

# End-of-Sale and End-of-Life Announcement for the Cisco Multiservice Provisioning Platform SW & HW and Multiservice Transport Platform SW

EOL12226

Cisco announces the end-of-sale and end-of-life dates for the Cisco Multiservice Provisioning Platform SW & HW and Multiservice Transport Platform SW. The last day to order the affected product(s) is February 26, 2019. Customers with active service contracts will continue to receive support from the Cisco Technical Assistance Center (TAC) as shown in Table 1 of the EoL bulletin. Table 1 describes the end-of-life milestones, definitions, and dates for the affected product(s). Table 2 lists the product part numbers affected by this announcement. For customers with active and paid service and support contracts, support will be available under the terms and conditions of customers' service contract.

**Table 1.** End-of-Life Milestones and Dates for the Cisco Multiservice Provisioning Platform SW & HW and Multiservice Transport Platform SW

Milestone	Definition	Date
<b>End-of-Life Announcement Date</b>	The date the document that announces the end-of-sale and end-of-life of a product is distributed to the general public.	February 26, 2018
<b>End-of-Sale Date: HW, OS SW, License</b>	The last date to order the product through Cisco point-of-sale mechanisms. The product is no longer for sale after this date.	February 26, 2019
<b>Last Ship Date: HW, OS SW, License</b>	The last-possible ship date that can be requested of Cisco and/or its contract manufacturers. Actual ship date is dependent on lead time.	May 28, 2019
<b>End of SW Maintenance Releases Date: HW, OS SW</b>	The last date that Cisco Engineering may release any final software maintenance releases or bug fixes. After this date, Cisco Engineering will no longer develop, repair, maintain, or test the product software.	February 26, 2020
<b>End of Vulnerability/Security Support: HW</b>	The last date that Cisco Engineering may release a planned maintenance release or scheduled software remedy for a security vulnerability issue.	February 25, 2022
<b>End of Routine Failure Analysis Date: HW</b>	The last-possible date a routine failure analysis may be performed to determine the cause of hardware product failure or defect.	February 26, 2020
<b>End of New Service Attachment Date: HW, OS SW</b>	For equipment and software that is not covered by a service-and-support contract, this is the last date to order a new service-and-support contract or add the equipment and/or software to an existing service-and-support contract.	February 26, 2020
<b>End of Service Contract Renewal Date: HW, OS SW</b>	The last date to extend or renew a service contract for the product.	May 27, 2023
<b>Last Date of Support: HW, OS SW</b>	The last date to receive applicable service and support for the product as entitled by active service contracts or by warranty terms and conditions. After this date, all support services for the product are unavailable, and the product becomes obsolete.	February 29, 2024

HW = Hardware OS SW = Operating System Software App. SW = Application Software

**Table 2.** Product Part Numbers Affected by This Announcement

End-of-Sale Product Part Number	Product Description
15454-0SA-HD-FL3	15454 0-shelf bay assy W/FAP-4
15454-10G-KIT-2	Includes 2ea TCC2P, XC-VXC-10G, 1ea CC-FTA AND SW RTU LIC
15454-10G-S1	10G, SR, Includes SR XFP (ONS-XC-10G-S1)
15454-10G-S1++=	10G, SR, Includes SR XFP (ONS-XC-10G-S1)
15454-10G-S1=	10G, SR, Includes SR XFP (ONS-XC-10G-S1)
15454-10G-XR	10G, Any Reach, XFP compatible (Ordered Separately)
15454-10G-XR++=	10G, Any Reach, XFP compatible (Ordered Separately), TAA
15454-10G-XR=	10G, Any Reach, XFP compatible (Ordered Separately)
15454-10GC0MP-KIT	Includes 2ea TCC2P and XC-10G, 1ea FTA3-T AND SW RTU LIC
15454-192L-1-77.8=	OC192 LR / STM-64 LH, 1577.86, 100GHz, 1 Ckt., SCy
15454-192L-1-78.6=	OC192 LR / STM-64 LH, 1578.69, 100GHz, 1 Ckt., SCy
15454-192L-1-79.5=	OC192 LR / STM-64 LH, 1579.52, 100GHz, 1 Ckt., SCy
15454-192L-1-80.3=	OC192 LR / STM-64 LH, 1580.35, 100GHz, 1 Ckt., SCy
15454-192L-1-81.1=	OC192 LR / STM-64 LH, 1581.18, 100GHz, 1 Ckt., SCy
15454-192L-1-82.0=	OC192 LR / STM-64 LH, 1582.02, 100GHz, 1 Ckt., SCy
15454-192L-1-82.8=	OC192 LR / STM-64 LH, 1582.85, 100GHz, 1 Ckt., SCy
15454-192L-1-83.6=	OC192 LR / STM-64 LH, 1583.69, 100GHz, 1 Ckt., SCy
15454-192L-1-84.5=	OC192 LR / STM-64 LH, 1584.53, 100GHz, 1 Ckt., SCy
15454-192L-1-85.3=	OC192 LR / STM-64 LH, 1585.36, 100GHz, 1 Ckt., SCy
15454-192L-1-86.2=	OC192 LR / STM-64 LH, 1586.20, 100GHz, 1 Ckt., SCy
15454-192L-1-87.0=	OC192 LR / STM-64 LH, 1587.04, 100GHz, 1 Ckt., SCy
15454-192L-1-87.8=	OC192 LR / STM-64 LH, 1587.88, 100GHz, 1 Ckt., SCy
15454-192L-1-88.7=	OC192 LR / STM-64 LH, 1588.73, 100GHz, 1 Ckt., SCy
15454-192L-1-89.5=	OC192 LR / STM-64 LH, 1589.57, 100GHz, 1 Ckt., SCy
15454-192L-1-90.4=	OC192 LR / STM-64 LH, 1590.41, 100GHz, 1 Ckt., SCy
15454-192L-1-91.2=	OC192 LR / STM-64 LH, 1591.26, 100GHz, 1 Ckt., SCy
15454-192L-1-92.1=	OC192 LR / STM-64 LH, 1592.10, 100GHz, 1 Ckt., SCy
15454-192L-1-92.9=	OC192 LR / STM-64 LH, 1592.95, 100GHz, 1 Ckt., SCy
15454-192L-1-93.7=	OC192 LR / STM-64 LH, 1593.79, 100GHz, 1 Ckt., SCy
15454-4SA-HD-FL4	15454 Bay Assy, 4x SA-HD, DD, UBICH, ESD, 1x FAP-4, Rack
15454-4SA-RACK	15454 Bay Assy., 4-Shelves and Rack, No Options
15454-AIC-I	Alarm Interface Card Enh Intl, I-Temp
15454-AIC-I++=	Alarm Interface Card Enh Intl, I-Temp, TAA
15454-AIC-I=	Alarm Interface Card Enh Intl, I-Temp
15454-AIP=	Backplane PROM panel RMA
15454-AIR-RAMP=	ONS 15454 Air Ramp / Baffle for the ANSI Chassis
15454-BAY-ACCKIT0	Zero Shelf Acckit
15454-BAY-ACCKIT0=	Zero Shelf Acckit
15454-BAY-ACCKIT2	15454 Bay accessory kit- HD-FL
15454-BAY-ACCKIT2=	15454 Bay accessory kit- HD-FL
15454-BAY-ACCKIT4	Four Shelf Acckit

