified by the customer) with the report name as specified in Step 2 and the NT-ACCESS job name. When the report is successfully transferred to the UNIX system, mail is sent to the UNIX ID entered previously.

Step 5

Contact the NT-ACCESS coordinator for assistance.

Remember, this menu selection is only available if the UNIX system is registered with the Nortel Networks UNIX system.

Scrapbook

Scrapbook is an electronic storage that is used to extract information from system reports. Specific lines may be extracted from any report available online, eliminating the need to print entire documents.

How to transfer information to the scrapbook

To transfer information from a report to the scrapbook, perform the following steps:

Step 1

Select the required report from the PAQS100 Report menu.

Step 2

Type >**Y** in the RUN column after the report description.

Step 3

Press <ENTER>. The system presents the report.

Step 4

Press <PF11>. The Cut Facility screen illustrated in Figure 13-10 is presented.

Figure 13-10
Cut Facility screen

```
REPORT MANAGER :  TESTJOB PAQSFILE         Top line is line 1 of 66

                    Cut lines from report into Scrapbook
  +-------------------------------------------------------------------+
  |   You have selected the CUT facility.                             |
  |                                                                   |
  |   The line numbers that you specify will be copied from this      |
  |   report into a scrapbook file.  You may put as many lines into   |
  |   the scrapbook file as you like, but remember that once you      |
  |   exit the current report, the information in the scrapbook will  |
  |   be erased.  To view, print, or download the scrapbook, enter    |
  |   the Scrapbook facility via PF9.                                 |
  |                                                                   |
  |   Enter the starting line to put in scrapbook :                   |
  |   Enter the ending line to put in scrapbook   :                   |
  |                                                                   |
  |               <PF3 - QUIT>     <ENTER - PROCEED>                  |
  +-------------------------------------------------------------------+




PF1-Help PF2-Configure PF3-Quit PF4-Print PF5-Download PF6-Repeat Search
PF7-Up   PF8-Down   PF9-Scrapbook   PF10-Right/Left   PF11-Cut
```

Step 5

Type in the number of the starting and ending lines of the report in the fields indicated by the white boxes in Figure 13-11.

Step 6

Press <ENTER> to add the lines to the scrapbook, or press <PF3> to abort the cut operation and return to the report screen.

Step 7

Press <PF9> to return to the scrapbook and view the information.

How to print information in the scrapbook

To print the information stored in the scrapbook file, perform the following steps:

Step 1

Press <PF4> from the report to print the information stored in the scrapbook. A screen similar to the screen illustrated in Figure 13-11 is presented.

Figure 13-11
Scrapbook print option screen

```
REPORT MANAGER :  TESTJOB PAQSFILE         Top line is line 1 of 66

                              PRINTING
  +-------------------------------------------------------------------+
  |   You have selected to print via SIMPC.                           |
  |                                                                   |
  |   Print to a printer attached to a PC running SIMPC.  If you are  |
  |   not running SIMPC, DO NOT use this option.  If you attempt to   |
  |   print while not running SIMPC, you risk placing your terminal   |
  |   in an unrecoverable state.  To change printing parameters,      |
  |   quit and enter the Report Configuration screen.                 |
  |                                                                   |
  |   Printer control codes conversion is  ON                         |
  |   Compressed print mode is  OFF                                   |
  |   Right shifting mode is  OFF                                     |
  |   Printer type is  HP_LASERJET                                    |
  |                                                                   |
  |                <PF3 - QUIT>     <ENTER - PROCEED>                 |
  +-------------------------------------------------------------------+


PF1-Help PF2-Configure PF3-Quit PF4-Print PF5-Download PF6-Repeat Search
PF7-Up   PF8-Down   PF9-Scrapbook   PF10-Right/Left   PF11-Cut
```

Step 2

Press <ENTER>. The system presents the following prompt:

```
*** Please align paper in your printer and then press
return ***
```

The system presents several more printer specific messages. Press <RETURN> after each message. The system returns to the report.

How to exit the scrapbook

To exit the scrapbook without printing, perform the following steps:

Step 1

Press <PF3> to exit the scrapbook. The Scrapbook Warning screen illustrated in Figure 13-12 is presented.

Figure 13-12
Scrapbook Warning screen

```
                              WARNING
+-----------------------------------------------------------------+
|   You still have information in your ScrapBook file.            |
|                                                                 |
|   Do you wish to save the ScrapBook information or have it      |
|   erased?                                                       |
|                                                                 |
|                                                                 |
|                                                                 |
|       <PF3 - KEEP SCRAPBOOK>     <ENTER - ERASE SCRAPBOOK>      |
+-----------------------------------------------------------------+
```

Step 2

Press <PF3> to keep the scrapbook or press <ENTER> to erase the scrapbook.

<PF12> may be pressed in scrapbook to clear the previously pasted information.

Scrapbook PF keys

The Scrapbook PF keys are defined as follows:

- PF1 – Help
  - — invokes the online help facility
- PF2 – Configure
  - — presents the Report Configuration screen
- PF3 – Quit
  - — exits the scrapbook
- PF4 – Print
  - — prints reports as specified by the parameters set at the Report Configuration screen
- PF5 – Download
  - — downloads reports according to parameters set at the Report Configuration screen

- PF6 – Repeat Search
  - repeats the most recent word search
- PF7 – Up
  - scrolls backward one screen
- PF8 – Down
  - scrolls forward one screen
- PF9 – Scrapbook
  - presents information added to the scrapbook
- PF10 – Right/Left
  - toggles between the right and left side of the report
  - 80 columns are displayed at one time
- PF11 – Cut
  - transfers lines of information from a report to the scrapbook
- PF12 – Clear ScrapBook
  - erases information previously pasted in the scrapbook

Report footer

Each page of a report is printed with a footer containing specific job information. The footer is illustrated in Figure 13-13.

Figure 13-13
Report footer with specific job information

```
+------------------------------------------------------------------------------+
|NTI COEO: N/A                                      TEO #: N/A                 |
|JOBNAME : TESTJOB      CLLI : N/A          TELCO AUTH #: N/A                  |
|JOBTYPE : HOST         OPTION:0   BASE:0  TRAFF ORDER #: N/A                  |
|ISSUE: 414  LAST PROV: AUG 08,2003  REL: 414.0  BCS: 36     DDATE : 20031212 |
|RPT DTE: AUG 12,2003 TIME: 16:02:15 ARKIVE: N/A          SHEET      1        |
|Note: This information is property of Nortel Networks and does not           |
|      constitute a commitment for the supply of equipment.                   |
+------------------------------------------------------------------------------+
```

Note: Pricing reports have a different note at the bottom of the footer.

Customer Access Guide

What is the customer access guide?

The customer access guide is a reference that provides detailed procedures for password maintenance, logon, file download, printing, and keyboard and terminal guides.

The following conditions are assumed:

- The SPRINTNET access phone number and the baud rate are known.
- The logon environment is known.
- All necessary software manuals are available.

For any SPRINTNET access problems call the toll-free number: 1-800-877-5045. For SPRINTNET's automated assistance local access number, dial 1-800-473-7983.

Procedures available in this chapter

The following procedures are available in this chapter:

- SPRINTNET access procedure
- PROCOMM Plus logon procedure
- PROCOMM Plus keyboard guide
- PROCOMM logon procedure
- PROCOMM keyboard guide
- SIMPC logon procedure
- SMARTCOM II logon procedure
- SMARTCOM II keyboard guide
- CROSSTALK - XVI logon procedure
- CROSSTALK - XVI keyboard guide
- UNIX logon procedure
- VT220 keyboard guide
- VT220 terminal setup

- VT100 keyboard guide
- VT100 terminal setup

Account password rules

UserID passwords expire 60 days from the date last changed. The passwords can be changed as often as once daily. System security requires adherence to the following password rules:

- Passwords must be six to eight alphanumeric characters long.
- Passwords cannot be the same as the userID.
- Passwords cannot be the same as a recently used password.
- Passwords cannot contain fewer or more characters in the same sequence as an earlier password.
- Month/year password combinations are not allowed.
- Repetition of the same letter or number is not allowed, for example, AAAAAAAA.
- Passwords cannot be a sequence of letters or numbers, for example, ABCDEF or 123456.

Password problems and solutions

Some common password problems and solutions are defined below:

- The password is expired.
  - — Enter a new password at the system prompts.
- The userID is locked due to password violation.
  - — Six invalid password attempts cause the system security to lock the userID.
  - — Contact the regional Nortel Networks NT-ACCESS coordinator immediately.
- The userID is locked due to security violation. Invalid command overrides commonly cause a security violation. Valid command overrides are listed in Chapter 15, “Advanced Commands,” of this document.
  - — Contact the regional NT-ACCESS coordinator immediately and identify that the system message is a security violation.

SPRINTNET access procedure

To access NT-ACCESS using SPRINTNET, perform the following steps:

1 Dial the local SPRINTNET number.

2 SPRINTNET responds with connection baud rate. Enter > **@** and press <RETURN>. SPRINTNET responds with the following prompt:

```
Terminal=
```

3 Enter > **B3** and press <RETURN> or for SIMPC enter > **SIMW** and press <RETURN>. The system displays the following symbol:

```
@
```

4 Enter > **SET 2:0** <RETURN>. The system displays the following symbol:

```
@
```

5 Enter > **SET 10:0** <RETURN>. The system displays the following symbol:

```
@
```

6 Enter the address > **91943** <RETURN> or >031429198365030 <RETURN>. The system presents the following message: `91943 connected` or `031429198365030 connected` if the second address was used.

7 INSCF responds with

```
SUB AREA 80
NTIVMF Nortel Networks INCORPORATED RTP
```

8 For full screen mode, type >**SIM <terminal id>** and press <RETURN>; then go to Step 10. For example:

- To emulate a Digital VT–100, type >**SIM 8** and press <RETURN>.
- To emulate most IBM terminals, type >**SIM 5** and press <RETURN>.
- To emulate SIMPC terminals, type >**SIM 45** and press <RETURN>.

To produce a list of terminal types, type >**SIM ?** and press <RETURN>.

9 For line-by-line mode, perform the following:

a. Press <RETURN>.

b. Type > J <ZZC account> and press <RETURN>.

c. Type your password and press <RETURN>. Steps 10 through 12 are not required for line-by-line mode.

10 The Display Manager screen illustrated in Figure 14-9 on page 14-36 is now presented. Press <PF1> to enter NT-ACCESS.

11 Enter your ZZC userid and password.

Note: If the Nortel Networks logo is not present, then type >L <ZZC account> and press <RETURN>.

12 You have finished the SPRINTNET access procedure.

PROCOMM Plus logon procedure

To log on to NT-ACCESS from the PROCOMM Plus terminal, perform the following steps:

1 Check the local access directory (beginning on page 14-22) to find the appropriate local pulselink number and the appropriate sign-on procedure (A through F beginning on page 14-35).

2 From the PROCOMM Plus terminal screen, hold <ALT> down and press > **D** to access the dialing directory.

3 If an entry is not set up in the dialing directory for pulselink, use the keypad movement keys to put the highlight bar on any available space, and type > **R** to revise that entry. If a pulselink entry exists and is correct, skip to Step 8.

4 Type in an arbitrary name along with the pulselink phone number and the baud rate at which it operates.

5 Set the parity to **EVEN**, databits to **7**, stopbits to **1**, and duplex to **HALF**. Duplex should be **FULL** for sign-on Procedure F.

