

R 4.0 Product Category Tables Change History

Table A-1

- Combined 1.2.1 Public Packet Switched Network and 1.2.4 Frame Relay Switch into 1.2.1 Legacy Packet Networks
- Incorporated 1.2.6 Packet Gateway into 1.2.2 Access Multi-service (products that bridge the switched circuit and packet networks)
- Incorporated 1.2.5 Broadband Multi-service into 1.2.9x Routers (products that handle only packet)
- Split 1.2.9 Routers into 1.2.9.1 Core (Routers) and 1.2.9.2 Edge (Routers) and move routers intended for the home or small offices to a new CPE category listed below
- Modified the definition for 3.2.6.2 Cable Transmission Equipment to include transmission media other than co-axial cable and changed name to Analog Cable Transmission Equipment
- Added new category 3.2.6.3 Digital Video Cable Transmission Equipment
- Added new category 6.2.7 CPE Router for packet routing equipment intended for home or small office use
- Added new category 6.6 for Network Security Devices
- Added new category 7.2.6 Telecom Test Laboratory for verification, certification and/or network compatibility testing service
- Re-defined 7.7 from Logistical Services to a category for Manufacturing Services
- Added new product categories under Manufacturing Services–
 - 7.7.1 Small Assemblies
 - 7.7.2 Printed Circuit Board Assembly
 - 7.7.3 Cable Assembly
 - 7.7.4 Electromechanical Assembly
- Original 7.7 Logistical Services moved to 7.7.5 and then split into 7.7.5.1 for contracted logistical services and 7.7.5.2 for internal logistical services
- Changed name of 8.1 Components to Hardware Components and added new product categories
 - 8.1.1 Discrete Semiconductors
 - 8.1.2 Integrated Circuits
 - 8.1.3 Passive Components
 - 8.1.4 Electromechanical Components
- In examples for 9.2 Wireless, expanded abbreviation “Svce” to “Service”
- Added IPTV to examples for 9.8 Video Broadcast Services

Table A-2

- Removed sections ii) on dominant releases and iv) on the use of “none” in the table as neither is needed in this version
- Removed the CCS and Admin Outage measure columns to match the changes made in Section 6 of the R4 Measurements Handbook
- Converted SW Measure column into a column for SFQ and SPR to match the changes made in Section 8 of the R4 Measurements Handbook
- Changed title of 1.2.1 to match the change noted above
- Noted 1.2.4, 1.2.5 and 1.2.6 as not currently used to match the changes noted above

- Split 1.2.9 Routers into 1.2.9.1 Core and 1.2.9.2 Edge to match change noted above. The required measures and normalization units did not change.
- Added the new categories 3.2.6.3 and 6.6
- Revised the table for all 7.x categories to add columns for the Service Quality SQ numerator, denominator and notes to match the changes in Section 9 of the R4 Measurements Handbook
- Added the new Manufacturing Services categories 7.7.1, 7.7.2, 7.7.3 and 7.7.4
- Renumbered existing 7.7 to 7.7.5 and added 7.7.5.1 & 7.7.5.2 to match changes noted above. No change to the required measures or normalization units for 7.7.5.1. Used same for new 7.7.5.2.
- Added the 8.1.x Component categories
- Modified note for 8.2 Electronic Assemblies to note the new Manufacturing Services categories 7.7.x
- Revised the table for all 9.x categories to add columns for the Service Quality SQ numerator, denominator and notes to match the changes in Section 9 of the R4 Measurements Handbook

Table A-3

- Revised most of the partial outage definitions and made changes to the general definitions to match the changes made in Section 6 of the R4 Measurements Handbook
- Defined partial outages for 3.3.2 Base Transceiver System (BTS) and 3.3.4 WLAN Base Station Equipment