End-of-Sale Product Part Number	Product Description
15454-BAY-ACCKIT4=	Four Shelf Acckit
15454-BAY-COVER2=	15454 BAY SIDE COVER KIT
15454-BAY-COVER=	15454 Bay Side Cover Kit
15454-BAY-EXT=	15454 Bay Extender Kit
15454-BAY-GUARD2=	15454 END PANEL GUARD FOR THE 7 FOOT BAY- RACK1
15454-BAY-GUARD=	15454 Bay End Guard Kit
15454-BLANK-E	Detectable Empty slot Filler Panel
15454-BLANK-E=	Detectable Empty slot Filler Panel
15454-BP-COVER-A	15454 BLANK Backplane Cover, Side A
15454-BP-COVER-A=	15454 BLANK Backplane Cover, Side A
15454-BP-COVER-B	15454 BLANK Backplane Cover, Side B
15454-BP-COVER-B=	15454 BLANK Backplane Cover, Side B
15454-BRACKET-19	15454 19 INCH MOUNTING BRACKET FOR SA-HD AND DEEP DOOR
15454-BRACKET-19=	15454 19 INCH MOUNTING BRACKET FOR SA-HD AND DEEP DOOR
15454-BRACKET-23	15454 23 INCH MOUNTING BRACKET FOR SA-HD AND DEEP DOOR
15454-BRACKET-23=	15454 23 INCH MOUNTING BRACKET FOR SA-HD AND DEEP DOOR
15454-CA-HDBNC-30=	Cable assy, Mini-BNC to unterm (BNC provided), 735A, 30ft
15454-CA-HDBNC-75=	Cable assy, Mini-BNC to unterm (BNC provided), 735A, 75ft
15454-CADS1-H-100=	DS1 Cable Assembly, UBIC-H - 100 ft
15454-CADS1-H-150=	DS1 Cable Assembly, UBIC-H - 150 ft
15454-CADS1-H-200=	DS1 Cable Assembly, UBIC-H - 200 ft
15454-CADS1-H-25=	DS1 Cable Assembly, UBIC-H - 25 ft
15454-CADS1-H-30=	DS1 Cable Assembly, UBIC-H - 30 ft
15454-CADS1-H-50=	DS1 Cable Assembly, UBIC-H - 50 ft
15454-CADS1-H-75=	DS1 Cable Assembly, UBIC-H - 75 ft
15454-CADS1-V-30=	DS1 Cable Assembly- 30 ft
15454-CADS3-H-100=	DS3 Cable Assembly, UBIC-H - 100 ft
15454-CADS3-H-125=	DS3 Cable Assembly, UBIC-H - 125 ft
15454-CADS3-H-150=	DS3 Cable Assembly, UBIC-H - 150 ft
15454-CADS3-H-175=	DS3 Cable Assembly, UBIC-H - 175 ft
15454-CADS3-H-200=	DS3 Cable Assembly, UBIC-H - 200 ft
15454-CADS3-H-25=	DS3 Cable Assembly, UBIC-H - 25 ft
15454-CADS3-H-50=	DS3 Cable Assembly, UBIC-H - 50 ft
15454-CADS3-H-75=	DS3 Cable Assembly, UBIC-H - 75 ft
15454-CADS3-V-30=	DS3 Cable Assembly- 30 ft
15454-CC-FTA	Shelf Controlled Cooling Fan Tray, ANSI, HPCFM, I-Temp
15454-CC-FTA=	Shelf Controlled Cooling Fan Tray, ANSI, HPCFM, I-Temp
15454-CC-LLP3	BUNDLE 15454 COMMON CONTROL AND 3YRSNTNBD IF SKU BOUGHT
15454-CC-LLP5	BUNDLE 15454 COMMON CONTROL AND 5YRSNTNBD IF SKU BOUGHT
15454-CE-MR-10	Carrier Ethernet card - 10 port Multirate 10/100/1000 Mbps
15454-CE-MR-10+++	Carrier Ethernet card-10 port Multirate 10/100/1000 Mbps, TAA
15454-CE-MR-10=	Carrier Ethernet card - 10 port Multirate 10/100/1000 Mbps
15454-CONSOLE-02=	RJ11 to RJ45 Console Cable Adapter, 22 Inches

End-of-Sale Product Part Number	Product Description
15454-DOC10.0CD=	MSTP - ANSI & ETSI, R10.0 - System Documentation DVD, Englis
15454-DOC10.1CD=	MSTP - ANSI & ETSI, R10.1 System Documentation DVD, English
15454-DOC10.1CDA=	MSTP - ANSI R10.1 System Documentation DVD, English AT&T
15454-DOC2.2.0PP	Sys. Doc. Rel. 2.2.0 English, Paper
15454-DOC2.2.0PP=	Sys. Doc. Rel. 2.2.0 English, Paper. EOS 01-2003 (1839)
15454-DOC2.2.1CD	Sys. Doc. Rel. 2.2.1 English, CD
15454-DOC2.2.1CD=	Sys. Doc. Rel. 2.2.1 English, CD
15454-DOC8.0.0B1=	BellSouth Sys Doc. Rel 8.0.0 English CD, Ver. 1 config
15454-DOC8.0.0CD	Sys. Doc. Rel. 8.0.0 English, CD
15454-DOC8.0.0CD=	Sys. Doc. Rel. 8.0.0 English, CD
15454-DOC8.0.0PB1=	BellSouth Sys Doc. Rel 8.0.0 English Paper, Ver. 1 config
15454-DOC8.5.0B1=	ATT-SE Sys Doc. Rel 8.5.0 English CD, Ver. 1 config
15454-DOC8.5.0CD	15454 ANSI Sys. Doc. Rel. 8.5.0 English, CD
15454-DOC8.5.0CD=	15454 ANSI Sys. Doc. Rel. 8.5.0 English, CD
15454-DOC8.5.1B1=	ATT-SE Sys Doc. Rel 8.5.1 English CD, Ver. 1 config
15454-DOC8.5.1CD	15454 ANSI Sys. Doc. Rel. 8.5.1 English, CD
15454-DOC8.5.1CD=	15454 ANSI Sys. Doc. Rel. 8.5.1 English, CD
15454-DOC9.0.0B1=	ATT-SE Sys Doc. Rel 9.0.0 English CD, Ver. 1 config
15454-DOC9.0.0CD	15454 ANSI Sys. Doc. Rel. 9.0.0 English, CD
15454-DOC9.0.0CD=	15454 ANSI Sys. Doc. Rel. 9.0.0 English, CD
15454-DOC9.1.0CD	15454 ANSI MSTP-MSPP Sys. Doc. Rel. 9.1.0 English, CD
15454-DOC9.1.0CD=	15454 ANSI MSTP-MSPP Sys. Doc. Rel. 9.1.0 English, CD
15454-DOC9.2.0A=	15454 MSTP, MSPP ANSI Sys. Doc. Rel. 9.2.0 English, CD - ATT
15454-DOC9.2.0CD	15454 ANSI MSTP and MSPP Sys. Doc. Rel. 9.2.0 English, CD
15454-DOC9.2.0CD=	15454 ANSI MSTP and MSPP Sys. Doc. Rel. 9.2.0 English, CD
15454-DOC9.2.1CD	15454 ANSI MSTP MSPP Sys. Doc. Rel. 9.2.1 English, CD
15454-DOC9.2.1CD=	15454 ANSI MSTP and MSPP Sys. Doc. Rel. 9.2.1 English, CD
15454-DOC9.2.1CDA=	15454 ANSI Sys. Doc. Rel. 9.2.1 English, CD - AT T
15454-DOC9.2.2CD=	15454 ANSI ETSI MSTP Sys. Doc. Rel. 9.2.2 English, CD
15454-DOC9.2.2CDA=	15454 ANSI Sys. Doc. Rel. 9.2.2 English, CD - AT&T
15454-DOC9.3.0CD=	15454 ANSI MSTP Sys. Doc. Rel. 9.3.0 English, CD
15454-DOC9.4.0CD=	15454 ANSI MSTP Sys. Doc. Rel. 9.4.0 English, CD
15454-DOC9.6.0CD=	15454 ANSI ETSI MSTP Sys. Doc. Rel. 9.6.0 English, CD
15454-DOC9.6.0CDA=	15454 ANSI Sys. Doc. Rel. 9.6.0 English, CD - AT&T
15454-DOC9.8.0CD=	15454 ANSI ETSI MSTP Sys. Doc. Rel. 9.8.0 English, CD
15454-DS1E1-56	DS1/ E1, 1:N, 56 ports, I-Temp
15454-DS1E1-56+++	DS1/ E1, 1:N, 56 ports, I-Temp, TAA
15454-DS1E1-56=	DS1/ E1, 1:N, 56 ports, I-Temp
15454-DS3EC1-48	DS3, 48 Ckt., reqs SA-HD shelf assembly
15454-DS3EC1-48+++	DS3, 48 Ckt., reqs SA-HD shelf assembly, TAA
15454-DS3EC1-48=	DS3, 48 Ckt., reqs SA-HD shelf assembly
15454-EIA-UBICH-A	Universal Backplane Interface w/ Horizontal Connector-A Side
15454-EIA-UBICH-A=	Universal Backplane Interface w/ Horizontal Connector-A Side