6 Script remains blank and protocol remains **XMODEM**. Set the terminal to **3270/950**.

7 Enter the information, clear the last date and total, accept the entry, and save to the disk. Revise any entry mistakes.

8 To dial the number, perform the following steps:

   a. Move the highlight bar to that entry and press <ENTER>.

   b. Go to the appropriate sign-on procedure (A through F beginning on page 14-35). The terminal ID is TVI950.

   c. When the sign-on procedure is complete, the Display Manager screen illustrated in Figure 14-9 on page 14-36 is presented. Press <PF1> for NTIVMF.

9 Log on to the ZZC account by entering > **L <ZZC account>**.

10 Enter the password.

PROCOMM Plus keyboard guide

Several changes need to be made in the standard 3270/950 terminal emulation of PROCOMM Plus to ensure access availability for all of the PF keys. To make the changes, perform the following steps:

1 Hold <ALT> down and press <F8> to change the keyboard mapping.

2 Press <SHIFT> <F2> to change the codes for that key.

3 Type > **^Az^M** and press <RETURN>. The ^ key is on the top row of the keyboard, usually a shifted 6.

4 Press <CONTROL> <F4> to change the codes for that key. Type > **^Ax^M** and press <RETURN>.

This command sequence sets up F1 through F10 as PF1 through PF10, <SHIFT> <F1> through <SHIFT> <F10> as PF11 through PF20, and <CONTROL> <F1> through <CONTROL> <F4> as PF21 through PF24.

5 These changes become permanent and need not be made after the dialing directory entry is setup.

Some other definitions may be changed. For instance, the PF keys may be moved to the right of the keyboard like a true IBM 3278 terminal.

To shift the PF keys, perform the following steps:

1 Dial the number after setting the entry in the dialing directory.

2 Log on, then hold <ALT> down and press <F8>.

3 Press the key or combination of keys (for example, <CONTROL> <F2>to be redefined). This process highlights the current (or default) definition for that key.

4 Type in the new definition of that key. The definitions of most keys are listed in the table below. Make sure the key definitions match exactly. (Check the case of the letters). Refer to key equivalents shown in Table 14-1.

Table 14-1
PROCOMM Plus keyboard guide

IBM key	Codes	IBM key	Codes	IBM key	Codes
Tab 1	^A4^M	PA2	^A2^M	PF12	^Az^M
Backtab	^A5^M	PA3	^A3^M	PF13	^A^M
Insert 2	^[Q	PF1	^A@^M	PF14	^Aa^M
Delete	^[W	PF2	^AA^M	PF15	^Ab^M
NewLine	^^M	PF3	^AB^M	PF16	^Ac^M
Clear	^Z^M	PF4	^AC^M	PF17	^Ad^M
Enter	^M	PF5	^AD^M	PF18	^Ae^M
Cursor Up	^K	PF6	^AE^M	PF19	^Af^M
Cursor Dn	^V	PF7	^AF^M	PF20	^Ag^M
Cursor Rt	^L	PF8	^AG^M	PF21	^Ah^M
Cursor Lft	^H	PF9	^AH^M	PF22	^Ai^M
Home	^^^M	PF10	^AI^M	PF23	^Aj^M
PA1	^A1^M	PF11	^AJ^M	PF24	^Ax^M

Note: The set of codes illustrated in Table 14-1 produces a tab and places a four on the screen. This extraneous character is ignored by the system.

The key defined with this set of codes inserts one space in the text when pressed. It must be pressed repeatedly to insert more space.

PROCOMM logon procedure

To log on to NT-ACCESS from the PROCOMM terminal, perform the following steps:

1 Check the local access directory (beginning on page 14-22) to find the appropriate local pulselink number and the appropriate sign-on procedure (A through F beginning on page 14-35).

2 From the PROCOMM terminal screen, hold <ALT> down and press > D to access the dialing directory. If an entry is not setup in the dialing directory for pulselink, press >R to revise and enter any number that does not already have an entry in the dialing directory. If a pulselink entry exists and is correct, skip to Step 5.

3 Type in an arbitrary name along with the pulselink phone number and choose the baud rate that matches the modem baud rate.

4 Set parity to Even, databits to 7, stopbits to 1, and echo on to Y. The command file may be left blank. For sign-on Procedure F, the echo on should be N. Enter all the information and save the entry to the disk. Revise any entry mistakes.

5 Hold <ALT> down and press > S to access the set-up menu.

6 Enter > 2 for the terminal setup.

7 Enter > 1 to change the terminal emulation to VT-100.

8 Press <ESC> to return to the set-up menu.

9 Save the setup to the disk by entering > S. If PROCOMM is used for other systems that do not use VT-100 emulation, do not save the setup. If the setup is saved, it becomes the system default and does not require reentry. If the setup is not saved, verify the setup for each system.

10 To dial the number, perform the following steps:

   a. Enter the number of the dialing directory entry at the dialing directory. Refer to the appropriate sign-on procedure (A through F beginning on page 14-35). The terminal ID is VT100.

   b. When the sign-on procedure is complete, the Display Manager screen illustrated in Figure 14-9 on page 14-36 is presented.

   c. Enter <PF1> for NTIVMF.

   d. Log on to the ZZC account by entering > L <ZZC account>.

   e. Enter the password.

PROCOMM keyboard guide

While running PROCOMM, use the key equivalents illustrated in Table 14-2.

Table 14-2
PROCOMM keyboard guide

IBM key	PROCOMM	IBM key	PROCOMM	IBM key	PROCOMM
TAB	F9 or F10	PA2	<SHIFT> F4	PF6	<SHIFT> F3
Backtab	<SHIFT> F9	PA3	<SHIFT> F6	PF7	F5
Newline	<ESC>	PF1	F1	PF8	F6
Clear	<SHIFT> F10	PF2	F2	PF9	<SHIFT>F5
Home	<HOME>	PF3	<SHIFT> F1	PF10	F7
Erase EOF	<ESC>e	PF4	F3	PF11	F8
PA1	**<SHIFT> F2**	**PF5**	**F4**	**PF12**	**<SHIFT> F7**

Press <ENTER> after any of these keys. To enter the insert mode, hold <CTRL> and enter > **a**, then type any text that is to be inserted, followed by <ENTER>. To delete characters, hold <CTRL>and enter > **b**, once for each character to be deleted followed by <ENTER>.

SIMPC logon procedure

To log on to NT-ACCESS from the SIMPC terminal, perform the following steps:

1 Check the local access directory (beginning on page 14-22) to find the appropriate local pulselink number and the appropriate sign-on procedure (A through F beginning on page 14-35).

2 From the SIMPC terminal screen (press <ESC> or <END> to bypass any opening screens or menus), hold <ALT> down and press > X to access the communications settings screen.

3 Set the CommPort to the correct number for the machine and the baud rate to the correct number for the pulselink phone number. Set parity to EVEN, databits to 7, stopbits to 1, and duplex to HALF. The break milliseconds remain at 500. For sign-on Procedure F, set duplex to FULL. If any of these settings are different, correct them. When all the settings are correct, press <ESC> or <END> to return to the terminal screen.

4 Enter > ATZ at the terminal screen. It appears on the screen as AATTZZ. If the response is not correct, the modem is not connected to the computer properly.

To dial the number, perform the following steps:

1 Enter > **ATDT** followed by the pulselink phone number. It appears as AATTDDTT followed by the number with each digit doubled.

2 Go to the appropriate sign-on procedure (A through F beginning on page 14-43). The terminal ID is SIMPC.

3 When the sign-on procedure is complete, the Display Manager screen illustrated in Figure 14-9 on page 14-36 is presented.

4 Enter <PF1> for NTIVMF.

5 Log on to the ZZC account by entering > **L <ZZC account>**.

6 Enter the password.

Note: The key definitions for the PF keys are detailed in Chapter 4 of the SIMPC manual.

SMARTCOM II logon procedure

To log on to NT-ACCESS from the SMARTCOM II terminal, perform the following steps:

1 Check the local access directory (beginning on page 14-22) to find the appropriate local pulselink number and the appropriate sign-on procedure (A through F beginning on page 14-35).

2 If a communication set for NT-ACCESS is set up, proceed to Step 4. If not, press > **2** from the SMARTCOM II main menu for edit set. Press > **S** to activate a set. The communication directory is presented. Press the letter of any undefined set (one with no name) and press > **P** to modify the parameters of that set.

3 Enter an arbitrary name on the parameters screen, set duplex to **HALF**, the connection type to the proper setting for the pulselink phone number **(Bell 300 or Bell 1200** for 300 or 1200 baud communications, and **CCITT 2400** for 2400 baud) and set show status lines to **NO**. Set the character format to **7 DATA + EVEN + 1 STOP**, the emulator to either **VT102/VT100** or **VT52**, the remote access to **NONE**, and the phone number to the proper number for the area. Include any special dialing prefixes needed for the phone line. For sign-on Procedure F, set duplex to **FULL**. Press > **Y** at the program for record to disk.

4 To dial the number, perform the following steps:

   a. Press > **1** from the SMARTCOM II main menu and press > **O** to originate the call. The communication menu is presented.

   b. Press the letter of the pulselink entry and SMARTCOM II makes the call.

   c. Go to the appropriate sign-on procedure (A through F beginning on page 14-43). The terminal ID is VT100 or VT52, depending on the emulator setting previously entered.

   d. When the sign-on procedure is complete, the Display Manager screen illustrated in Figure 14-9 on page 14-36 is presented.

   e. Press <PF1> for NTIVMF.

5 Log on to the ZZC account by entering > **L <ZZC account>**.

6 Enter the password.

7 The logon screen for NTIVMF is presented in full screen mode.

8 Complete the log on to the ZZC account.

Note: In the parameters screen, use the up and down arrows to move the cursor from one field to another and use the right and left arrow keys to change the value of the field the cursor is on, except for entries that must be typed in.

SMARTCOM II keyboard guide

In SMARTCOM II (VT52 or VT102 /VT100 mode), the four arrow keys are emulated in three different places on the keyboard. Up, down, left, and right is <F7>, <F8>, <F9>, and <F10>, <ALT>9, <ALT>0, ,<ALT>-, and <ALT>= on the top row of the keyboard, or <ALT>8, <ALT>2, <ALT>4, and <ALT>6 on the numeric keypad, and the <BREAK> key is <F6>. To return to the SMARTCOM II main menu during an NT-ACCESS session, press <SCROLL LOCK> and then <F1>.

When emulating a VT102 /VT100, <PF1> through <PF3> are <F1> through <F3> followed by <ENTER>, and <PA1> is <F4> (followed by <ENTER>). The remainder of the PF and PA keys is on the numeric keypad. Use the key equivalents illustrated in Figure 14-1.

Figure 14-1
SMARTCOM II keyboard guide - VT100/VT102 emulation

<table>
<tr><td>7</td><td>8</td><td>9</td><td>*</td><td rowspan="5">BECOMES
</td><td>PF4</td><td>PF5</td><td>PF6</td><td>PA3</td></tr>
<tr><td>4</td><td>5</td><td>6</td><td>-</td><td>PF7</td><td>PF8</td><td>PF9</td><td>PA2</td></tr>
<tr><td>1</td><td>2</td><td>3</td><td rowspan="2">+</td><td>PF10</td><td>PF11</td><td>PF12</td><td></td></tr>
<tr><td colspan="2">0
INSERT</td><td>DE-
LETE</td><td colspan="2">TAB FORWARD</td><td>TAB
BACK
WARD</td><td>CLEAR</td></tr>
</table>

(Remember to press <ENTER> after any of these keys)

When emulating a VT52, <PF1> through <PF4> are <F1> through <F4> followed by <ENTER>. The rest of the PF and PA keys are on the numeric keypad. Refer to the key equivalents in Figure 14-2.

