FEPS 30.0.140.33 for BCM 3.0

Problem:

BCM interop with IPT was experiencing codec payload size mismatches due to an MCDN interoperability issue. The encapsulation format of the tunnelled MCDN was causing these issues when the IPT was configured to use SL1 and initiating a call to the BCM.

CP_TRANSFER_IMMED notifications from CTE wre not being decoded correctly, leaving stale CallIds in the Symbol's data fields. After this happens three times, there are no free slots for new CallIds, and calls are disconnected.

Solution:

In a non-gatekeeper environment, the BCM (FEPS) now tunnels MCDN responses to IPT in CSE format only, regardless of the format of the tunnelled MCDN received in the SETUP message from the IPT. In a gatekeeper environment, the IPT is configured to send MCDN in CSE format, so this issue does not arise.\

Remove the stale CallId in the CP_TRANSFER_IMMED from the Symbols' data record.

CRs Resolved:

- Q00792761 - IP Trunk call dropped after approx 30 mins of connection
- Q00831863 - FEPS registry patch 3.0 - Ring trip at receiving set with Gateway protocol SL1
- Q00818446 - BCM 3.0 and Symbol - at times Symbol gets into a loop where one ring then disconnects

Designer Sanity:

Tested against IPT – BCM now responds with CSE only.

Tested against another BCM – BCM still responds with SL1, if the originating BCM initiates the call with SL1

CTE scenario was tested and passed.

BCM Release and Affected Profiles:

- BCM 3.0
- BCM 3.0.1