End-of-Sale Product Part Number	Product Description
15454-EIA-UBICH-B	Universal Backplane Interface w/ Horizontal Connector-B Side
15454-EIA-UBICH-B=	Universal Backplane Interface w/ Horizontal Connector-B Side
15454-EIAUBICHA+++	Universal BP Interface w/ Horizontal Connector-A Side, TAA
15454-EIAUBICHB+++	Universal BP Interface w/ Horizontal Connector-B Side, TAA
15454-EPC=	15454, 15454E and 15327 8 Pin Cable Assembly
15454-ESD-FRONT	15454 ESD Front Access
15454-ESD-FRONT=	15454 ESD Front Access
15454-FAP-4	Compact dual-feed fuse and alarm panel
15454-FAP-4=	Compact dual-feed fuse and alarm panel
15454-FIBER-BOOT=	Bag of 15 90 degree fiber retention boots
15454-HD-DD-KIT	15454 Deep Door Kit for use with SA-HD, SA-ANSI
15454-HD-DD-KIT=	15454 Deep Door Kit for use with SA-HD, SA-ANSI
15454-HD-SHIPKIT=	HD Shelf Install Accessories
15454-KIT-RACK-0	15454 HARDWARE KIT FOR 0SA-HD-FL
15454-KIT-RACK-0=	15454 HARDWARE KIT FOR 0SA-HD-FL
15454-KIT-RACK-4	15454 HARDWARE KIT FOR 4SA-HD-FL
15454-KIT-RACK-4=	15454 HARDWARE KIT FOR 4SA-HD-FL
15454-ML-MR-10	ML2 10-pt Multi-rate L2/RPR Card
15454-ML-MR-10+++	ML2 10-pt Multi-rate L2/RPR Card, TAA
15454-ML-MR-10=	ML2 10-pt Multi-rate L2/RPR Card
15454-MRC-2.5G4	OC3/12/48, 2.5G Max, 4 ports, IOF
15454-MRC-2.5G4+++	OC3/12/48, 2.5G Max, 4 ports, IOF, TAA
15454-MRC-2.5G4=	OC3/12/48, 2.5G Max, 4 ports, IOF
15454-MRC-I-12	OC3/12/48, 12 ports, IOF
15454-MRC-I-12+++	OC3/12/48, 12 ports, IOF, TAA
15454-MRC-I-12=	OC3/12/48, 12 ports, IOF
15454-MRC-I-4	OC3/12/48, 2.5G Max, 4 ports, IOF
15454-MRC-I-4=	OC3/12/48, 2.5G Max, 4 ports, IOF
15454-OC12I1-1-SK	15454 Contains 1 ea MRC-2.5G4, ONS-SI-622-I1
15454-OC12L1-1-SK	15454 Contains 1 ea MRC-2.5G4, ONS-SI-622-L1
15454-OC12L2-1-SK	15454 Contains 1 ea MRC-2.5G4, ONS-SI-622-L2
15454-OC3-I1-1-SK	15454 Contains 1 ea MRC-2.5G4, ONS-SI-155-I1
15454-OC3-I1-8-SK	15454 Contains 1 of MRC-I-12 and 8 of ONS-SI-155-I1
15454-PL-1000-4	4 port GE Carrier Edge card
15454-PL-1000-4=	4 port GE Carrier Edge card
15454-R5.0.8SWK9=	Rel. 5.0.8 Feature Pkg., CD, Right To Use License
15454-R6.2.2SWK9=	Rel. 6.2.2 Feature Pkg., CD, Right to Use License
15454-R8.5.0K9-B1=	ATT-SE Rel. 8.5.0 Feature Pkg., CD, Ver. 1 config
15454-RACK1	15454 BAY ASSEMBLY RACK
15454-RACK1=	15454 BAY ASSEMBLY RACK
15454-RCA=	Rear Cover Assy, AB Side, 15454
15454-SA-HD	15454 SA HD NEBS3 ANSI w/ RCA and Ship Kit
15454-SA-HD+++	15454 SA HD NEBS3 ANSI w/ RCA and Ship Kit, TAA

End-of-Sale Product Part Number	Product Description
15454-SA-HD-DDR3	15454 KIT- 1 EA SA HD, SA DD KIT, CC-FTA, ESD FRONT
15454-SA-HD-KIT	15454 KIT- 1 EA SA HD, EIA UBIC H A, UBIC HB
15454-SA-HD-TAA	15454 TAA ATO (Assemble to Order)
15454-SA-HD=	15454 SA HD NEBS3 ANSI w/ RCA and Ship Kit
15454-SC-SC-2	SC to SC fiber patchcord-2m(duplex)
15454-SC-SC-2=	SC to SC fiber patchcord-2m(duplex)
15454-SC-SC-6	SC to SC fiber patchcord-6m(duplex)
15454-SC-SC-6=	SC to SC fiber patchcord-6m(duplex)
15454-SMB-HDBNC30=	Cable Assy, HD-BNC, 30 FT
15454-SMB-HDBNC75=	Cable Assy, HDBNC, 75 FT
15454-TCC2-DDR=	For SERVICE LOGISTICS ONLY Memory module for TCC2P Line Card
15454-TCC2P-B1-K9=	Timing Communications Control Two Plus, I-Temp
15454-TCC2P-K9	Timing Communications Control Two Plus, I-Temp
15454-TCC2P-K9++=	Timing Communications Control Two Plus, I-Temp, TAA
15454-TCC2P-K9=	Timing Communications Control Two Plus, I-Temp
15454-TIE-BAR-19=	Cable tie-down n bar/guardrail for 19 inch rack
15454-TIE-BAR-23=	Cable tie-down n bar/guardrail for 23 inch rack
15454-WDM7.0.3K9=	Rel. 7.0.3 MSTP Feature Pkg., CD, DWDM ONLY DEPLOYMENTS
15454-XC-VXC-10G	Cross-Connect Module, High Cap. Tributary
15454-XC-VXC-10G=	Cross-Connect Module, High Cap. Tributary
15454-XC-VXC10G++=	Cross-Connect Module, High Cap. Tributary, TAA
15454E-120TMGCBL	75ohm to 120ohm converter cable for Timing
15454E-120TMGCBL=	75ohm to 120ohm converter cable for Timing
15454E-19ANS-KIT	Brackets/Hardware req. for 19in ANSI Rack (North American)
15454E-19ANS-KIT=	Brackets/Hardware req. for 19in ANSI Rack (North American)
15454E-19IEC-KIT	Brackets/Hardware req. for 19in IEC Rack (IEC 297-2)
15454E-19IEC-KIT=	Brackets/Hardware req. for 19in IEC Rack (IEC 297-2)
15454E-AIC-I	SDH Alarm Interconnect module - ANSI/ETSI Support
15454E-AIC-I=	SDH Alarm Interconnect module - ANSI/ETSI Support
15454E-AIR-RAMP	ONS 15454 SDH Air Ramp comes with ETSI Rack Brackets
15454E-AIR-RAMP=	ONS 15454 SDH Air Ramp comes with ETSI Rack Brackets
15454E-ALMCBL-010	10 Meter Twisted Pair Alarm Cable, HDB-62 -Male, Single Ended
15454E-ALMCBL-010=	10 Meter Twisted Pair Alarm Cable, HDB-62 -Male, Single Ended
15454E-AP-MIC48V	ONS15454SDH Alarm, -48V PwrMgmt IF Conn
15454E-AP-MIC48V=	ONS15454SDH Alarm, -48V PwrMgmt IF Conn
15454E-APMIC48V++=	ONS15454SDH Alarm, -48V PwrMgmt IF Conn
15454E-ARBK-KIT	Air-Ramp Mounting Brackets for both 19in IEC/ANSI Rack
15454E-ARBK-KIT=	Air-Ramp Mounting Brackets for both 19in IEC/ANSI Rack
15454E-BLANK-FMEC	15454 ETSI Blank Module for FMEC (Slot Filler)
15454E-BLANK-FMEC=	15454 ETSI Blank Module for FMEC (Slot Filler)
15454E-CBL-MNGT	ONS 15454 SDH electrical cable management unit
15454E-CBL-MNGT=	ONS 15454 SDH electrical cable management unit
15454E-CC-FTA	48V Controlled Cooling Fan Tray with filter for ETSI Chassis