Figure 14-2
SMARTCOM II keyboard guide - VT52 emulation

<table>
<tr><td>7</td><td>8</td><td>9</td><td>*</td><td rowspan="5">BECOMES
</td><td>PF5</td><td>PF6</td><td>PF7</td><td>PF12</td></tr>
<tr><td>4</td><td>5</td><td>6</td><td>-</td><td>PF9</td><td>PF10</td><td>PF11</td><td>PF8</td></tr>
<tr><td>1</td><td>2</td><td>3</td><td rowspan="2">+</td><td>PA1</td><td>PA2</td><td>PA3</td><td></td></tr>
<tr><td colspan="2">0
INSERT</td><td>DE-
LETE</td><td colspan="2">TAB FORWARD</td><td>TAB
BACK
WARD</td><td>CLEAR</td></tr>
</table>

(Remember to press <ENTER> after any of these keys)

CROSSTALK XVI logon procedure

To log on to NT-ACCESS from CROSSTALK XVI, perform the following steps:

1 Check the local access directory (beginning on page 14-22) to find the appropriate local pulselink number and the appropriate sign-on procedure (A through F beginning on page 14-35).

2 If a setup file is available with the proper settings for pulselink, load the file by entering > **LO** and select the proper number (or by entering > **LO** followed by the correct filename). Skip to Step 2. If the setup file is not available, access the CROSSTALK - XVI status screen and enter the following CROSSTALK commands: > **PA E, > DA 7, > ST 1, > DUH**, and > **EM VT-100**. Set the speed by entering > **SP** followed by the modem operating speed. Set the modem connection port by entering > **PO** followed by the correct CommPort number. For sign-on Procedure F, enter > **DU F** for full duplex. Save these settings by entering >**SAVE PULSELINK** (or other arbitrary file name).

3 Verify the settings and enter >**GO LOCAL.** The terminal screen is presented. Enter > **ATZ** at the terminal screen. It appears on the screen as AATTZZ. If the response is not correct, the modem is not connected to the computer properly.

4 To dial in, perform the following steps

a. Enter > **ATDT** followed by the pulselink phone number (it appears as AATTDDTT followed by the number with each digit doubled).

b. Go to the appropriate sign-on procedure (A through F beginning on page 14-43). The terminal ID is VT100.

c. When the sign-on procedure is complete, the Display Manager screen illustrated in Figure 14-9 on page 14-36 is presented.

d. Enter <PF1> for NTIVMF.

5 Log on to the ZZC account by entering > **L <ZZC account>**.

6 Enter the password.

CROSSTALK XVI keyboard guide

The arrow keys are the arrow keys on the keypad, <PF1> through <PF3> are <F1> through <F3> followed by <ENTER> and <PA1> is <F4> followed by <ENTER>. The rest of the PF and PA keys are on the numeric keypad. Refer to the key equivalents in Figure 14-3.

Figure 14-3
CROSSTALK XVI keyboard guide

<table>
<tr><td>7</td><td>8</td><td>9</td><td>*</td><td rowspan="4">BECOMES
  </td><td>PF4</td><td>PF5</td><td>PF6</td><td>PA3</td></tr>
<tr><td>4</td><td>5</td><td>6</td><td>-</td><td>PF7</td><td>PF8</td><td>PF9</td><td>PA2</td></tr>
<tr><td>1</td><td>2</td><td>3</td><td rowspan="2">+</td><td>PF10</td><td>PF11</td><td>PF12</td><td></td></tr>
<tr><td colspan="2">0
INSERT</td><td>DE-
LETE</td><td colspan="2">TAB FORWARD</td><td>TAB
BACK
WARD</td><td>CLEAR</td></tr>
</table>

(Remember to press <ENTER> after any of these keys)

Note: These are numbers and <NUM LOCK> must be engaged or <SHIFT> must be held down to use them.

CROSSTALK Mark 4 logon procedure

To log on to NT-ACCESS from CROSSTALK Mark 4, perform the following steps:

1 Check the local access directory (beginning on page 14-22) to find the appropriate local pulselink number and the appropriate sign-on procedure (A through F beginning on page 14-35).

2 If a setup file is available with the proper settings for pulselink, load the file by holding <ALT> down and typing > **N**, then pressing <PGDN> to the correct selection. Press <ENTER> when the correct selection is accessed. If a setup file is not available for NT-ACCESS, perform the following steps:

   a. Press <ALT> and enter > S to access the session setup screen.

   b. Name the session, for example, NTACC.

   c. Verify that device is Modem, mode is Call, and echo is On.

   d. Keep pressing <ENTER> until the message “Save under what name?” is presented. Be sure to save it under the name assigned at the beginning of the session.

   e. Hold <ALT> down and press > T for terminal setup.

   f. Set the t-mode to VT100 and eight bit to OFF. Again, save it under the name previously assigned.

   g. Hold <ALT> down and press > D for device setup.

   h. Set baud rate equal to the baud rate currently in use.

   i. Set databits to 7, parity to Even, stopbits to 1, and Local to On.

   j. Save the setup under the correct name.

3 Verify the settings are all correct and select the proper session in Step 1. The terminal screen is presented. Enter > **ATZ** at the terminal screen. It appears on the screen as AATTZZ. If the response is not correct or a zero is placed in column one of the current line, then the modem is not connected to the computer properly.

4 To dial in, perform the following steps:

   a. Enter > ATDT followed by the pulselink phone number. It appears as AATTDDTT followed by the number with each digit doubled.

   b. Go to the appropriate sign-on procedure (A through F beginning on page 14-43). The terminal ID is VT100.

   c. When the sign-on procedure is complete, the Display Manager screen illustrated in Figure 14-9 on page 14-36 is presented.

   d. Enter <PF1> for NTIVMF.

5 Log on to the ZZC account by entering > **L <ZZC account>**.

6 Enter the password.

CROSSTALK Mark 4 keyboard guide

The arrow keys are keys on the keypad that have arrows on them. Program function keys <PF1> through <PF3> are the function keys <F1> through <F3>; <PA1> is <F4> followed by <ENTER>. The rest of the PF and PA keys are on the numeric keypad. Refer to the key equivalents in Figure 14-4.

Figure 14-4
CROSSTALK - Mark 4 keyboard guide

<table>
<tr><td>7</td><td>8</td><td>9</td><td>*</td><td rowspan="4">BECOMES
  </td><td>PF4</td><td>PF5</td><td>PF6</td><td>PA3</td></tr>
<tr><td>4</td><td>5</td><td>6</td><td>-</td><td>PF7</td><td>PF8</td><td>PF9</td><td>PA2</td></tr>
<tr><td>1</td><td>2</td><td>3</td><td rowspan="2">+</td><td>PF10</td><td>PF11</td><td>PF12</td><td></td></tr>
<tr><td colspan="2">0
INSERT</td><td>DE-
LETE</td><td colspan="2">TAB FORWARD</td><td>TAB
BACK
WARD</td><td>CLEAR</td></tr>
</table>

(Remember to press <ENTER> after any of these keys)

Note: These are numbers and <NUM LOCK> must be engaged or <SHIFT> must be held down to use them.

UNIX logon procedure

To log on to NT-ACCESS from UNIX, perform the following steps:

1 1 Log on to the UNIX account using the standard logon procedure (assuming a VT100 terminal is used).

2 Check the local access directory (beginning on page 14-22) to find the appropriate local pulselink number and the appropriate sign-on procedure (A through F beginning on page 14-35).

3 To dial in, perform the following steps:

   a. At any system prompt, enter > **CU-S1200** followed by the pulselink number.

   b. Go to the appropriate sign-on procedure (A through F beginning on page 14-43). The terminal ID is VT100 or 8.

   c. From this point on, all entries should appear as they are typed, not doubled. If the entries do not appear at all, the duplex on the modem is set to full instead of half.

   d. When the sign-on procedure is complete, the Display Manager screen illustrated in Figure 14-9 on page 14-36 is presented.

   e. Enter <PF1> for NTIVMF.

4 Log on to the ZZC account by entering > **L <ZZC account>**.

5 Enter the password.

6 The NT-ACCESS environment is presented. If the screen has garbage, log off and log back on, but enter > **?** instead of > **8** at the end of Step 3b and select the proper terminal type, for example, > **VT100**, if the VT100 is used.

   Note: The call up (CU) command stands for call up and has the following generic form: CU(-S speed) (L-line) (-LN) (-T) (-D) (-M) (-O) (-E)(-N) <TELEPHONE NUMBER> | <SYSTEM NAME> | <DIR>. The baud rate specified and the baud rate for the modem must be the same.

VT220 keyboard guide

To reproduce 3270 functions on the DEC VT220 terminal, use the keystrokes illustrated in Table 14-3.

Table 14-3
VT220 keystrokes

3270 function	Keystroke sequence
PA1	KEYPAD 1, <RETURN>
PA2	KEYPAD 2, <RETURN>
PA3	KEYPAD 3, <RETURN>
CLEAR	KEYPAD 2, <RETURN>
TAB FORWARD	<SHIFT> F11, <RETURN>
TAB BACKWARD	<SHIFT> F12, <RETURN>
ERASE EOF	<SHIFT> F10, <RETURN>
NEXT LINE	<ESC>, <RETURN>
INSERT MODE	<SHIFT><F6>, “TEXT-INSERT”, <RETURN>
DELETE CHARACTER	<SHIFT><F9>, <RETURN> (ONE / CHAR)

The VT220 keypad, the PF keys, and the 3270 <TAB> and <CLEAR> functions are illustrated in Figure 14-5.

Figure 14-5
VT220 keypad

<table>
<tr><td>PF1</td><td>PF2</td><td>PF3</td><td>PF4</td></tr>
<tr><td>PF5</td><td>PF6</td><td>PF7</td><td>PF8</td></tr>
<tr><td>PF9</td><td>PF10</td><td>PF11</td><td>PF12</td></tr>
<tr><td>PA1</td><td>PA2</td><td>PA3</td><td rowspan="2">ENTER</td></tr>
<tr><td colspan="2">TAB BACKWARD</td><td>TAB FRWRD</td></tr>
</table>

For <PF13> through <PF24>, reuse <PF1> through <PF12> (<PF1> for <PF13>, <PF2> for <PF14> and so forth through <PF12> for <PF24>).

VT220 terminal setup

The following settings must exist in the VT220 setup:

- General
  - VT220 mode, 7 bit-controls
  - normal cursor keys
  - application keypad
  - user defined keys locked
  - user features locked
  - no new line
- Communications
  - Set the baud rate to match the requirements of the modem or LAN.
  - For a stand-alone modem, set parity to **EVEN**, databits to **7**, and stopbits to **1**.
  - For a modem connected to a network, set the parity, databits, and stopbits to accommodate the network.

VT100 keyboard guide

Use the following keystrokes defined in Table 14-4 to reproduce 3270 functions on the DEC VT100 and VT52 terminals.

Table 14-4
VT100 keystrokes

3270 function	Keystroke sequence
PA1	KEYPAD UPPER-RIGHT KEY, <RETURN>
PA2	KEYPAD-, <RETURN>
PA3	KEYPAD,, <RETURN>
CLEAR	KEYPAD ENTER KEY, <RETURN>
TAB FORWARD	KEYPAD., <RETURN>
TAB BACKWARD	KEYPAD 0, <RETURN>
ERASE EOF	<ESC>, e>
NEXT LINE	<ESC>, <RETURN>
INSERT MODE	<CTRL>a, “TEXT-INSERT”, <RETURN>
DELETE CHARACTER	**<CTRL>b, <RETURN> (ONE / CHAR)**

The VT100/VT52 keypad, the PF keys and the 3270 <TAB> and <CLEAR> functions are shown in Figure 14-6.

