



ISSUED: August 2, 2023

End of Product Sale Notification for Network Wide Licensing

Ribbon Communications, Inc. (“Ribbon”) is announcing the End of Product Sale (EoPS) dates for Network Wide Licenses (NWL) as applied to Ribbon SBC Core (SBC 5400, SBC 7000 and SBC SWe), PSX SWe, and Insight EMS (Element Management System) products for feature activation.

As a replacement for NWL, Ribbon is introducing MDL (Multiyear Domain Locked Licensing) as a cost-effective shared device licensing model for Ribbon’s Cloud & Edge products. MDL is tailored to Ribbon Communications Cloud & Edge products where:

1. Nodes under management offer services in an efficient manner through the “sharing” of licensed features;
2. Nodes may be instantiated and torn down dynamically based on traffic and other customer-selected parameters without impact to the “shared” licensed features;
3. Nodes may offer services without being constrained by actual licensed features; rather, customers may pay later upon recognition of any overages.

As an alternative to MDL, customers may also choose to replace NWL with NWDL (Network Wide Domain Locked Licensing).

Customers with active maintenance agreements are recommended to update their purchasing practices to order MDL (or NWDL) as the replacement to both NWL after the Last Time Buy date below. Please refer to the license replacement tables presented below regarding the mapping of MDL or NWDL to the EoPS NWL.

PRODUCT LIFE CYCLE DATES

Milestone	Date
End of Product Sale Announcement: Date on which Ribbon has announced EoPS	August 2, 2023
Last Time Buy: Last date on which NWL licenses can be purchased	November 30, 2023

FREQUENTLY ASKED QUESTIONS

Question	Answer
What action should be taken by customers?	Ribbon recommends that customers work with their Ribbon Account Manager or Channel Account Manager to plan their migration from their existing NWL license deployment to domain-based licensing.
How does this EoPS notice relate to the EoPS of the EMS and the required migration to RAMP?	This EoPS defines the need to replace NWL for any deployed EMS to facilitate the migration to RAMP.
May I migrate from NWL to NWDL versus MDL?	Yes, NWDL is an available alternative to MDL.
What shared network licensing will be supported by RAMP?	RAMP supports domain locked licensing models for Multiyear Domain Locked Licensing (MDL) and Network Wide Domain Locked Licensing (NWDL).
Where can I find the details on Ribbon's software support policy?	Refer to end of product sale policy for details on Ribbon's software release cadence and support policy. https://ribboncommunications.com/company/company-policies/policies/product-life-cycle-policy
Where can I get more information on MDL & NWDL?	Please contact your Ribbon Account Manager or Channel Account Manager for more information.
Where can I get more information on the existing Domain Locked Licensing models?	Click NWDL for more information.

EoPS NWL PRODUCT CODES & REPLACEMENT MDL PRODUCT CODES

EoPS NWL (Network Wide License) Product Code	Description	Replacement MDL (Multiyear Domain Locked License) Product Code	Description
NWLM-BASE	NETWORK WIDE MANAGEMENT BASE LICENSE	RAMP-5MDLM-BASE	RAMP 5 YEAR MULTIYEAR DOMAIN LOCKED MANAGEMENT BASE LICENSE
NWLM-BASE-GR	NETWORK WIDE MANAGEMENT GEOGRAPHIC REDUNDANCY BASE LICENSE	RAMP-5MDLM-BASE-GR	RAMP 5 YEAR MULTIYEAR DOMAIN LOCKED MANAGEMENT GEOGRAPHIC REDUNDANCY BASE LICENSE
NWLM-BASE-HA	NETWORK WIDE MANAGEMENT HIGH AVAILABILITY BASE LICENSE	RAMP-5MDLM-BASE-HA	RAMP 5 YEAR MULTIYEAR LICENSE MANAGEMENT HIGH AVAILABILITY BASE LICENSE
NWLM-CPS*¹	NETWORK WIDE MANAGEMENT LICENSE FOR NETWORK WIDE PSX; * ² - * CPS; SOLD IN BLOCKS OF 10	RAMP-5MDLM-CPS*	5 YEAR MULTIYEAR DOMAIN LOCKED MANAGEMENT LICENSE FOR PSX; * - * CPS; SOLD IN BLOCKS OF 10
NWLM-LIC*	NETWORK WIDE MANAGEMENT LICENSE FOR NETWORK WIDE SBC 5K/7K/SWE; * - * SESSIONS; SOLD IN BLOCKS OF 25	RAMP-5MDLM-LIC*	5 YEAR MULTIYEAR DOMAIN LOCKED MANAGEMENT LICENSE FOR CORE & EDGE SBC; * - * SESSIONS; SOLD IN BLOCKS OF 25
NWLM-LIC*-HA*	NETWORK WIDE MANAGEMENT LICENSE FOR HA NETWORK WIDE SBC 5K/7K/SWE; * - * SESSIONS; SOLD IN BLOCKS OF 25	RAMP-5MDLM-LIC*-HA	5 YEAR MULTIYEAR DOMAIN LOCKED MANAGEMENT LICENSE FOR HA CORE & EDGE SBC; * - * SESSIONS; SOLD IN BLOCKS OF 25