End-of-Sale Product Part Number	Product Description
15454E-CC-FTA++=	48V Controlled Cooling Fan Tray with filter for ETSI Chassis
15454E-CC-FTA=	48V Controlled Cooling Fan Tray with filter for ETSI Chassis
15454E-CTP-MIC48V	ONS15454SDH Craft, Timing, -48V PwrMgmt IF Conn
15454E-CTP-MIC48V=	ONS15454SDH Craft, Timing, -48V PwrMgmt IF Conn
15454E-CTPMC48V++=	ONS15454SDH Craft, Timing, -48V PwrMgmt IF Conn
15454E-DOC4.6.0CD	Sys. Doc. Rel. 4.6.0 English, CD
15454E-DOC4.6.0CD=	Sys. Doc. Rel. 4.6.0 English, CD
15454E-DOC5.0.0CD	Sys. Doc. Rel. 5.0.0 English, CD
15454E-DOC5.0.0CD=	Sys. Doc. Rel. 5.0.0 English, CD
15454E-DOC8.0.0CD	Sys. Doc. Rel. 8.0.0 English, CD
15454E-DOC8.0.0CD=	Sys. Doc. Rel. 8.0.0 English, CD
15454E-DOC8.5.1CD	15454E ETSI Sys. Doc. Rel. 8.5.1 English, CD
15454E-DOC8.5.1CD=	15454E ETSI Sys. Doc. Rel. 8.5.1 English, CD
15454E-DOC9.0.0CD	15454 ETSI Sys. Doc. Rel. 9.0.0 English, CD
15454E-DOC9.0.0CD=	15454 ETSI Sys. Doc. Rel. 9.0.0 English, CD
15454E-DOC9.1.0CD	15454 ETSI I MSTP, MSPP Sys. Doc. Rel. 9.1.0 English, CD
15454E-DOC9.1.0CD=	15454 ETSI I MSTP, MSPP Sys. Doc. Rel. 9.1.0 English, CD
15454E-DOC9.2.0CD	15454 ETSI MSTP and MSPP Sys. Doc. Rel. 9.2.0 English, CD
15454E-DOC9.2.0CD=	15454 ETSI MSTP and MSPP Sys. Doc. Rel. 9.2.0 English, CD
15454E-DOC9.2.1CD	15454 ETSI MSTP and MSPP Sys. Doc. Rel. 9.2.1 English, CD
15454E-DOC9.2.1CD=	15454 ETSI MSTP and MSPP Sys. Doc. Rel. 9.2.1 English, CD
15454E-DOC9.3.0CD=	15454 ETSI MSTP Sys. Doc. Rel. 9.3.0 English, CD
15454E-DOC9.4.0CD=	15454 ETSI MSTP Sys. Doc. Rel. 9.4.0 English, CD
15454E-ETSI-SHPKT	ONS 15454 SDH ETSI Chassis Ship Kit
15454E-ETSI-SHPKT=	ONS15454 SDH ETSI Chassis Ship Kit
15454E-PWRCBL-010	10Meter, 8 AWG, Single Ended Power Cable
15454E-PWRCBL-010=	10Meter, 8 AWG, Single Ended Power Cable
15454E-PWRCBL-020	20Meter, 8 AWG, Single Ended Power Cable
15454E-PWRCBL-020=	20Meter, 8 AWG, Single Ended Power Cable
15454E-R4.6.6SWK9=	Rel. 4.6.6 Feature Pkg., CD, Right To Use License
15454E-R5.0.6SWK9=	Rel. 5.0.6 Feature Pkg., CD, Right To Use License
15454E-R7.0.1SWK9=	Rel. 7.0.1 MSTP Feature Pkg., CD, DWDM ONLY DEPLOYMENTS
15454E-R8.0.0SWK9=	Rel. 8.0.0 Feature Pkg., CD, Right To Use License
15454E-R8.0.2SWK9=	15454E Rel 8.0.2 MSTP Feature Pkg., CD, DWDM Only Deployments
15454E-SA-ETSI	ONS 15454 SDH ETSI Chassis and Ship-Kit
15454E-SA-ETSI=	ONS 15454 SDH ETSI Chassis and Ship-Kit
15454E-TCC2P	Timing Communications Control Two Plus, I-Temp
15454E-TCC2P-K9	Timing Communications Control 2 Plus, ITemp-ANSI/ETSI Support
15454E-TCC2P-K9=	Timing Communications Control 2 Plus, ITemp-ANSI/ETSI Support
15454E-TCC2P=	Timing Communications Control Two Plus, I-Temp
15454E-WDM7.0.3K9=	Rel. 7.0.3 MSTP Feature Pkg., CD, DWDM ONLY DEPLOYMENTS
15454W-2D-SMR-SK	2-Degree 40chs SMR - Starter Kit
15454W-2XM6-N-SK	2x M6 DC Power + 4x TNCE - ROADM Node Starter Kit

End-of-Sale Product Part Number	Product Description
15454W-2XM6-S-SK	2x M6 DC Power + 4x TSCE - Transponder Shelf Starter Kit
15454W-AIR-RAMP=	15454W WDM Air Ramp / Baffle for the ANSI/ETSI Chassis
15454W-AP-MIC48V=	15454W WDM ETSI Alarm, -48V PwrMgmt IF Conn
15454W-BLANK-FMEC=	15454W WDM ETSI Blank Module for FMEC (Slot Filler)
15454W-BLANK=	15454W WDM ANSI/ETSI Blank Module (Slot Filler)
15454W-BP-COVER-A	15454W WDM ANSI BLANK Backplane Cover, Side A
15454W-BP-COVER-B	15454W WDM ANSI BLANK Backplane Cover, Side B
15454W-CC-FTA=	15454W Carrier Class Fan Tray with filter, WDM ANSI, HPCFM
15454W-CTP-MIC48V=	15454W WDM ETSI Craft, Timing, -48V PwrMgmt IF Conn
15454W-DOC7.0.0C=	15454W WDM ANSI Sys. Doc. Rel. 7.0.0 English, CD
15454W-FTA-48V=	15454W WDM 48V Fan Tray with filter for ETSI Chassis
15454W-FTA3-T=	15454W WDM ANSI Shelf Fan Tray Assembly, HPCFM, I-Temp
15454W-SMR100G-SK	2x SMR2 Licensed + 20x 10G Transponders - Starter Kit
15454W-SMR10G-SK	2x SMR2 Licensed + 2x 100G LH Muxponders - Starter Kit
15454WE-CC-FTA=	15454W, 48V Carrier Class FanTray w/filter for WDM ETSI HPCFM
15454WE-DOC7.0.0C=	15454W WDM ETSI Sys. Doc. Rel. 7.0.0 English, CD
CISCO15454	15454 ATO (Assemble to Order)
CISCO15454E	15454E ATO (Assembly to Order)
MISC-SHIP-CTR	Misc Shipping Item - CTR Org
NCS2002-SEC-K9	NCS 2002 Security ATO (assemble to order)
NCS2006-SEC-AC-K9	Security Bundle with AC power modules
NCS2006-SEC-DC-K9	Security Bundle with DC power modules
NCS2006-SEC-K9	NCS 2006 Security ATO (assemble to order)
NCS4K-2X100G-SK	NCS4000 2x 100G CP-DQPSK WDM + 4x CPAK LR4 STARTER KIT
STS-AS-OPT	STS-SUPPORT-OPTICAL-MSPP
STS-OPTICAL-MSPP	STS-SUPPORT-OPTICAL-MSPP
15454-LIC-7.0.1K9	15454 Upgrade License for R7.0.1, Right to Use License
15454-LIC-7.0.7K9	15454 Upgrade License for 7.0.7, Right To Use License
15454-LIC-7.2.3K9	15454 Upgrade License for 7.2.3, Right To Use License
15454-LIC-8.5.2K9	15454 Upgrade License for 8.5.2, Right To Use License
15454-LIC-8.5.3K9	15454 Upgrade License for 8.5.3, Right To Use License
15454-LIC-8.5.4K9	15454 Upgrade License for 8.5.4, Right To Use License
15454-LIC-8.6.0K9	15454 Upgrade License for 8.6.0, Right To Use License
15454-LIC-9.0.0K9	15454 Upgrade License for 9.0.0, Right To Use License
15454-LIC-9.0.1K9	15454 Upgrade License for 9.0.1, Right To Use License
15454-LIC-9.0.2K9	15454 Upgrade License for 9.0.2, Right To Use License
15454-LIC-9.1.0K9	15454 ANSI MSTP-MSPP Upgrade License for 9.1.0, Right To U
15454-LIC-9.2.0K9	15454 ANSI MSTP, MSPP Upgrade License for 9.2.0, RTU License
15454-LIC-9.3.0K9	15454 ANSI MSTP Upgrade License for 9.3.0, Right To Use
15454-LIC-9.8.0K9	15454 ANSI ETSI MSTP Upgrade License for 9.8.0, Right To Use
15454-LIC-R4.6.4	15454 Upgrade License for R4.6.4, Right To Use License
15454-LIC-R5.0.0	15454 Upgrade License for R5.0.0
15454-LIC-R6.0.0	15454 Upgrade License for R6.0.0