Figure 14-6
VT100 keypad

<table>
<tr><td>PF1</td><td>PF2</td><td>PF3</td><td>PA1</td></tr>
<tr><td>PF4</td><td>PF5</td><td>PF6</td><td>PA2</td></tr>
<tr><td>PF7</td><td>PF8</td><td>PF9</td><td>PA3</td></tr>
<tr><td>PF10</td><td>PF11</td><td>PF12</td><td rowspan="2">CLEAR</td></tr>
<tr><td colspan="2">TAB BACKWARD</td><td>TAB FRWRD</td></tr>
</table>

For <PF13> through <PF24>, reuse <PF1> through <PF12> (<PF1> for <PF13>, <PF2> for <PF14> and so forth through <PF12> for <PF24>).

VT100 terminal setup

The VT100 terminal is run in two modes of operation: VT100 (sometimes called ANSI) or VT52 mode. If the VT100 has the advanced video option, the terminal supports highlighting in VT100 mode. This terminal always operates in full-duplex mode. The modem used with the VT100 must be able to echo all the characters back to the terminal. A Hayes compatible Smartmodem provides this echo function when ATF0 is entered.

The VT100 must be adjusted properly before connecting to SIM/VM or SIM/VTAM. The setup mode is entered by pressing the <SETUP> key, followed by the <5> key. Use the right cursor (-->) to move to the desired position and press the <6> key to set the proper mode and baud rates. The VT52 and VT100 modes of operation are set in Figure 14-7 and Figure 14-8.

Figure 14-7
VT52 mode

0101	0000	0100	1010	T SPEED nnnn	R SPEED nnnn

Figure 14-8
VT100 or ANSI mode

0101	0100	0100	1010	T SPEED nnnn	R SPEED nnnn

Local access dial directory

State/City	Pulselink number 1200/2400	Sign–on procedure
Alabama		
205 Birmingham	822-9046	A
Alaska		
Access via SPRINTNET		E
Arizona		
602 Phoenix	256-6237/258-1505	B
Arkansas		
Access via SPRINTNET		E
California		
Los Angeles area		
213 Los Angeles	480-1677/480-1677	A
818 Van Nuys	780-1066/780-5468	A
714 Fullerton	441-2777/441-1839	A
714 Santa Ana	972-9844/972-2314	A
San Francisco area		
415 Downtown	543-8275/543-8275	A
415 Market St	/362-7579	A
415 Oakland	893-9889/893-9889	A
415 Palo Alto	/323-2019	A
408 San Jose	/298-0584	A
San Diego area		
619 San Diego	692-0070	A
619 El Caion	441-6000	A
Colorado		
303 Denver	/629-7954	B

Note: For assistance with SPRINTNET's local access numbers, (using 1200; 2400; 9600; 14,400; or 19,200 baud modem), dial 1–800–473–7983.

Note: For assistance with BellSouth's PULSELINK local access numbers, (using 1200; 2400; 9600; 14,400; or 19,200 baud modem), dial 1–800–662–2726.

—continued—

State/City	Pulselink number 1200/2400	Sign–on procedure
Connecticut		
203 Bridgeport	366-6972/366-6972	C
203 Danbury	743-2906/743-2906	C
203 New Haven	776-1142/776-1142	C
203 Norwalk	866-5305/866-5305	C
203 Stamford	324-9701/324-9701	C
203 Waterbury	597-0064/597-0064	C
Delaware		
Access via SPRINTNET		E
District of Columbia		
202 Midtown	293-4641/785-1688	B
202 Southwest	479-7214	B
202 Lincoln	546-5549	B
202 Dupont	328-0619	B
Florida		
Orlando area		
407 Orlando	422-2426/422-7409	A
Miami area		
407 Boca Raton	392-4801	A
305 Miami	665-0341/661-0437	A
Jacksonville area		
904 Jacksonville	354-0241/354-0241	A
904 St. Augustine	825-1101	A
Georgia		
Atlanta area		
404 Atlanta	261-4633/266-9403	A
912 Savannah	232-5147	A
Hawaii		
Access via SPRINTNET		E

Note: For assistance with SPRINTNET's local access numbers, (using 1200; 2400; 9600; 14,400; or 19,200 baud modem), dial 1–800–473–7983.

Note: For assistance with BellSouth's PULSELINK local access numbers, (using 1200; 2400; 9600; 14,400; or 19,200 baud modem), dial 1–800–662–2726.

—continued—

State/City	Pulselink number 1200/2400	Sign–on procedure
Idaho		
Access via SPRINTNET		E
Illinois		
Chicago area		
312 Chicago	207-8300/207-8300	A
Indiana		
Access via SPRINTNET		E
Iowa		
Access via Pulselink		A
Kansas		
Access via SPRINTNET		E
Kentucky		
Access via SPRINTNET		E
Louisiana		
504 New Orleans	568-0627	A
Maine		
Access via SPRINTNET		E
Maryland		
Washington DC area		
301 Silver Spring	495-9911/495-9911	B
301 Laurel	490-9971/490-9971	B
301 Hyattsville	779-9935/779-9935	B
301 Rockville	340-9903/340-9903	B
301 Bethesda	986-9942/986-9942	B
Massachusetts		
Access via SPRINTNET		E

Note: For assistance with SPRINTNET's local access numbers, (using 1200; 2400; 9600; 14,400; or 19,200 baud modem), dial 1–800–473–7983.

Note: For assistance with BellSouth's PULSELINK local access numbers, (using 1200; 2400; 9600; 14,400; or 19,200 baud modem), dial 1–800–662–2726.

—continued—

State/City	Pulselink number 1200/2400	Sign–on procedure
Michigan		
Access via SPRINTNET		E
Minnesota		
612 Minneapolis	332-0230	A
Mississippi		
Access via SPRINTNET		E
Missouri		
Access via SPRINTNET		E
Montana		
Access via SPRINTNET		E
Nebraska		
Access via SPRINTNET		E
Nevada		
Access via SPRINTNET		E
New Hampshire		
Access via SPRINTNET		E
New Jersey		
Newark area		
201 Englewood	871-3000/871-3000	B
201 Hackensack	343-9200/343-9200	B
201 Journal Square	659-3800/659-3800	B
201 Ridgewood	445-4800/445-0437	B
201 Washington	689-6894/689-6894	B
Delaware Valley area		
609Trenton	396-1232/396-1232	B
609 Mount Holly	267-1800/267-1800	B
609 Pennington	737-3400/737-3400	B

Note: For assistance with SPRINTNET's local access numbers, (using 1200; 2400; 9600; 14,400; or 19,200 baud modem), dial 1–800–473–7983.

Note: For assistance with BellSouth's PULSELINK local access numbers, (using 1200; 2400; 9600; 14,400; or 19,200 baud modem), dial 1–800–662–2726.

—continued—

State/City	Pulselink number 1200/2400	Sign–on procedure
Atlantic City area		
609 Hammonton	567-2999/567-2999	B
609 Manahawkin	597-9444/597-9444	B
609 Somers Point	926-1140/926-1140	B
609 Wildwood	522-8299/522-8299	B
New Mexico		
Access via SPRINTNET		E
New York		
New York City area		
212 Bronx	385-2551/385-2551	C
212 Brooklyn	385-2551/385-2551	C
212 Manhattan	385-2551/385-2551	C
North Carolina		
Charlotte area		
704 Charlotte	377-5608	A
Raleigh area		
919 Raleigh	821-1247/664-8077	A
North Dakota		
Access via SPRINTNET		E
Ohio		
216 Cleveland	781-0181/781-0181	A
419 Toledo	243-0151/243-0151	A
Oklahoma		
Oklahoma City area		
405 Alva	327-1441/327-1441	D
Oregon		
Access via SPRINTNET		E

Note: For assistance with SPRINTNET's local access numbers, (using 1200; 2400; 9600; 14,400; or 19,200 baud modem), dial 1–800–473–7983.

Note: For assistance with BellSouth's PULSELINK local access numbers, (using 1200; 2400; 9600; 14,400; or 19,200 baud modem), dial 1–800–662–2726.

—continued—

State/City	Pulselink number 1200/2400	Sign–on procedure
Pennsylvania		
Philadelphia area		
215 PennyPacker	545-7886	B
215 Philadelphia (Orchard St.)	677-0321	B
Pittsburgh area		
412 Pittsburgh	/261-9732	B
412 Carnegie	276-1882	B
412 McKeesport	673-6200	B
412 Glenshaw	487-6868	B
412 Oakland	687-4131	B
Rhode Island		
Access via SPRINTNET		E
South Carolina		
803 Columbia	254-0007	A
South Dakota		
Access via SPRINTNET		E
Tennessee		
615 Nashville	244-0277	A
Texas		
Access via SPRINTNET		E
Utah		
Access via SPRINTNET		E
Vermont		
Access via SPRINTNET		E

Note: For assistance with SPRINTNET's local access numbers, (using 1200; 2400; 9600; 14,400; or 19,200 baud modem), dial 1–800–473–7983.

Note: For assistance with BellSouth's PULSELINK local access numbers, (using 1200; 2400; 9600; 14,400; or 19,200 baud modem), dial 1–800–662–2726.

—continued—

State/City	Pulselink number 1200/2400	Sign–on procedure
Virginia		
Northern Virginia area		
703 Alexandria	683-6710/683-6710	B
703 Arlington	524-8961/524-8961	B
703 Fairfax	385-1343/385-1343	B
703 Tyson's Corner	848-2941/848-2941	B
Richmond area		
804 Richmond (Downtown)	644-0064	B
804 Richmond (Paterson Ave.)	282-0299/282-0299	B
West Virginia		
304 Charleston	342-3128/342-3128	B
Wisconsin		
608 Madison	258-9112/258-9112	C
Wyoming		
Access via SPRINTNET		E

Note: For assistance with SPRINTNET's local access numbers, (using 1200; 2400; 9600; 14,400; or 19,200 baud modem), dial 1–800–473–7983.

Note: For assistance with BellSouth's PULSELINK local access numbers, (using 1200; 2400; 9600; 14,400; or 19,200 baud modem), dial 1–800–662–2726.

—end—

Network sign-on Procedure A

To sign on to the network using Procedure A, perform the following steps:

1 Dial the local access number.

2 Type > **...** (3 periods), press <RETURN>, and the network responds with a sign-on banner:

```
IBT PSN: 312 207 8300
```

Note: This sign-on banner is determined by the city that is signing on to the network.

3 Type > **SET 2:0**, and press <RETURN>.

4 Type the data network address of the INS computing facility, preceded by the data America gateway address, in the following format and press <RETURN>:
>T(3110) 131429198365030

5 The network responds with a call-connected message:

```
IBT PSN: call connected to 1 3142 919 836 5030 (001)
(i, n, remote charging, packet size: 128)
```

Note: This call-connected message is determined by the city that is signing on to the network.

6 The integrated network system computing facility (INSCF) responds with:

```
SUB AREA 80
```

7 For full screen mode, press <RETURN>, type **SIM**, and press <RETURN>.

Note: The system displays the following message every time that <RETURN> is pressed:

```
COMMAND UNKNOWN
```

8 Enter the appropriate terminal ID or > ? for list. For line-by-line mode press > <RETURN>, type **J userID**, and press <RETURN>, followed by the password.

