WAN ISDN Patch 3 for BCM 2.5, BCM 2.5 FP1 and BCM 2.5 FP1 MR1.1

Patch Description: This WAN ISDN patch updates the required files to correct problems where the ISDN dial-in interface fails to dial a connection.

Problem:

Intermittent ISDN dial-in failures are encountered by a number of customer sites at Europe. The symptoms are: Upon reboot of BCM, the ISDN dial-in works fine. After a period of time, say a few days, or sometimes a few weeks, the dial-in attempts start to fail. Once the failure starts to occur, only reboot of BCM can clear the problem.

Solution:

A few problems are fixed in the MSC driver area such that WAN task creation and deletion are better handled. These fixes are critical especially when there are simultaneous dial-in requests being received, or more then one channels are bundled together. Besides, a better handshake is implemented between the MSC driver and the link-layer lldial driver such that if a CreateWanTask failure indication is sent from MSC to lldial, TAPI and KSU core will get notified and corresponding resources allocated for the channel links are all freed.

Designer Sanity:

In our designer testing environment, we have one BCM as the dialout machine, and the other BCM as the dialin machine. These two BCMs are connected via an ISDN switch. We configured a demand-dial interface with multi-links. We use automated script to drive our testing. Here is a sample script, script5.bat for your reference:

Time Frame:

Due to huge customer impact, this patch needs to be released as soon as possible. Priority 1.

SR's Resolved:

- Q00287145: Intermittent dial-in failure - BCM 2.5 GA
- Q00453639: Intermittent dial-in failure
- Q00518042: BCM ISDN Dial in problem
- Q00519602: BCM ISDN Dial in problem -Actis #2

Software Components Changed:

- wntdrv.sys
- wntlib.dll
- wnttest.exe
- wntstar.exe
- lldial.sys
- wanexam.exe

BCM Release and Affected Profiles: BCM 2.5 GA, BCM 2.5 FP1 , BCM2.5 FP1 MR1.1

Prerequisite Patch(es): None

Previous Patch(es) Included: None