End-of-Sale Product Part Number	Product Description
15454-LIC-R6.0.0=	15454 Upgrade License for R6.0.0
15454-R9.8.0SWK9	15454 ANSI ETSI MSTP Rel. 9.8.0 Pkgs., DVD, RTU License
15454-R9.8.0SWK9=	15454 ANSI ETSI MSTP Rel. 9.8.0 Pkgs., DVD, RTU License
15454C-LIC-9.8.0K9	15454 ANSI ETSI MSTP-WSON Upgrade Lic 9.8.0, Right To Use
15454C-R9.6.0K9-A=	ANSI ETSI MSTP-WSON Rel 9.6.0 Pkgs, DVD, RTU License- AT&T
15454C-R9.8.0SWK9	15454 ANSI ETSI MSTP-WSON Rel. 9.8.0 Pkgs, DVD, RTU License
15454C-R9.8.0SWK9=	15454 ANSI ETSI MSTP-WSON Rel 9.8.0 Pkgs, DVD, RTU License
15454E-LIC-6.2.2K9	15454E Upgrade License for R6.2.2, Right to Use License
15454E-LIC-7.2.3K9	15454E Upgrade License for R7.2.3, Right to Use License
15454E-LIC-8.0.0K9	15454E Upgrade License for 8.0.0, Right To Use License
15454E-LIC-8.5.4K9	15454E Upgrade License for R8.5.4, Right to Use License
15454E-LIC-8.6.0K9	15454E Upgrade License for R8.6.0, Right to Use License
15454E-LIC-9.0.0K9	15454E Upgrade License for R9.0.0, Right to Use License
15454E-LIC-9.0.1K9	15454E Upgrade License for R9.0.1, Right to Use License
15454E-LIC-9.0.2K9	15454E Upgrade License for R9.0.2, Right to Use License
15454E-LIC-9.1.0K9	15454 ETSI MSTP, MSPP Upgrade License for 9.1.0, Right To Use
15454E-LIC-9.2.0K9	15454 ETSI MSTP, MSPP Upgrade License for 9.2.0, RTU License
15454E-LIC-9.3.0K9	15454 ETSI MSTP Upgrade License for 9.3.0, Right To Use
15454E-LIC-R6.0.0	15454E Upgrade License for R6.0.0
15454E-LIC-UPG	15454E Software Upgrade License (ATO)
15454-DOC5.0.2CD	Sys. Doc. Rel. 5.0.2 English, CD
15454-DOC5.0.2CD=	Sys. Doc. Rel. 5.0.2 English, CD
15454-DOC5.0.2PP	Sys. Doc. Rel. 5.0.2 English, Paper
15454-DOC5.0.2PP=	Sys. Doc. Rel. 5.0.2 English, Paper
15454-LIC-8.6.1K9	15454 Upgrade License for 8.6.1, Right To Use License
15454-LIC-9.0.3K9	15454 Upgrade License for 9.0.3, Right To Use License
15454-LIC-9.2.1K9	15454 ANSI MSTP-MSPP Upgrade 9.2.1, Right To Use License
15454-LIC-9.2.2K9	15454 ANSI MSTP Upgrade License for 9.2.2, RTU License
15454-LIC-9.2.3K9	15454 ANSI MSTP-MSPP Upgrade Lic for 9.2.3, RTU
15454-LIC-9.4.0K9	15454 ANSI MSTP Upgrade License for 9.4.0, Right To Use
15454-LIC-9.6.0K9	15454 ANSI ETSI MSTP Upgrade License for 9.6.0, Right To Use
15454-R4.1.1SW-B1=	BellSouth Rel. 4.1.1 Feature Pkg., CD, Ver. 1 config
15454-R4.1.2SW-B1	Rel. 4.1.2 Feature Pkg., CD - BellSouth
15454-R4.1.2SW-B1=	Rel. 4.1.2 Feature Pkg., CD - BellSouth
15454-R4.1.4SWCD	Rel. 4.1.4 Feature Pkg., CD, Right To Use License
15454-R4.1.4SWCD=	Rel. 4.1.4 Feature Pkg., CD, Right To Use License
15454-R4.1.82SWCD	Rel. 4.1.82 Feature Pkg., CD, Right To Use License
15454-R4.1.82SWCD=	Rel. 4.1.82 Feature Pkg., CD, Right To Use License
15454-R4.6.4SW-B1=	BellSouth Rel. 4.6.4 Feature Pkg., CD, Ver. 1 config (RTU)
15454-R4.6.4SWCD	Rel. 4.6.4 Feature Pkg., CD, Right To Use License
15454-R4.6.4SWCD=	Rel. 4.6.4 Feature Pkg., CD, Right To Use License
15454-R5.0.0SW-B1=	BellSouth Rel. 5.0.0 Feature Pkg., CD, Ver. 1 config
15454-R5.0.0SWCD	Rel. 5.0.0 Feature Pkg., CD

End-of-Sale Product Part Number	Product Description
15454-R5.0.0SWCD=	Rel. 5.0.0 Feature Pkg., CD
15454-R5.0.3SWCD=	Rel. 5.0.3 Feature Pkg., CD, Right to Use License
15454-R5.0.8SWK9	Rel. 5.0.8 Feature Pkg., CD, Right To Use License
15454-R6.0.0SW-B1=	BellSouth Rel. 6.0.0 Feature Pkg., CD, Ver. 1 config (RTU)
15454-R6.0.0SWCD	Rel. 6.0.0 Feature Pkg., CD
15454-R6.0.0SWCD=	Rel. 6.0.0 Feature Pkg., CD
15454-R6.0.1SWK9	Rel. 6.0.1 Feature Pkg., CD, Right to Use License
15454-R6.0.1SWK9=	Rel. 6.0.1 Feature Pkg., CD, Right to Use License
15454-R6.2.2SWK9	Rel. 6.2.2 Feature Pkg., CD, Right to Use License
15454-R7.0.2K9-B1=	BellSouth Rel. 7.0.2 Feature Pkg., CD, Ver. 1 config (RTU)
15454-R7.0.7SWK9	Rel. 7.0.7 Feature Pkg., CD, Right To Use License
15454-R7.0.7SWK9=	Rel. 7.0.7 Feature Pkg., CD, Right To Use License
15454-R7.2.3SWK9	Rel. 7.2.3 Feature Pkg., CD, Right To Use License
15454-R7.2.3SWK9=	Rel. 7.2.3 Feature Pkg., CD, Right To Use License
15454-R8.5.0SWK9	Rel. 8.5.0 Feature Pkg., CD, Right To Use License
15454-R8.5.0SWK9=	Rel. 8.5.0 Feature Pkg., CD, Right To Use License
15454-R8.5.1K9-B1=	ATT-SE Rel. 8.5.1 Feature Pkg., CD, Ver. 1 config
15454-R8.5.1SWK9	Rel. 8.5.1 Feature Pkg., CD, Right To Use License
15454-R8.5.1SWK9=	Rel. 8.5.1 Feature Pkg., CD, Right To Use License
15454-R8.5.3K9-B1=	ATT-SE Rel. 8.5.3 Feature Pkg., CD, Ver. 1 config
15454-R8.5.4K9-B1=	ATT-SE Rel. 8.5.4 Feature Pkg., CD, Ver. 1 config
15454-R8.5.4SWK9	Rel. 8.5.4 Feature Pkg., CD, Right To Use License
15454-R8.5.4SWK9=	Rel. 8.5.4 Feature Pkg., CD, Right To Use License
15454-R8.6.0SWK9	Rel. 8.6.0 Feature Pkg., CD, Right To Use License
15454-R8.6.0SWK9=	Rel. 8.6.0 Feature Pkg., CD, Right To Use License
15454-R8.6.1SWK9	Rel. 8.6.1 Feature Pkg., CD, Right To Use License
15454-R8.6.1SWK9=	Rel. 8.6.1 Feature Pkg., CD, Right To Use License
15454-R9.0.0K9-B1=	ATT-SE Rel. 9.0.0 Feature Pkg., CD, Ver. 1 config
15454-R9.0.0SWK9	Rel. 9.0.0 Feature Pkg., CD, Right To Use License
15454-R9.0.0SWK9=	Rel. 9.0.0 Feature Pkg., CD, Right To Use License
15454-R9.0.2SWK9	Rel. 9.0.2 Feature Pkg., CD, Right To Use License
15454-R9.0.2SWK9=	Rel. 9.0.2 Feature Pkg., CD, Right To Use License
15454-R9.0.3SWK9	Rel. 9.0.3 Feature Pkg., CD, Right To Use License
15454-R9.0.3SWK9=	Rel. 9.0.3 Feature Pkg., CD, Right To Use License
15454-R9.1.0SWK9	15454 ANSI MSTP-MSPP Rel. 9.1.0 Feature Pkg., CD, RTU LIC
15454-R9.1.0SWK9=	15454 ANSI MSTP-MSPP Rel. 9.1.0 Feature Pkg., CD, RTU LIC
15454-R9.2.0K9-A=	15454 MSTP, MSPP ANSI Rel. 9.2.0 Feature Pkg, DVD, RTU LIC-ATT
15454-R9.2.0SWK9	15454 ANSI MSTP, MSPP Rel. 9.2.0 Feature Pkg, DVD, RTU LIC
15454-R9.2.0SWK9=	15454 ANSI MSTP, MSPP Rel. 9.2.0 Feature Pkg, DVD, RTU LIC
15454-R9.2.1K9-A=	15454 MSTP-MSPP Rel. 9.2.1 Feature Pkg., DVD, RTU-ATT
15454-R9.2.1SWK9	15454 ANSI MSTP-MSPP Rel. 9.2.1 Feature Pkg., DVD, RTU Lic
15454-R9.2.1SWK9=	15454 ANSI MSTP-MSPP Rel. 9.2.1 Feature Pkg., DVD, RTU Lic
15454-R9.2.2K9-A=	15454 ANSI MSTP Rel 9.2.2 Feature Pkg, DVD, RTU License-AT&T

