

# Carrier Grade Updates for PowerEdge R640, R740, R740xd, R650, R750, XR11, XR12 & ME5012

## Important Information

■ **NOTE:** This information is relevant to the PowerEdge R640, R740, R740xd, R650, R750, XR11, XR12 and ME5012

⚠ **WARNING:** The intra-building port(s) of the equipment or subassembly is suitable for connection to intra-building or unexposed wiring or cabling only. The intra-building port(s) of the equipment or subassembly must not be metalically connected to interfaces that connect to the Outside Plant (OSP) or its wiring. These interfaces are designed for use as intra-building interfaces only (Type 2 or Type 4 ports as described in GR-1089-CORE, Issue 5) and require isolation from the exposed OSP cabling. The addition of Primary Protectors do not provide sufficient protection to connect these interfaces metalically to the OSP wiring.

⚠ **WARNING:** The intra-building port(s) of the equipment or subassembly must have shielded intra-building cabling or wiring that is grounded at both ends.

- Network equipment — Includes standard PCIe based Network Interface Card (NIC) and Fibre Channel (FC) devices.
- Bonding network — Equipment is suitable for Common Bonding Networks (CBNs).
- Suitable installation location — Equipment is suitable for installation in Network Telecommunications Facilities (NTF), and locations where the National Electrical Code (NEC) is applicable.
- DC bonding — Equipment is suitable for DC common bonding installations.
- Fan filter — The filter material in the filter bezel is 0.25 inch thick, 45PPI foam, and has an ASHRAE dust by weight arrestance of 80%. The filter must be replaced on a quarterly basis.
- Documentation for R640, R740, R740xd, R650, and R750 instruct users to power OFF the equipment prior to replacing the fans. This step is recommended; however, it is not required. The fans on these platforms are hot pluggable.

■ **NOTE:** You can order a service kit containing four replacement filters by contacting Dell Support.

## DC Power Supply Earthing Guidelines

⚠ **WARNING:** Systems using **-(48–60) V DC power supplies may have a connection between the earthed conductor of the DC power supply circuit and the earthing conductor.**

- The system must be connected directly to one of the following:
  - the DC power supply system earthing electrode conductor
  - a bonding jumper from an earthing terminal bar or bus to which the DC power supply system earthing electrode conductor is connected
- The system must be located in the same immediate area (for example, adjacent cabinets) as any other equipment that has a connection between the earthed conductor of the same DC power supply circuit and the earthing conductor, and the point of earthing of the DC system. The DC system must not be earthed elsewhere.
- The DC source must be located within the same premises as the equipment.
- The earthed circuit conductor between the DC power source and the earthing electrode conductor must not be connected to switching or disconnecting devices.