9 The system responds with the Display Manager screen illustrated in Figure 14-9 on page 14-44, and appropriate prompts for entering the application along with the ID and password.

Figure 14-9
Display Manager screen

```
                WELCOME TO
         Nortel Networks INC - RTP                    SIM3278 Applid   SIM80

                                                   Real Terminal name   T46XPOE

        Enter Application Name ==>
                     Logon Data ==>
                   Session Name ==> SESS1
  Virtual Terminal or POOL Name ==>
                      Password ==>


     PF1     ==>     NTIVMF       VMF - Nortel Networks - ACCESS - VM/CMS

     PF2     ==>     NTIVMR       VMR - CUSTOMER ACCESS - VM/CMS

     PF3     ==>     CICS45P      NTIMVSR   - CUSTOMER SERVICE

     PF4     ==>     COCOS        NTIVM     - ANN ARBOR VM

     PF5     ==>     COCOSB       NTIVMB    - ANN ARBOR VM

     PF6     ==>     TS045        NTJMUSR   - TS0/E

     PF7     ==>     NTIVMX       VMX       - VM/CMS

     PF8     ==>     CICS45D      NTIMVSR   - DEVL CICS

     PF9     ==>     CICS45T      NTIMVSR   - TEST CICS

     PF10    ==>     CICS45G      NTIMVSR   - G/L CICS

     PF11    ==>     NTIVMY       VMY       - VM/CMS

     PF12    ==>     LOGOFF       LOGOFF SIM3278/VTAM
```

Note: If call user data is required during network sign on, enter > **,(comma)** immediately following the data network address and enter the required user data as shown in the following example:

> **T(3110) 131454159782701,99**

Network sign-on Procedure B

To sign on to the network using Procedure B, perform the following steps:

1 Dial the local access number.

2 Type > **...** (3 periods), press <RETURN>, and the network responds with a sign-on banner:

```
Welcome to Digipac
```

Note: This sign-on banner is determined by the city that is signing on to the network.

3 Type > **SET 2:0**, and press <RETURN>.

4 Type the data network address of the INS computing facility, preceded by the data America gateway address, in the following format and press <RETURN>:

Note: > **T3110-131429198365030**

5 The network responds with the date and time, an echo of the data network address (DNA) entered, and a COM message:

```
01-JAN-90 13:55
131429198365030
COM
```

Note: This COM message is determined by the city that is signing on to the network.

6 INSCF responds with:

```
SUB AREA 80 NTIVMF
NORTHERN TELECOM INCORPORATED RTP
```

7 For full screen mode, press <RETURN>, type **SIM**, and press <RETURN>.

Note: The system displays the following message every time that <RETURN> is pressed:

```
COMMAND UNKNOWN
```

8 Enter the appropriate terminal ID or > ? for list. For line-by-line mode press <RETURN>, type **J userID**, and press <RETURN>, followed by the password.

9 The system responds with the Display Manager screen illustrated in Figure 14-9 on page 14-44, and appropriate prompts for entering the application being accessed along with the ID and password.

Note: If call user data is required during network sign on, enter > **D** immediately following the data network address, then enter the required user data as shown in the following example:

>T3110-131429198365030 D99

Network sign-on Procedure C

To sign on to the network using Procedure C, perform the following steps:

1 Dial the local access number.

2 Type > **HHH**, press <RETURN>, and the network responds with a sign-on banner:

```
Welcome to Infopath Packet Switching Network
```

Note: This sign-on banner is determined by the city that is signing on to the network. The **HHH** must be in capital letters.

3 Type the data network address of the INS computing facility preceded by the data America gateway address in the following format:
> T3110-131429198365030
Press <RETURN>.

Note: In Connecticut use the following format:

> T3110-031429198365030
Press <RETURN>

4 The network responds with a the date and time and a COM message:

```
01-JAN-90 13:55
COM
```

Note: This COM message is determined by the city that is signing on to the network.

5 INSCF responds with:

```
SUB AREA 80
NTIVMF Nortel Networks INCORPORATED RTP
```

6 For full screen mode, press <RETURN>, type **SIM**, and press <RETURN>.

Note: The system displays the following message every time that <RETURN> is pressed:

```
COMMAND UNKNOWN
```

7 Enter the appropriate terminal ID or > ? for list. For line-by-line mode press <RETURN>, type **J userID**, and press <RETURN>, followed by the password.

8 The system responds with the Display Manager screen illustrated in Figure 14-9 on page 14-44, and appropriate prompts for entering the application along with the ID and password.

Note: If call user data is required during network sign on, enter > **D** immediately following the data network address, then enter the required user data as shown in the following example:

> T3110-131429198365030 D99

Network sign-on Procedure D

To sign on to the network using Procedure D, perform the following steps:

1. Dial the local access number.
2 Wait for the please enter the terminal identifier prompt. This prompt may be garbled and unintelligible because the network is trying to find the proper baud rate.
3 Type > **A**, and press <RETURN> and the network responds with a port number and a login prompt:

```
-2352-005       or       -2352-005
Please log in:           User name:
```

4 Type the data network address of the INS computing facility preceded by the data America gateway address in the following format:
> T3110;31429198365030
Press <RETURN>.
5 The network responds with a call connected message:

```
DATA AMERICA: CALL CONNECTED
```

6 INSCF responds with

```
SUB AREA 80
NTIVMF Nortel Networks INCORPORATED RTP
```

7 For full screen mode, press <RETURN>, type **SIM**, and press <RETURN>.

Note: The system displays the following message every time that <RETURN> is pressed:

```
COMMAND UNKNOWN
```

8 Enter the appropriate terminal ID or >? for list. For line-by-line mode press <RETURN>, type **J userID**, and press <RETURN>, followed by the password.
9 The system responds with the Display Manager screen illustrated in Figure 14-9 on page 14-44, and appropriate prompts for entering the application along with the ID and password.

Note: If call user data is required during network sign on, enter > **:** immediately following the data network address, then enter the required user data as shown in the following example:

> T3110;31429198365030:99

Network sign-on Procedure E

To sign on to the network using Procedure E, perform the following steps:

1 Dial the SPRINTNET local access number.

2 Press <RETURN>, press <RETURN> again, and the network responds with

```
Terminal =
```

3 Type > **B3**, press <RETURN>, and the network responds with
@

4 Type > **SET 2:0** and press <RETURN>.

5 Type > **SET 10:0** and press <RETURN>.

6 Type the data network address of the INS computing facility in one of the following formats and press <RETURN>:
> 031429198365030

OR

>91943

7 The network responds with a call connected message such as:

```
3142 9198365030 CONNECTED
```

8 INSCF responds with:

```
SUB AREA 80
NTIVMF Nortel Networks INCORPORATED RTP
```

9 For full screen mode, press <RETURN>, type **SIM** and press <RETURN>.

Note: The system displays the following message every time that <RETURN> is pressed:

```
COMMAND UNKNOWN
```

10 Enter the appropriate terminal ID or > ? for list. Examples of terminalIDs include:

>5
(emulates most IBM terminals)

>8
(emulates Digital VT-100 terminals)

>45
(emulates SIMPC terminals)

OR

For line-by-line mode press <RETURN>, type **J userID**, and press <RETURN>, followed by the password.

The system displays the Display Manager screen illustrated in Figure 14-9 on page 14-44, and appropriate prompts for entering the application along with the ID and password.

Note: If call user data is required during network sign on, enter > **,** (comma) immediately following the data network address, then enter the required user data as shown in the following example:

T(3110) 131454159782701,99

Advanced Commands

What are advanced commands?

NT-ACCESS is used as either a menu or command-driven system. The experienced user enters commands on the command line or at the *READY* prompt in the DMS-100F Provisioning System (PAQS100) and saves time by avoiding screen painting.

To enter the command-driven system, press <PF4> from the PAQS100 main menu. After the system responds with the word READY, any of the commands listed below can be executed. The definition of each command is listed in the following pages along with its application and an example.

ANALYSIS

The > **ANALYSIS** command views the Analysis Report.

Application

This command eliminates two menu-driven steps. Type this command on the command line and the Analysis Report is generated and displayed online.

Example

====> ANALYSIS

Backslash key (/)

The backslash key locates a specific question ID or PEC. This key allows rapid movement through the questionnaire and equipment list.

Application

The backslash is used in the questionnaire editor (EDITEQ) and equipment editor (EDITQS) functions in PAQS100 to locate a specific PEC, PEC qualifier, or question ID. It works under the same concept as > **GOTO**.

Example

====>/2A15

====> /NT3X72

CHNGANSW

The > **CHNGANSW** command captures the deltas between an option and the base job in a file.

Application

To use this command, type > **CHNGANSW <create a file name> 1** on the PAQS100 command line. The notation <create a file name> represents a file name that must be given to the update and 1 represents the option number. This file name can be any combination of characters up to eight characters in length. The file is stored in Job Maintenance with a file type of APPENDX.

Example

====> CHNGANSW ADDLCE04 1

This command creates a file, ADDLCE04 APPENDX, which contains the delta equipment and questionnaire answers that are required to add LCE 04 to an office. This file is stored in Job Maintenance where it can be accessed and sent to a downstream userID. The data contained in this file is set up as an option and can be merged with the base job prior to > **LOCK FINAL**.

DELETE OPTIONS

The > **DELETE OPTIONS** command deletes the equipment, level B quantities, questionnaire answers, or all three for an option.

Application

This command is typed on the command line to delete an option from a job. There are two choices in deleting options. The first method is to delete only the equipment and level B variables but leave the question answers. This choice maintains the capability to regenerate the equipment for the option by rerunning provisioning. The second method for deleting an option is to delete not only the equipment and level B variables but also the questionnaire answers.

Examples

====> Del Opt 1

This command deletes the equipment and level B quantities for option number (1 through 99). This command is typed on the command line to delete an

option from a job. By only deleting the equipment and level B variables but leaving the question answers, the equipment is regenerated for the option by rerunning provisioning.

====> Del Opt 2 Q

This command deletes the equipment and level B quantities *and* the questionnaire answers for option 2. This command is typed on the command line to delete an option from a job including the question answers. This command permanently removes the option from a job.

DEMASK

The > **DEMASK** command creates a mask from an existing job. This mask can be applied to another job.

Application

To use this command, type > **DEMASK** (space) **<filename>** on the command line. A file is created with the filename that the user specified and a file type of QSMASK.

The mask that is created from this process is stored in Job Maintenance under current jobs. The mask can be applied to another job, sent to another userID, or erased from the database.

Example

====> DEMASK <filename>

DISPLAY

The > **DISPLAY** command allows viewing the contents of the database, such as equipment quantities, questionnaire answers, level B variables, and CA cross references.

Application

This command is useful in verifying or inspecting the status of a job before generating reports.

Examples

====> D EE NT3X67AA

This command displays all references to a particular product equipment code (PEC) and is useful when searching for a PEC qualifier.

====> D EQ NT3X67AA Z

This command displays all references to a particular PEC with quantities greater than zero.

====> D CA NT2X72AA:TMB0

This command displays all equipment that is associated with a particular PEC qualifier.

====> D QQ 2A1

This sequence displays question number 2A1 without going to EDITQS (PAQS100 main menu item 3).

====> D QQ 2A1 for 100

This command displays up to 100 questions, beginning with question 2A1 in the example above. Any number up to 100 can be used with this command. If the mask is turned on prior to issuing this command, the next 100 viewable questions are displayed.