End-of-Sale Product Part Number	Product Description
15454-R9.2.2SWK9	15454 ANSI MSTP Rel 9.2.2 Feature Pkg, DVD, RTU License
15454-R9.2.2SWK9=	15454 ANSI MSTP Rel 9.2.2 Feature Pkg, DVD, RTU License
15454-R9.2.3K9-A=	15454 ANSI MSTP-MSPP Rel. 9.2.3 Pkg, DVD, RTU Lic -AT&T
15454-R9.2.3SWK9	15454 ANSI MSTP-MSPP Rel. 9.2.3 Feature Pkg., DVD, RTU Lic
15454-R9.2.3SWK9=	15454 ANSI MSTP-MSPP Rel. 9.2.3 Feature Pkg., DVD, RTU Lic
15454-R9.3.0SWK9	15454 ANSI MSTP Rel. 9.3.0 Pkgs., DVD, RTU License
15454-R9.3.0SWK9=	15454 ANSI MSTP Rel. 9.3.0 Pkgs., DVD, RTU License
15454-R9.4.0SWK9	15454 ANSI ETSI MSTP Rel. 9.4.0 Pkgs., DVD, RTU License
15454-R9.4.0SWK9=	15454 ANSI ETSI MSTP Rel. 9.4.0 Pkgs., DVD, RTU License
15454-R9.6.0SWK9	15454 ANSI ETSI MSTP Rel. 9.6.0 Pkgs., DVD, RTU License
15454-R9.6.0SWK9=	15454 ANSI ETSI MSTP Rel. 9.6.0 Pkgs., DVD, RTU License
15454C-LIC-9.4.0K9	15454 ANSI MSTP-WSON Upgrade License for 9.4.0, Right To Use
15454C-LIC-9.6.0K9	15454 ANSI ETSI MSTP-WSON Upgrade Lic 9.6.0, Right To Use
15454C-R9.4.0SWK9	15454 ANSI ETSI MSTP-WSON Rel. 9.4.0 Pkgs, DVD, RTU License
15454C-R9.4.0SWK9=	15454 ANSI ETSI MSTP-WSON Rel 9.4.0 Pkgs, DVD, RTU License
15454C-R9.6.0SWK9	15454 ANSI ETSI MSTP-WSON Rel. 9.6.0 Pkgs, DVD, RTU License
15454C-R9.6.0SWK9=	15454 ANSI ETSI MSTP-WSON Rel 9.6.0 Pkgs, DVD, RTU License
15454E-DOC5.0.2CD	Sys. Doc. Rel. 5.0.2 English, CD
15454E-DOC5.0.2CD=	Sys. Doc. Rel. 5.0.2 English, CD
15454E-DOC6.0.0CD	Sys. Doc. Rel. 6.0.0 English, CD
15454E-DOC6.0.0CD=	Sys. Doc. Rel. 6.0.0 English, CD
15454E-DOC7.0.0CD	Sys. Doc. Rel. 7.0.0 English, CD
15454E-DOC7.0.0CD=	Sys. Doc. Rel. 7.0.0 English, CD
15454E-LIC-8.6.1K9	15454E Upgrade License for R8.6.1, Right to Use License
15454E-LIC-9.2.1K9	15454 ETSI MSTP and MSPP Upgrade License for 9.2.1, Right To
15454E-LIC-9.2.2K9	15454 ETSI MSTP Upgrade License for 9.2.2, RTU License
15454E-LIC-9.2.3K9	15454 ETSI MSTP-MSPP Upgrade License for 9.2.3, RTU Lic
15454E-LIC-9.4.0K9	15454 ETSI MSTP Upgrade License for 9.4.0, Right To Use
15454E-R4.6.6SWK9	Rel. 4.6.6 Feature Pkg., CD, Right to Use License
15454E-R5.0.6SWK9	Rel. 5.0.6 Feature Pkg., CD, Right To Use License
15454E-R6.0.0SWCD	Rel. 6.0.0 Feature Pkg., CD
15454E-R6.0.0SWCD=	Rel. 6.0.0 Feature Pkg., CD
15454E-R6.1.0SWK9=	Rel. 6.1.0 Feature Pkg., CD, Right to Use License
15454E-R6.2.0VK9=	Rel. 6.2.0 Feature Pkg. w/ ML Version-Up, CD, (RTU)
15454E-R6.2.2SWK9	Rel. 6.2.2 Feature Pkg., CD, Right to Use License
15454E-R6.2.2SWK9=	Rel. 6.2.2 Feature Pkg., CD, Right to Use License
15454E-R6.2.2VK9=	Rel. 6.2.2 Feature Pkg. w/ ML Version-Up, CD, (RTU)
15454E-R7.0.1SWK9	NOT USED Rel. 7.0.1 Feature Pkg., CD, RTU
15454E-R7.0.5SWK9	Rel. 7.0.5 Feature Pkg., CD, Right To Use License
15454E-R7.0.5SWK9=	Rel. 7.0.5 Feature Pkg., CD, Right To Use License
15454E-R7.0.7SWK9	Rel. 7.0.7 Feature Pkg., CD, Right To Use License
15454E-R7.0.7SWK9=	Rel. 7.0.7 Feature Pkg., CD, Right To Use License
15454E-R7.2.0SWK9	Rel. 7.2.0 Feature Pkg., CD, Right to Use License

End-of-Sale Product Part Number	Product Description
15454E-R7.2.0SWK9=	Rel. 7.2.0 Feature Pkg., CD, Right to Use License
15454E-R7.2.2SWK9	Rel. 7.2.2 Feature Pkg., CD, Right to Use License
15454E-R7.2.2SWK9=	Rel. 7.2.2 Feature Pkg., CD, Right to Use License
15454E-R7.2.3SWK9	Rel. 7.2.3 Feature Pkg., CD, Right To Use License
15454E-R7.2.3SWK9=	Rel. 7.2.3 Feature Pkg., CD, Right To Use License
15454E-R8.0.0SWK9	Rel. 8.0.0 Feature Pkg., CD, Right To Use License
15454E-R8.5.0SWK9	Rel. 8.5.0 Feature Pkg., CD, Right To Use License
15454E-R8.5.0SWK9=	Rel. 8.5.0 Feature Pkg., CD, Right To Use License
15454E-R8.5.0VK9=	SBB Rel. 8.5.0 Feature Pkg.w/deferred G1K upgrade, CD, (RTU)
15454E-R8.5.1SWK9	Rel. 8.5.1 Feature Pkg., CD, Right To Use License
15454E-R8.5.1SWK9=	Rel. 8.5.1 Feature Pkg., CD, Right To Use License
15454E-R8.5.2SWK9	Rel. 8.5.2 Feature Pkg., CD, Right To Use License
15454E-R8.5.2SWK9=	Rel. 8.5.2 Feature Pkg., CD, Right To Use License
15454E-R8.5.2VK9=	SBB Rel. 8.5.2 Feature Pkg.w/deferred G1K upgrade, CD, (RTU)
15454E-R8.5.3SWK9	Rel. 8.5.3 Feature Pkg., CD, Right To Use License
15454E-R8.5.3SWK9=	Rel. 8.5.3 Feature Pkg., CD, Right To Use License
15454E-R8.5.4SWK9	Rel. 8.5.4 Feature Pkg., CD, Right To Use License
15454E-R8.5.4SWK9=	Rel. 8.5.4 Feature Pkg., CD, Right To Use License
15454E-R8.6.0SWK9	Rel. 8.6.0 Feature Pkg., CD, Right To Use License
15454E-R8.6.0SWK9=	Rel. 8.6.0 Feature Pkg., CD, Right To Use License
15454E-R8.6.1SWK9	Rel. 8.6.1 Feature Pkg., CD, Right To Use License
15454E-R8.6.1SWK9=	Rel. 8.6.1 Feature Pkg., CD, Right To Use License
15454E-R9.0.0SWK9	Rel. 9.0.0 Feature Pkg., CD, Right To Use License
15454E-R9.0.0SWK9=	Rel. 9.0.0 Feature Pkg., CD, Right To Use License
15454E-R9.0.1SWK9	Rel. 9.0.1 Feature Pkg., CD, Right To Use License
15454E-R9.0.1SWK9=	Rel. 9.0.1 Feature Pkg., CD, Right To Use License
15454E-R9.0.2SWK9	Rel. 9.0.2 Feature Pkg., CD, Right To Use License
15454E-R9.0.2SWK9=	Rel. 9.0.2 Feature Pkg., CD, Right To Use License
15454E-R9.1.0SWK9	15454 ETSI MSTP, MSPP Rel. 9.1.0 Feature Pkg., CD, RTU
15454E-R9.1.0SWK9=	15454 ETSI MSTP, MSPP Rel. 9.1.0 Feature Pkg., CD, RTU
15454E-R9.2.0SWK9	15454 ETSI MSTP, MSPP Rel. 9.2.0 Feature Pkg, DVD, RTU LIC
15454E-R9.2.0SWK9=	15454 ETSI MSTP, MSPP Rel. 9.2.0 Feature Pkg, DVD, RTU LIC
15454E-R9.2.1SWK9	15454 ETSI MSTP and MSPP Rel. 9.2.1 Feature Pkg., DVD, Right
15454E-R9.2.1SWK9=	15454 ETSI MSTP AND MSPP Rel. 9.2.1 Feature Pkg., DVD, Right
15454E-R9.2.2SWK9	15454 ETSI MSTP Rel. 9.2.2 Feature Pkg., DVD, RTU License
15454E-R9.2.2SWK9=	15454 ETSI MSTP Rel. 9.2.2 Feature Pkg., DVD, RTU License
15454E-R9.2.3SWK9	15454 ETSI MSTP-MSPP Rel. 9.2.3 Feature Pkg., DVD, RTU Lic
15454E-R9.2.3SWK9=	15455 ETSI MSTP-MSPP Rel. 9.2.3 Feature Pkg., DVD, RTU Lic
15454E-R9.3.0SWK9	15454 ETSI MSTP Rel. 9.3.0 Pkgs., DVD, RTU License
15454E-R9.3.0SWK9=	15454 ETSI MSTP Rel. 9.3.0 Pkgs., DVD, RTU License
15454EC-LIC9.4.0K9	15454 ETSI MSTP-WSON Upgrade License for 9.4.0, Right To Use
LL-ONS-15454	ONS 15454 Feature Package License
SF15454-R2.3.5	Rel. 2.3.5 SW, Pre-loaded on TCC

