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Further Information regarding CC Docket 92-237

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Federal Communications Commission
Office of Secretary

PBX Product Availability

The product we are referring to is software, specifically X11 Release 19 or later software. X11 Release 19 with four digit CIC compliance began shipping in January 1994.

All new Meridian 1 systems shipped are four-digit CIC compliant "as is". Meridian 1 Options 21, 51/51C, 61/61C, 71, 81/81C have shipped CIC-compliant since January 1994. Meridian 1 Option 11 has shipped CIC-compliant "as is" since June 1995.

- B) All installed Meridian SL-1 or Meridian 1 systems still in use can be upgraded to support four-digit CIC. Four-digit CIC compliance was made available as follows:

System Software	Date Introduced
X11 Release 19 upissue	January 1994
X11 Release 17 upissue	April 1994
X11 Release 14 upissue	July 1994
X11 Release 18 upissue (Option 11)	June 1995

Any Meridian 1 or Meridian SL-1 system type that is still in use that has not been updated with four-digit CIC-compliant software would need to be upgraded to one of the above upissues or to current X11 software.

For Option 11, installed systems still in use that do not already have four-digit CIC compliant software can upgrade to Option 11 X11 Release 18 upissue or later software.

In some cases, installed Meridian 1 or Meridian SL-1 may require additional hardware to support one of the above software releases or current software. In the cases where hardware is required, the actual requirements will vary depending on installed system type and software release level and the system type and software release level desired. For example, a customer may choose to upgrade to X11 Release 17 or to X11 Release 19 or to current X11 software. Depending on the system type they have installed and the level of software they have installed, the upgrade to a particular software release may or may not include hardware. No Meridian 1 system would need to be replaced completely to support four-digit CIC.

2 - Percent of Users with four digit CIC Capable Systems

- A) Our best estimate is that 5% of our original 30% estimate may have upgraded to include CIC functionality. Note that the overall percentage of customers with four-digit CIC compliant software is increasing with new system shipments, thus reducing the percentage of non-compliant customers.

3 - Modifications Needed

- A) All Meridian 1 and Meridian SL-1 systems are capable of upgrading to four-digit CIC compliance if they haven't done so already.

Information regarding what percentage of customers who do not have four-digit CIC software who have systems capable of upgrading through software changes is not available due the variety of configurations that customers have in their installations that are not necessarily reported to Nortel.

Depending on what is currently installed and what is required to meet the customer's applications and requirements, hardware changes could involve a card exchange, a card cage exchange or the addition of a module. No Meridian 1 or Meridian SL-1 system requires a complete hardware replacement to support four-digit CIC.

4 - Costs of Modification

- A) If functionality is included in "base software" it is not optional and need not be ordered separately. New system and upgrades automatically include all functionality included in "base software".

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As stated in response to questions #1 and #3, hardware requirements and cost for any particular upgrade will vary depending on the components required to complete the upgrade, the complexity (additional capacity, new applications/features, etc) required to complete the upgrade, the maintenance/service fees charged by an authorized Meridian 1 distributor, any existing maintenance/service contracts the customer has with their distributor, etc.

- B) No Meridian 1 or Meridian SL-1 system would need to be completely replaced to support four-digit CIC.