====> D OPT <number>

This command displays all equipment provisioned for the selected option. This report provides deltas in the equipment, making the report especially useful with options.

====> D SW NTX048AA

The system responds with the following message:

Feature package NTX048AA synchronization needs packages:
NTX000AA Bilge
NTX001AA Common Basic

This command allows quick software interdependency checking.

FILE

The > **FILE** command exits the PAQS environment and saves all updates made during the session.

Application

This command saves all changes made to a job and is the most direct route for exiting the DMS-100F Provisioning System and returning to the main menu. <PF5> performs the same function.

Example

====> FILE

FSENV

The > **FSENV** command presents the full screen main menu.

Application

This command is used to return to the menu mode if operating in the command-driven mode.

Example

READY;

FSENV

(PAQS100 Main Menu is painted)

FSEQ

The > **FSEQ** command presents the equipment list. This list is sorted by QZ.

Application

This command is used to enter the equipment list from the command line or from the command-driven environment (eliminates entering EDITEQ, PAQS100 menu item 7).

Example

====> FSEQ

or

READY;

FSEQ

FSIQ

The > **FSIQ** command presents the full screen questionnaire.

Application

This command is used to enter the questionnaire from the command line or from the command-driven environment (eliminates entering EDITQS, PAQS100 menu item 3). The first question to appear is the last question that was viewed in the last session.

Example

====> FSIQ

or

READY;

FSIQ

FSIQ Q#

The > **FSIQ Q#** command, where Q# is a question number, presents that question in the PAQS100 questionnaire.

Application

This command directly presents the question number that was specified when the command was issued. If a mask that did not include this question was applied and is turned on when this command is issued, the next available question is displayed.

Example

====> FSIQ 5A

FSNOTES

The > **FSNOTES** command accesses the questionnaire notes or equipment notes from the command line and the command-driven environment.

Application

The > **FSNOTES** command is used on the command line or in the command-driven mode to display notes that were entered by the user. The notes can be edited as required.

Examples

====> FSNOTES Q

This command displays the questionnaire notes. Editing is done as required.

====> FSNOTES E

This command displays the equipment notes. Editing is done as required.

FSREPORT

The >**FSREPORT** command accesses the report menu from the command line and the command-driven environment.

Application

The command is used on the command line or in the command-driven mode to enter the report menu. When executed, it displays the menu with all the reports that can be run (same as selecting REPORT, PAQS100 menu item 8).

Example

====> FSREPORT

or
READY;

FSREPORT

GOTO

The > **GOTO** command allows movement through the questionnaire and equipment list more quickly by specifying a question ID or PEC.

Application

When this command is issued, the question number or equipment PEC that was specified is presented. This command works under the same concept as the back-slash (/) key.

Example

====> GOTO 2A15

====> GOTO NT3X72

GOTO table:row

The > **GOTO** command specifying the question ID followed by a colon and row number presents a particular row in a table.

Application

Locating a specific row in a large table such as Table 2A15 is accomplished using >**GOTO <table>:<row>**, rather than paging down to that row using <PF8>.

Example

====> GOTO 2A15:100

(takes the user to row 100 of table 2A15)

HELP <command name>

The > **HELP <command name>** command provides online documentation for the system commands.

Application

Online documentation is viewed for commands that seem confusing. To receive help, the name of the command must be known. This command is issued from the command line in PAQS100 or at the *READY* prompt in the command-driven environment.

Example

====> HELP DEMASK

or

READY;

HELP DEMASK

HM (Halt Macro)

The > **HM** command stops execution of provisioning or of reports.

Application

If a long report or some other lengthy function is running and cannot be completed, type > **HM** and press <ENTER> to halt the execution of the report or function.

Example

If provisioning is running and it is time to leave for a meeting, utilize the > **HM** command as illustrated in Figure 15-1.

Figure 15-1
Provisioning message screen – HM

```
   *INFO* Running provisioning rules for TEST      Option 0
          AUG 13,2003                             08:44:55

   *INFO* Running CM:   OFFICE OVERVIEW ...
          Running PSM:  INIT

   ************************************************************
   *WARN* If adding remarketed equipment, question 1A41 must be
          answered Y, and the equipment must be listed in a note
          to flag Pricing and EAE 1005 spec.
   ************************************************************

   *WARN* QID 1A1.15.1 (If this is not a Nortel Direct order,
          do you require models to be provided?) has not been
          set to "YES".  Please re-enter the questionnaire,
          change the answer to YES, and re-provision the job.


   *WARN* Question 13A13.1 must be answered to specify whether
          office will require Half-Tapping or Superimposed DF
          connections.


   HM <enter>
                                                 RUNNING   NTIVMF
```

HT (Halt Type)

The > **HT** command stops the display of messages; however, execution continues until complete.

Application

This command is most useful when running provisioning online. Issuing the > **HT** command eliminates the provisioning messages from the screen and increases the speed of provisioning. > **HT** is also used to halt the type on reports.

Example

To run provisioning and capture the messages in a report but not display the messages online, utilize the > **HT** command as illustrated in Figure 15-2.

Figure 15-2
Provisioning message screen – HT

```
*INFO* Running provisioning rules for TEST      Option 0
       AUG 13,2003                              08:44:55

*INFO* Running CM:   OFFICE OVERVIEW ...
       Running PSM:  INIT

************************************************************
*WARN* If adding remarketed equipment, question 1A41 must be
       answered Y, and the equipment must be listed in a note
       to flag Pricing and EAE 1005 spec.
************************************************************

*WARN* QID 1A1.15.1 (If this is not a Nortel Direct order,
       do you require models to be provided?) has not been
       set to "YES".  Please re-enter the questionnaire,
       change the answer to YES, and re-provision the job.

HT <enter>
                                              RUNNING   NTIVMF
```

LOCK

The > **LOCK** command imposes job issue control on the equipment quantities.

Application

This command is used to place a date and time stamp on work that was completed by each engineer on an order. When the traffic engineer completes work on a job and is ready to transfer the job to the equipment engineer, > **LOCK** is issued on the command line to create an issue of the job that represents the traffic engineer only.

Example

====> LOCK

LOCK FINAL

The > **LOCK FINAL** command identifies to PAQS that the job is ready for POSTCI. Options must not be present and provisioning must not be pending.

Application

Caution is suggested in using this command. This command is used to place an order in the change order mode, also referred to as the POSTCI environment. When > **LOCK FINAL** is issued, the changes made to a job are reported as deltas.

Note: Once a job is placed in Post CI, it *cannot* revert back to CI mode.

Example

====> LOCK FINAL

MASKQS

The command >**MASKQS** applies a specified mask to the questionnaire.

Application

The > **MASKQS** command allows a mask to be applied from the command line. This command is helpful because it eliminates painting two menu screens. Note, however, that the change flag default is yes. If a job already has a mask applied and another mask is required, the answers to questions are changed based on the new mask applied through this command unless the word > **NOCHANGE** is added after the command > **MASKQS** to specify no for the change flag. > **NOCHANGE** retains the answers applied by the original mask and allows changes only to questions that were not previously answered by application of a mask.

Example

====> MASKQS TRNHST18 (Change flag default = Y)

====> MASKQS TRNHST18 NOCHANGE (Change Flag = n)

MERGE OPT

The > **MERGE OPT #** command merges data from an option into the base option.

Application

If a number of options are created on a job and an option is to be added to the base order, the > **MERGE OPT #** command is used. This command merges the question answers from the option into the base (overrides existing answers/quantities). Provisioning is then run against the job to obtain reports that include the base and any merged options.

Example

====> MERGE OPT 3

MESUM

The > **MESUM** command generates an equipment list containing only the equipment added in the base or selected option.

Application

The > **MESUM** command generates the MESUM report without going in the report menu (REPORT, PAQS100 menu item 8). The report is viewable online only.

Examples

====> MESUM

This command displays the equipment summary report for the base option.

====> MESUM 1

This command displays the equipment summary report for option 1 only.

MOVEANS

The > **MOVEANS** command moves the proposed answers to the existing answer fields.

Application

The > **MOVEANS** command is issued to prepare a job for the next extension. The > **PREPARE** function in Job Maintenance executes this command and another command called > **MOVEEQ** (see below) to set up automatically a new job with the correct existing questionnaire answers and equipment quantities.

Example

====> MOVEANS

MOVEEQ

The > **MOVEEQ** command moves the Nortel Networks add equipment to the existing equipment field in EDITEQ.

Application

The > **MOVEEQ** command is issued to prepare a job for the next extension. The prepare function in Job Maintenance executes this command and another command called > **MOVEANS** (see above) to automatically set up a new job with the correct existing equipment quantities and questionnaire answers.

Example

====> MOVEEQ

MSGSRPT

The > **MSGSRPT** command displays the messages that were generated during provisioning.

Application

This command is most useful if the command > **HT** was executed while provisioning was running online. The > **HT** command increases the speed of provisioning but does not allow messages to be viewed online. When provisioning is complete, execute the command > **MSGSRPT** to view the messages that were suppressed from view.

Example

====> MSGSRPT

Percent symbol(%)

The percent symbol deletes an entry from a specific column and row in a table. If the entry is more than one digit, use the space bar to delete additional characters in the field.

Application

This command is the only way to delete just one cell in a row or column. Complete rows are deleted with <PF9>.

Example

FIELD = 120

To delete, place the cursor to the left of the 2, press %, and space over the 20 using the space bar, then press <ENTER>.

PRNOTES

The > **PRNOTES** command displays provisioning notes for the base or specified option.

Application

The > **PRNOTES** command displays provisioning notes for a job without going to the report menu of PAQS100.

Example

PRNOTES 1

This command displays provisioning notes for option 1.

PROVISION

The > **PROVISION** command executes provisioning rules for the base option.

Application

The > **PROVISION** command is issued from the command line or in the command-driven mode to invoke provisioning. This command executes provisioning for the current option only.

Example

====> PROVISION

PROVISION ALL

The > **PROVISION ALL** command executes provisioning rules for the base and all other options.

Application

The > **PROVISION ALL** command is issued from the command line or in the command-driven mode to invoke provisioning. This command executes provisioning for the base and all other options.

Example

====> PROVISION ALL

QUERY

The > **QUERY** command views the setting of various system parameters.

Application

The > **QUERY** command is useful when trying to query the system for pending provisioning or mask names that were previously applied to a job.

Examples

====> Q MASKNAME

Lists all masks applied to a job and the date they were applied. This command is a shortcut for determining which masks are applied to a job. The same task is completed by going to the ADMIN screen and executing <PF6>, EXPAND, on the MASK field. Executing this command from the command line prevents painting two screens.

====> Q OPTSTAT

The > **Q OPTSTAT** command provides the status of options in an office and reveals if provisioning is pending.

REFRMAT

The > **REFRMAT** command upgrades an existing database between releases or questionnaire issues.

Application

The > **REFRMAT** command is used to logically reformat a job to include the new provisioning rules from an upgraded release of NT-ACCESS. A physical reformat is automatically done to each job when accessing it for the first time after a new release. The physical reformat does not
Affect provisioning rules. Old jobs that are used for new extensions should always be reformatted to include the latest provisioning rules. > **REFRMAT** is also executed through Job Maintenance (which includes both the physical and logical reformat).

Example

====> REFRMAT

RT (Return Type)

The > RT command returns messages and reports to the screen if > **HT** was executed to stop online viewing.

Application

The > **RT** command returns the online messages to the screen for viewing during provisioning or reports. It is probably most useful in determining where the process is and how long it will take to complete.