End-of-Sale Product Part Number	Product Description
SF15454-R4.1.1-B1	BellSouth Rel. 4.1.1 SW, Preloaded on TCC, Ver. 1 config
SF15454-R4.1.2-B1	BellSouth Rel. 4.1.2 SW, Preloaded on TCC, Ver. 1 config
SF15454-R4.1.82	Rel. 4.1.82 SW, Pre-loaded on TCC
SF15454-R4.6.4	Rel. 4.6.4 SW, Pre-loaded on TCC
SF15454-R4.6.4-B1	BellSouth Rel. 4.6.4 SW, Preloaded on TCC, Ver. 1 config
SF15454-R5.0.0	Rel. 5.0.0 SW, Pre-loaded on TCC
SF15454-R5.0.0-B1	BellSouth Rel. 5.0.0 SW, Preloaded on TCC, Ver. 1 config
SF15454-R5.0.8K9	Rel. 5.0.8 SW, Pre-loaded on TCC
SF15454-R6.0.0	Rel. 6.0.0 SW, Pre-loaded on XTC
SF15454-R6.0.0-B1	BellSouth Rel. 6.0.0 SW, Preloaded on TCC, Ver. 1 config
SF15454-R6.0.1K9	Rel. 6.0.1 SW, Pre-loaded on TCC
SF15454-R6.2.0K9	Rel. 6.2.0 SW, Pre-loaded on TCC
SF15454-R6.2.2K9	Rel. 6.2.2 SW, Pre-loaded on TCC
SF15454-R6.2.2K9B1	BellSouth Rel. 6.2.2 SW, Preloaded on TCC, Ver. 1 config
SF15454-R7.0.2K9B1	BellSouth Rel. 7.0.2 SW, Preloaded on TCC, Ver. 1 config
SF15454-R7.0.7K9	Rel. 7.0.7 SW, Pre-loaded on TCC
SF15454-R7.2.3K9	Rel. 7.2.3 SW, Pre-loaded on TCC
SF15454-R8.5.0K9	Rel. 8.5.0 SW, Pre-loaded on TCC
SF15454-R8.5.0K9B1	ATT-SE Rel. 8.5.0 SW, Pre-loaded on TCC
SF15454-R8.5.1K9B1	ATT-SE Rel. 8.5.1 SW, Pre-loaded on TCC
SF15454-R8.5.3K9B1	ATT-SE Rel. 8.5.3 SW, Pre-loaded on TCC
SF15454-R8.5.4K9	Rel. 8.5.4 SW, Pre-loaded on TCC
SF15454-R8.5.4K9B1	ATT-SE Rel. 8.5.4 SW, Pre-loaded on TCC
SF15454-R8.6.0K9	Rel. 8.6.0 SW, Pre-loaded on TCC
SF15454-R8.6.1K9	Rel. 8.6.1 SW, Pre-loaded on TCC
SF15454-R9.0.0K9B1	ATT-SE Rel. 9.0.0 SW, Pre-loaded on TCC
SF15454-R9.0.2K9	Rel. 9.0.2 SW, Pre-loaded on TCC
SF15454-R9.0.3K9	Rel. 9.0.3 SW, Pre-loaded on TCC
SF15454-R9.1.0K9	15454 ANSI MSPP-MSTP Rel. 9.1.0 SW, Pre-loaded on TCC
SF15454-R9.2.0K9	15454 ANSI MSPP Rel. 9.2.0 SW, Pre-loaded on TCC2P and TCC3
SF15454-R9.2.0K9A	15454 MSPP ANSI Rel. 9.2.0 SW, Pre-loaded on TCC2P, TCC3-ATT
SF15454-R9.2.1K9	15454 ANSI MSPP Rel. 9.2.1 SW, Pre-loaded on TCC
SF15454-R9.2.1K9A	15454 MSPP ANSI Rel. 9.2.1 SW, Pre-loaded on TCC - ATT
SF15454-R9.2.3K9	15454 ANSI MSPP Rel. 9.2.3 SW, Pre-loaded on TCC2P, TCC3
SF15454-R9.2.3K9A	15454 ANSI MSPP Rel. 9.2.3 SW, Pre-loaded on TCC2P, TCC3-AT&T
SF15454-W7.0.3K9	Rel. 7.0.3 SW, MSTP, Pre-loaded on TCC, DWDM ONLY DEPLOYMENTS
SF15454E-R4.6.6K9	Rel. 4.6.6 SW, Pre-loaded on TCC
SF15454E-R5.0.6K9	Rel. 5.0.6 SW, Pre-loaded on TCC
SF15454E-R6.0.0	Rel. 6.0.0 SW, Pre-loaded on XTC
SF15454E-R6.2.2K9	Rel. 6.2.2 SW, Pre-loaded on TCC
SF15454E-R7.0.1K9	Rel. 7.0.1 SW, MSTP, Pre-loaded on TCC, DWDM ONLY DEPLOYMENTS
SF15454E-R7.0.5K9	Rel. 7.0.5 SW, Pre-loaded on TCC
SF15454E-R7.0.7K9	Rel. 7.0.7 SW, Pre-loaded on TCC