Example

If provisioning is running, > **HT** was previously invoked, and now messages painted to the screen are desired, use the > **RT** command as illustrated in Figure 15-3.

Figure 15-3
Provisioning message screen – RT

```
*INFO* Running provisioning rules for TEST      Option 0
       AUG 13,2003                              08:44:55

*INFO* Running CM:   OFFICE OVERVIEW ...
       Running PSM:  INIT

HT <enter>
.
.
.
RT <enter>
       Running PSM:  CNTRL
*INFO* A minimum of 2 IOMs are required per office.
       2 IOMs will be provided.

       Running MEM:  MODEM
       Running MEM:  BD
       Running MEM:  CNTRL
*INFO* Running CM:   MAINTENANCE TESTING ...
       Running PSM:  MTCE
*INFO* The SDM FT requires Workstations and Modems which are

                                              RUNNING   NTIVMF
```

SAVE

The > **SAVE** command saves information during an input session. This command is used in conjunction with the autosave feature in PAQS100.

Application

The > **SAVE** command is typed on any command line (including command lines in menus) and immediately saves all information that was processed. > **SAVE** is usually used while in the questionnaire or when editing the equipment list. A good time to use this command is after completing inputs to a table.

Example

====> SAVE

SET

The > **SET** command allows system parameters to be altered.

Application

The > **SET** command is used for several different applications.

Examples

====> SET BASEOPT 1

> **SET BASEOPT 1** specifies that the option in effect is based on something other than zero. This is used for growth "what-if" scenarios, where each option is based on the preceding option instead of option 0.

====> SET OPT 1
> **SET OPT 1** notifies the system that an option is to be created for the job. The first option that must be set is Option 0 (base), then additional options are set. Once again, options are particularly useful for generating "what-if" scenarios because the reports are generated with only deltas displayed.

====> SET JOBTYPE
> **SET JOBTYPE** is only used when a new job is being created and no job data exists. The choices for this command are host, remote NAV, or DNC. By answering with one of these parameters, the system decides what type of questionnaire and provisioning rules should be used.

====> SET AUTOSAVE #
> **SET AUTOSAVE #** is issued from the command line, as shown above, or from inside the ADMIN menu. This requires selecting menu item 1, ADMIN, from the PAQS100 main menu (painting the ADMIN screen), setting the automatic saving process (AUTOSAVE) value, and leaving ADMIN (painting the original screen again). Setting the AUTOSAVE value from the command line eliminates painting two screens. The number indicated with AUTOSAVE determines the number of times the user enters information and presses <ENTER> before AUTOSAVE is executed. For example, entering > **SET AUTOSAVE 15** on the command line causes the system to save input after every 15 entries.

> **SET VIEW OFF** command is used to turn off all questions in option 0 in a PAQS100 job before applying a mask for an extension. After the questions are turned off, a mask can be applied and only those questions with the display flag turned on are viewed.

====> SET VIEW OFF
This command only affects option 0.

S String

The >**S** command is used within the full screen questionnaire environment (FSIQ). It is used to search for a specified word or group of words within the questionnaire.

Application

This command is useful in locating questions that contain specific words or phrases. it is also useful in locating new questions that pertain to new products.

Examples

====> S ACMS

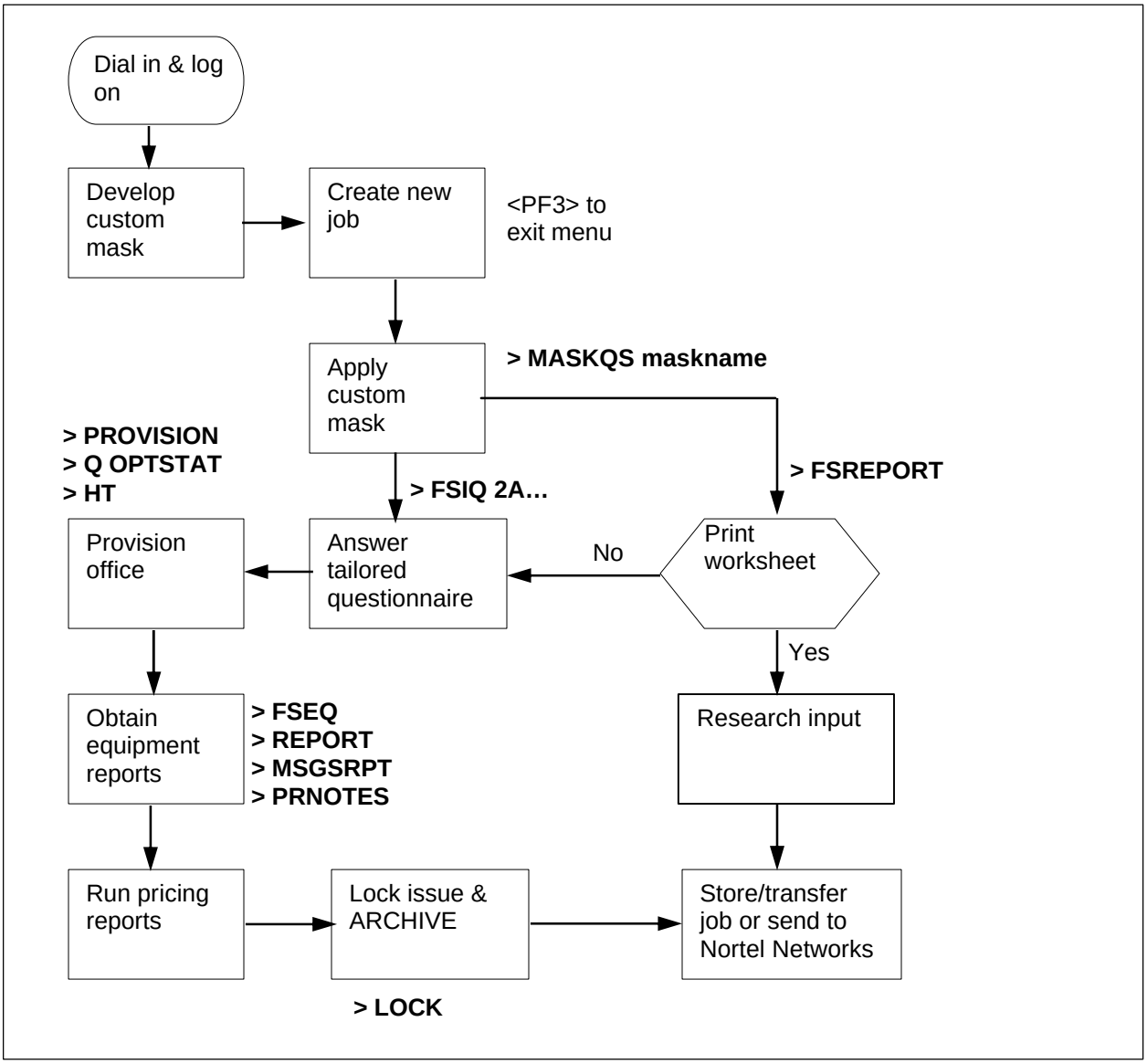
> **S ACMS** will find the next occurrence of “ACMS” in the questionnaire relative to the current question number.

====> S
> **S** will again find the string specified in a previous search.

How to use advance commands

Advance commands make job processing more efficient. Remember that advance commands are invoked from the command line and eliminate a portion of the screen painting that is required in the menu-driven system. Figure 15-4 illustrates how advanced commands create an initial office in NT-ACCESS. The advance commands are shown in bold type.

Figure 15-4
Initial office using advance commands



OM Cross Reference

What is the OM cross reference?

The operational measurement (OM) cross reference is a cross reference between the 8630 host office questionnaire and the operational measurements.

DMS operator equipment

Question		Operational Measurement (OM)
3A10	TAWT (Col 5)	TOPSUSE_WORKVOL/TOPSOCPS_IPS
3A10	TRAF (Col 6)	TOPSUSE_POSOCC
3A45.1	CALLS (Col 4)	TOPSRON_RONATT

Meridian Digital Centex

Question		Operational Measurement (OM)
5A7.9.13		IBNGRP_SRGACMPL
5A65.2	6-PORT CKT QTY (Col 4)	(CF6P_CF6TRU*100/CF6P_CF6SZRS)/60
5A25.4		TRK_TRU*100=%
5A25.5		(TRK_NATTMPTS/TRK_INCTOT) + (TRK_NATTMPTS–TRK_NOVFLATB)
5A25.6		(TRK_TRU*100/TRK_INCATOT) + (TRK_NATTMPTS–TRK_NOVFLATB)

Trunks

Question		Operational Measurement (OM)
6A1.5	% IC(Col 5)	TRK_INCATOT/TRK_INCATOT + TRK_NATTMPT*100=%
6A1.5	TRAF (Col 7)	TRK_TRU/# OF TRUNKS
6A1.5	HOLD (Col 10)	TRK_TRU*100/TRK_INCATOT + (TRK_NATTMPT–TRK_NOVFLATB)
6A5.3		TRK_TRU*100/TRK_INCATOT + (TRK_NATTMPT–TRK_NOVFLATB)
6A5.4		TRK_INCATOT
6A5.5		TRK_INCATOT
6A5.9.1		TRK_TRU
6A5.9.4	IF MF receivers IF UTR/GTR	RCVR_RTU*100/RCVR_SZRS UTR_UTRTRU*100/UTR_UTRSZRS
6A5.10.1		TRK_TRU
6A5.10.2		TRK_NATTMPTS/TRK_INCA TOT + (TRK_NATTMPTS–TRK_NOVFLATB)
6A5.10.5	IF MF receivers IF UTR/GTR	RCVR_TRU*100/RCVR_SZRS (MF UTR_UTRTRU*100/UTR_UTRSZRS
6A5.11.1		TRK_TRU
6A1.6	CCS/LINE (COL 3)	TRK_TRU/# OF TRUNKS

Lines

Question	Operational Measurement (OM)
5A3.6	LMD_NORIGATT/LMD_NORIGATT+LMD_NTERMATT
5A3.7	OFZ_ORIGTRM/OFZ_NORIG
5A3.11	LMD_LMTRU*100/LMD_NORIGATT+LMD_NTERMAT T
5A3.12	OFZ_ORIGLKT+OFZ_ORIGABDN+LMD_ORIGFAIL/O FZ_NORIG
5A3.15	RCVR_RCVTRU*100/RCVR_RCVSZRS

—continued—

Lines (continued)

Question	Operational Measurement (OM)
5A7.10.7	RT1ME1A–RT1LATT/# OF ISDN–BRI LINES
5A7.10.10	RT1ME1A–RT1LATT/# OF ISDN–PRI LINES
6A7.3	TRK_INCATOT/# OF TRUNKS
—end—	

Input/Output (I/O and office communication)

Question	Operational Measurement (OM)
4A5.2	AMA_AMAENT
4A5.4	EXT_BC_RECORDING_UNIT

Service and miscellaneous equipment

Question		Operational Measurement (OM)
5A65.1	TRAFF (Col 3)	STN_STNTRU
5A22.2	TRAFF (Col 5)	3 way calling) TWCPOTS_TWCPATT (Call Waiting) CWTPOTS_CWTPATT
5A30.42	TRAFF (Col 11)	(3 way calling) TWCIBN_TWCATT (CALL TRANSFER) IBNGRP_CXFR
6A75.1	TRAF (Col 8)	ANN_ANNTRU
6A50.24.1		SVCT_SVCTRU/10

List of terms and abbreviations

ADMIN

Administration function full screen command that represents administration information about the PAQS job. Menu item on the main menu of PAQS100.

Analysis

Command to obtain the analysis report online.

ARCHIVE

An offline storage facility that allows optimal use of minidisk space. This facility is included as a part of Job Maintenance.

Batch

Batch processing module is used to execute multiple tasks without user intervention. Reference Chapter 8, “Batch Processing.”

BCS

Batch change supplement

Bellcore TR Compliance Report

Database of the DMS-100 Family compliance to the Bellcore Technical Reference documents.

Capacity

Command that obtains the capacity report online.

Categorization module (CM)

Categorization module**.** Structure of provisioning modules within a single global module (GM). These modules represent modular groupings of major equipment areas, for example, lines and trunks, networks, and software.

Change

Command that changes the specified equipment quantity only. Associated equipment is left unchanged.

CI

Customer information.

CM

Categorization module.

Command line

Denoted as ===>. Allows the use of any valid PAQS command as if in the command-driven environment.

Constrain

Command that changes the specified equipment as well as most associated equipment. > **CONSTR** is a volatile command and should only be used after obtaining experience on the system. Constrained quantities are taken as true by the system and are used in the provisioning of other equipment. It is better to use Interactive Provisioning > **FSEC** to make equipment changes because > **FSEC** changes both the questionnaire and table entries. The edit A key <PF10> is found in the level B exports and maps to the questions.

Cross reference

This function associates equipment, level C, to questions, level A. The C to A cross reference provides the identity of the questions that drive the provisioning of specified equipment.

Customer information (CI)

Customer information

DEEQUIP

Command that places equipment in a file that can then be transferred to another job.

Delete option

Command to delete an unwanted option.

DEMASK

Command to create a mask from an existing job that can be applied to another job.

Display

Command that permits the viewing of the contents of the database such as equipment quantities, questionnaire answers, level B variables, and the C to A cross reference. This command is useful in verifying or inspecting the status of a job before generating reports.

Display option

Command that provides differences in the equipment, especially useful with options.

Done

Command used to leave the current input environment, for example, to leave a table.

EDITEQ

Presents the PAQS equipment edit function. Menu item on the main menu of PAQS100.

EDITQS

Presents the PAQS questionnaire edit function. Menu item on the main menu of PAQS100.

EF&I

Engineer, furnish, and install

Engineering Manual

Online standard Nortel Networks engineering rules on a per product engineering code (PEC) basis including always provided equipment. The Engineering Manual is accessed through the Technical Information Library (TIL) database.

Equipment quantities (EQ)

Equipment quantities

EQSUMM

Command to obtain the frame and shelf report.

Exit

Command used to leave the current input environment.

Exports

Level B output.

FACET

Flexible Advanced Capacity Engineering Tool

Feature Reference Report

Cross reference of DMS-100 features to the Bellcore LATA switching systems generic requirements feature.

File

Command to exit the PAQS environment and to save all updates to the session.

Flexible Advanced Capacity Engineering Tool (FACET)

A PC-based client-server platform which is used to calculate and predict computing module memory and capacity requirements.

FSENV

Full screen environment PAQS shell. The top level environment where all valid PAQS commands are invoked if access to a 3270 type full screen terminal is available. A menu entry or any PAQS command may be used in the full screen environment.

FSEQ

Command that permits the modification of equipment quantities.

FSIQ

Full screen input questionnaire. Command that permits the display and modification of questions in a full screen mode.

FSMASK

Full screen command to create and mask the PAQS questionnaire.

FSNOTES

Full screen command to add, delete, and review equipment or question notes.

FSREPORT

Full screen command to generate reports.

FSSQ

Full screen command to view and alter the system parameters.

Functional module

A single, orderable, priceable PEC that contains the minimum equipment necessary to fulfill a certain function. For example, a Digital Trunk Controller (DTC) will be assigned PEC NTZZ04BA and will consist of filler face plates, power converters, common fill, processor memory, and designation labels. The “always provided” equipment’s detailed PECs are collapsed into the DTC functional module.

Generic PEC (GPEC)

With IMPROV, the system provisioning rules produce generic product engineering codes (PEC) that are in turn mapped to the appropriate specific PECs. For example, the system rules calculate the number of line concentrating modules (LCM) required in the form of a GPEC. This GPEC is mapped to the appropriate hardware PEC based on D-date.

Global module (GM)

Refers to the full complement of modular provisioning rules for a particular family of DMS products, for example, DMS-100 Host.

GM

Global module

GOTO

Command that alters the prompt order. Specifying the question ID allows mobility through the questionnaire.

GPEC

Generic PEC

Help

Command that provides online documentation for the system commands. The cursor may be positioned in the full screen mode over the desired item. Press <ENTER> or <PF1>. Enter > **help commandname** or > **commandname ?** in the line-by-line mode.

HM

Command that halts execution of the system program.

Imports

Level B inputs

IMPROV

Interactive Material Provisioning

Input

Command permits interactively answering the questionnaire or interactively modifying the equipment quantities.

INSCF

Integrated network system computing facility

Interactive Material Provisioning (IMPROV)

Operating system enhancement introduced in NT-ACCESS Release 217. This optional capability provides the flexibility to provision the DMS equipment in modular steps.

Interactive provisioning

Full screen menu item 6 of PAQS100. Permits execution of the PAQS provisioning rules interactively in a full screen environment.

Job Maintenance

System that provides storage for both current jobs and stored jobs in NT-ACCESS.

Job Masking

Sub module in PAQS that reduces the number of questions answered during an input session.

Job Tracking

Stores information about all jobs for a particular userID or operating company. Job names can be cross referenced to information such as common language location identifier (CLLI) codes and NPA/NXX.

Level A

Questionnaire level

Level B

Algorithm level

Level C

Equipment identification level

Lock

Command used to create a lock issue of a job by placing a time and date stamp on it.

Lock final

Command that identifies to PAQS that the job is now POSTCI. No options may be present and provisioning must not be pending.

Mask

Menu item on the main menu of PAQS100.A utility used to create mask files that can be applied to a job database to make questions viewable and non-viewable.

MASKQS

Command that masks the questionnaire with a specified mask.

Material estimate (ME)

Refers to the actual equipment provided. Expressed at the product engineering code (PEC) level.

Material estimate mapper (MEM)

These modules are responsible for mapping generic PECs to actual equipment quantities based on D-date.

ME

Material estimate

MEM

Material estimate mapper

MEMCALC

Memory calculation sub module of the FACET tool that estimates and predicts computing module memory requirements.

Memory Calculation Interface (MEMCALC)

A menu item on the main PAQS100 menu. An interface to the integrated memory calculations. (No longer available)

MEREP

Command that generates an equipment summary report.

Merge

Command that merges data from an option into the base option.

Merge jobs

Action in Current Jobs on the Job Maintenance menu that extracts proposed equipment quantities and questionnaire answers from one job and places them into another job as existing quantities.

Merge option

Command that identifies options to be merged.

MESUM

Command that is similar in function to MEREP, but reports software and spares separately.

MOVEANS

Command that moves the proposed answers into exist answer fields.

News Bulletins

Electronic communication system that maintains a record of changes and additions to NT-ACCESS.

NOPROMPT

Command that allows multiple job retrieval from Stored Jobs without the aid of pop-up screens.

Note

Command that applies note information to questions and table entries.

Nortel Networks Publication (NTP)

NTI document that provides information about the architecture and operation of the DMS-100 product line. Customers may order NTPs through the Nortel Networks merchandise order department.

NOTEDIT

Command that modifies or creates a note.

NPA/NXX

Acronym that represents area code/office code prefix.

NTAJM

Term for the Job Maintenance facility. See Job Maintenance.

NTP

Nortel Networks Practice

Office parameters module (PARMS)

Full screen menu item 9 on the main menu. Office PARMS provides ancillary information about the provisioned office. It provides an electronic parameter questionnaire and many parameter calculations.

Options

An equipment list and answers necessary to define a given configuration, normally different from the base. See display option, set option, set base option, query option, delete option, merge option.

PARMS

Office parameters module

PEC

Product engineering code

PEC qualifier (PQ)

Code that groups similar equipment into functional sections, such as central control, input/output, cables, and spares. The PQ can distinguish different functionalities of the same product engineering code (PEC). For example, PEC NT4X80AA can be a data store (CCF1) or a program store (CCF0) circuit pack.

PF keys

Program function keys

PIV

Provisioning interim values

PQ

PEC qualifier

Prepare

Command that prepares an existing PAQS job for the next extension. It creates a new jobname from the old jobname and copies equipment quantities to the exist field.

PRISM

Pricing system that is accessed from the NT-ACCESS main menu.

Product engineering code (PEC)

Product engineering code

Program function (PF) keys

Program function keys that are set to frequently used commands. The PF key may be pressed to perform the desired action instead of typing a command.

Provisioning interim values (PIV)

Refers to the system calculated values that are transported between provisioning step modules. These variables can appear as either output PIVs (produced within the provisioning step module (PSM) being viewed) or as input PIVs (variables required for calculations in the viewed PSM).

Provision

Full screen menu item 5 of PAQS100. Invokes the PAQS equipment calculation function for the current job.

Provisioning step modules (PSM)

Set of provisioning rules forming one logical step of the provisioning process. For example, software provisioning is divided into two logical steps or PSMs, for example, feature and master.

PSM

Provisioning step modules

QSMASK

Questionnaire mask

Query option

Permits the viewing of the setting of various system parameters; for example, > **QUERY OPTSTAT** provides the status of options within an office.

Questionnaire mask (QSMASK)

Feature that pre-selects defaults and displays, if required, of any or all questions in the questionnaire.

REFRMAT

Command used to upgrade an existing database between releases or questionnaire issues.

Report

Command that brings up the report menu.

Report Manager

Sub module of NT-ACCESS that views, prints, and downloads reports.

Save

Command that explicitly saves the input session. (This command is not required if AUTOSAVE is set.)

SCSI

Small computer system interface

Set base option

Command used to specify that the option in effect is to be based on something other than zero.

Set option

Command that notifies the system that an option is desired.

Software Editor

PAQS facility that provides the capability to add or delete software packages, perform online interdependency checking, view contents of master packages, and run provisioning.

Technical Information Library (TIL)

Sub module of NT-ACCESS that features current product information about the Nortel Networks DMS-100 Family of products. The TIL includes TIL

documents composed from frequently asked questions, marketing literature, NTPs, and feature-specific descriptions. It also includes the Feature Reference Report, the Bellcore TR Compliance Report, and a menu item that accesses sections of the engineering manual.

TIL

Technical Information Library

Transfer

Job Maintenance command used to transfer ownership of a job to another group or userID.

Transmit

PF9 XMIT transmits reports to Nortel Networks.

Unconstrain

Command that unconstrains previously constrained equipment. Once the equipment is unconstrained, it is free to be modified by the provisioning subsystem.

Unpermit

This command retracts permission to view a job file. Unpermitting a group to view job files means that userIDs in that group that previously had read-only access to the job will no longer have the capability. If an individual userID is specified, then only that userID is unable to view the job files.

UserID

Logon account identification assigned to an individual account, for example, ZZCAXC01.

UUCP

UNIX to UNIX copy

XMIT

Transmit. PF9 XMIT transmits reports to Nortel Networks.

Zero suppress

Invoking this function displays only items that have a positive value; for example, product engineering codes (PEC) with zero values are not displayed.

?

Command that provides data associated with the current question or function.

??

Command that displays a list of valid commands in the input environment and is equivalent to ? in the main environment.

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DMS-100 Family

NT-ACCESS

User Guide

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