End-of-Sale Product Part Number	Product Description
SF15454E-R7.2.0K9	Rel. 7.2.0 SW, Pre-loaded on TCC
SF15454E-R7.2.2K9	Rel. 7.2.2 SW, Pre-loaded on TCC
SF15454E-R7.2.3K9	Rel. 7.2.3 SW, Pre-loaded on TCC
SF15454E-R8.0.0K9	Rel. 8.0.0 SW, Pre-loaded on TCC
SF15454E-R8.5.0K9	Rel. 8.5.0 SW, Pre-loaded on TCC
SF15454E-R8.5.1K9	Rel. 8.5.1 SW, Pre-loaded on TCC
SF15454E-R8.5.2K9	Rel. 8.5.2 SW, Pre-loaded on TCC
SF15454E-R8.5.3K9	Rel. 8.5.3 SW, Pre-loaded on TCC
SF15454E-R8.5.4K9	Rel. 8.5.4 SW, Pre-loaded on TCC
SF15454E-R8.6.0K9	Rel. 8.6.0 SW, Pre-loaded on TCC
SF15454E-R8.6.1K9	Rel. 8.6.1 SW, Pre-loaded on TCC
SF15454E-R9.0.0K9	Rel. 9.0.0 SW, Pre-loaded on TCC
SF15454E-R9.0.1K9	Rel. 9.0.1 SW, Pre-loaded on TCC
SF15454E-R9.0.2K9	Rel. 9.0.2 SW, Pre-loaded on TCC
SF15454E-R9.1.0K9	15454E MSPP and MSTP Rel. 9.1.0 SW, Pre-loaded on TCC
SF15454E-R9.2.0K9	15454 ETSI MSPP Rel. 9.2.0 SW, Pre-loaded on TCC2P and TCC3
SF15454E-R9.2.1K9	15454E MSPP Rel. 9.2.1 SW, Pre-loaded on TCC
SF15454E-R9.2.3K9	15454E ETSI MSPP Rel. 9.2.3 SW, Pre-loaded on TCC2P, TCC3
SF15454E-W7.0.3K9	Rel. 7.0.3 SW, MSTP, Pre-loaded on TCC, DWDM ONLY DEPLOYMENTS
SF15454M-R9.2.0K9	15454 ANSI MSTP Rel. 9.2.0 SW, Pre-loaded, TCC2P, TCC3, TNC, TSC
SF15454M-R9.2.0K9A	15454 MSTP ANSI Rel. 9.2.0 SW, Pre-loaded on TCC2P, TCC3-ATT
SF15454M-R9.2.1K9	15454 ANSI MSTP Rel. 9.2.1 SW, Pre-loaded on TCC2P, TCC3, TN
SF15454M-R9.2.1K9A	15454 MSTP ANSI Rel. 9.2.1 SW, Pre-loaded on TCC2P and TCC3
SF15454M-R9.2.2K9	15454 ANSI MSTP Rel.9.2.2 SW Pre-loaded on TCC2P, TCC3, TNC, TSC
SF15454M-R9.2.2K9A	15454 ANSI MSTP Rel 9.2.2 SW, Pre-loaded on TCC2P, TCC3 -AT&T
SF15454M-R9.2.3K9	15454 ANSI MSTP Rel 9.2.3 SW, Pre-loaded TCC2P, TCC3, TNCE, TSCE
SF15454M-R9.2.3K9A	15454 ANSI MSTP R9.2.3 SW, Pre-load TCC2P, TCC3, TNCE, TSCE-AT&T
SF15454M-R9.3.0K9	15454 ANSI MSTP R9.3.0 SW, Pre-loaded on TCC3, TNC/E, TSC/E
SF15454M-R9.4.0K9	15454 ANSI MSTP R9.4.0 SW, Pre-loaded on TCC3, TNC/E, TSC/E
SF15454M-R9.6.0K9	15454 ANSI MSTP R9.6.0 SW, Pre-loaded on TCC3, TNC/E, TSC/E
SF15454M-R9.8.0K9	15454 ANSI MSTP R9.8.0 SW, Pre-loaded on TCC3, TNC/E, TSC/E
SF15454MC-R9.4.0K9	15454 ANSI MSTP R9.4.0SW-WSON, Preload TCC3, TNC, TNCE, TSC, TSCE
SF15454MC-R9.6.0K9	15454 ANSI MSTP R9.6.0SW-WSON, Preload TCC3, TNC, TNCE, TSC, TSCE
SF15454MC-R9.8.0K9	15454 ANSI MSTP R9.8.0SW-WSON, Preload TCC3, TNC, TNCE, TSC, TSCE
SF15454MC9.6.0K9A	ANSI MSTP-WSON 9.6.0SW, Preloaded onTCC3, TNC/E, TSC/E-AT&T
SF15454ME-R9.2.0K9	15454 ETSI MSTP Rel. 9.2.0 SW, Pre-loaded, TCC2P, TCC3, TNC, TSC
SF15454ME-R9.2.1K9	15454 ETSI MSTP Rel. 9.2.1 SW, Pre-loaded on TCC2P, TCC3, TN
SF15454ME-R9.2.2K9	15454 ETSI MSTP Rel.9.2.2 SW Pre-loaded on TCC2P, TCC3, TNC, TSC
SF15454ME-R9.2.3K9	15454 ETSI MSTP Rel 9.2.3 SW, Pre-loaded TCC2P, TCC3, TNCE, TSCE
SF15454ME-R9.3.0K9	15454 ETSI MSTP R9.3.0 SW, Pre-loaded on TCC3, TNC/E, TSC/E
SF15454ME-R9.4.0K9	15454 ETSI MSTP R9.4.0 SW, Pre-loaded on TCC3, TNC/E, TSC/E
SF15454ME-R9.6.0K9	15454 ETSI MSTP R9.6.0 SW, Pre-loaded on TCC3, TNC/E, TSC/E
SF15454ME-R9.8.0K9	15454 ETSI MSTP R9.8.0 SW, Pre-loaded on TCC3, TNC/E, TSC/E

End-of-Sale Product Part Number	Product Description
<b>SF15454MECR9.4.0K9</b>	15454 ETSI MSTP R9.4.0SW-WSON, Preload TCC3, TNC, TNCE, TSC, TSCE
<b>SF15454MECR9.6.0K9</b>	15454 ETSI MSTP R9.6.0SW-WSON, Preload TCC3, TNC, TNCE, TSC, TSCE
<b>SF15454MECR9.8.0K9</b>	15454 ETSI MSTP R9.8.0SW-WSON, Preload TCC3, TNC, TNCE, TSC, TSCE
<b>SF15454W-R9.3.0K9</b>	15454 ANSI MSTP Rel. 9.3.0 SW, Pre-loaded on TCC2P or TCC3
<b>SF15454W-R9.4.0K9</b>	15454 ANSI MSTP Rel. 9.4.0 SW, Pre-loaded on TCC2P or TCC3
<b>SF15454W-R9.6.0K9</b>	15454 ANSI MSTP Rel. 9.6.0 SW, Pre-loaded on TCC2P or TCC3
<b>SF15454W-R9.8.0K9</b>	15454 ANSI MSTP Rel. 9.8.0 SW, Pre-loaded on TCC2P
<b>SF15454WC-R9.4.0K9</b>	15454 ANSI MSTP Rel. 9.4.0 SW-WSON, Pre-loaded on TCC2P-TCC3
<b>SF15454WC-R9.6.0K9</b>	15454 ANSI MSTP Rel. 9.6.0 SW-WSON, Pre-loaded on TCC2P-TCC3
<b>SF15454WC-R9.8.0K9</b>	15454 ANSI MSTP Rel. 9.8.0 SW-WSON, Pre-loaded on TCC2P
<b>SF15454WC9.6.0K9A</b>	ANSI MSTP-WSON 9.6.0 SW, Preloaded on TCC2P, TCC3-AT&T
<b>SF15454WE-R9.3.0K9</b>	15454 ETSI MSTP Rel. 9.3.0 SW, Pre-loaded on TCC2P or TCC3
<b>SF15454WE-R9.4.0K9</b>	15454 ETSI MSTP Rel. 9.4.0 SW, Pre-loaded on TCC2P or TCC3
<b>SF15454WE-R9.6.0K9</b>	15454 ETSI MSTP Rel. 9.6.0 SW, Pre-loaded on TCC2P or TCC3
<b>SF15454WE-R9.8.0K9</b>	15454 ETSI MSTP Rel. 9.8.0 SW, Pre-loaded on TCC2P
<b>SF15454WECR9.4.0K9</b>	15454 ETSI MSTP Rel. 9.4.0 SW-WSON, Preload on TCC2P, TCC3
<b>SF15454WECR9.6.0K9</b>	15454 ETSI MSTP Rel. 9.6.0 SW-WSON, Preload on TCC2P, TCC3
<b>SF15454WECR9.8.0K9</b>	15454 ETSI MSTP Rel. 9.8.0 SW-WSON, Preload on TCC2P

## Product Migration Options

There is no replacement available for the Cisco Multiservice Provisioning Platform SW & HW and Multiservice Transport Platform SW at this time.

Customers are encouraged to migrate to the Cisco NCS4200 platform. Information about this product can be found at: <https://www.cisco.com/c/en/us/products/optical-networking/network-convergence-system-4200-series/index.html>. The details on relevance of TDM to IP migration can be found at: <https://www.cisco.com/c/dam/en/us/products/collateral/optical-networking/network-convergence-system-4200-series/brochure-c02-737603.pdf>. We currently have an attractive promotional offer to help you in the legacy SONET/TDM infrastructure using NCS4200. [Click here](#) to learn about the offer in the optical section in sales connect. If you are a customer, please reach out to your partner to learn more.

Customers may be able to use the Cisco Technology Migration Program (TMP) where applicable to trade-in eligible products and receive credit toward the purchase of new Cisco equipment. For more information about Cisco TMP, customers should work with their Cisco Partner or Cisco account team. Cisco Partners can find additional TMP information on Partner Central at: [https://www.cisco.com/web/partners/incentives\\_and\\_promotions/tmp.html](https://www.cisco.com/web/partners/incentives_and_promotions/tmp.html).

Customers may be able to continue to purchase the Cisco Multiservice Provisioning Platform SW & HW and Multiservice Transport Platform SW through the Cisco Certified Refurbished Equipment program. Refurbished units may be available in limited supply for sale in certain countries on a first-come, first-served basis until the Last Date of Support has been reached. For information about the Cisco Certified Refurbished Equipment program, go to: <https://www.cisco.com/go/eos>.

Service prices for Cisco products are subject to change after the product End of Sale date.

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The Cisco Takeback and Recycle program helps businesses properly dispose of surplus products that have reached their end of useful life. The program is open to all business users of Cisco equipment and its associated brands and subsidiaries. For more information, go to:

[https://www.cisco.com/web/about/ac227/ac228/ac231/about\\_cisco\\_takeback\\_recycling.html](https://www.cisco.com/web/about/ac227/ac228/ac231/about_cisco_takeback_recycling.html).

### For More Information

For more information about the Cisco End-of-Life Policy, go to:

[https://www.cisco.com/en/US/products/products\\_end-of-life\\_policy.html](https://www.cisco.com/en/US/products/products_end-of-life_policy.html).

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**Americas Headquarters**  
Cisco Systems, Inc.  
San Jose, CA

**Asia Pacific Headquarters**  
Cisco Systems (USA) Pte. Ltd.  
Singapore

**Europe Headquarters**  
Cisco Systems International BV Amsterdam,  
The Netherlands

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