¹ The * represents such character values as 1 → 7, -N, -NWL, -UPG, and combinations of the aforementioned.

² The * - * represents a range of CPS or sessions e.g. 10 – 100 CPS, 1000 – 2000 sessions, etc.

EoPS NWL (Network Wide License) Product Code	Description	Replacement MDL (Multiyear Domain Locked License) Product Code	Description
POL-*-PSX*-*	NETWORK WIDE LICENSE FOR CENTRAL PSX ACCESS ON CORE SBC. SESSIONS SOLD IN BLOCKS OF 25	POL-C-PSX-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED LICENSE FOR CENTRAL PSX ACCESS ON CORE SBC. SESSIONS SOLD IN BLOCKS OF 25
SBC-C-AERE*	NETWORK WIDE LICENSE FOR ADVANCED ERE ON CORE SBC. SESSIONS SOLD IN BLOCKS OF 25	SBC-C-AERE-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED LICENSE FOR ADVANCED ERE ON CORE SBC. SESSIONS SOLD IN BLOCKS OF 25
SBC-C-CDMA*	NETWORK WIDE CODEC UPG LICENSE FOR EVRC USE ON CORE SBC. SESSIONS SOLD IN BLKS OF 25	SBC-C-CDMA-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED CODEC UPGRADE LICENSE FOR EVRC USE ON CORE SBC. SESSIONS SOLD IN BLOCKS OF 25
SBC-C-ENC*	NETWORK WIDE ENCRYPTION LICENSE (TLS, IPSEC) FOR CORE SBC. SESSIONS SOLD IN BLOCKS OF 25	SBC-C-ENC-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED ENCRYPTED (TLS, IPSEC) TCP/UDP TRANSPORT LICENSE FOR CORE & EDGE SBC. ENCRYPTED CONNECTIONS SOLD IN BLOCKS OF 25
SBC-C-EVS-NWL	NETWORK WIDE CODEC LICENSE FOR EVS USE ON CORE SBC. SESSIONS SOLD IN BLKS OF 25	SBC-C-EVS-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED CODEC LICENSE FOR EVS USE ON CORE SBC. SESSIONS SOLD IN BLOCKS OF 25
SBC-C-LB-NWL	NETWORK WIDE ADD ON SECURE ONE ACCESS LOAD BALANCER SESSION LICENSE FOR CORE SBC. SESSIONS SOLD IN BLOCKS OF 25	SBC-C-LB-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED ADD ON SECURE ONE ACCESS LOAD BALANCER SESSION LICENSE FOR CORE SBC. SESSIONS SOLD IN BLOCKS OF 25
SBC-C-LIC*	NETWORK WIDE SESSION LICENSE FOR CORE SBC, * - * SESSIONS, SOLD IN BLOCKS OF 25	SBC-C-LIC*-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED SESSION LICENSE FOR CORE & EDGE SBC, * - * SESSIONS, SOLD IN BLOCKS OF 25

EoPS NWL (Network Wide License) Product Code	Description	Replacement MDL (Multiyear Domain Locked License) Product Code	Description
SBC-C-LIC*-HA-*	NETWORK WIDE SESSSION LICENSE FOR HA CORE SBC, * - * SESSIONS, SOLD IN BLOCKS OF 25	SBC-C-LIC*-HA-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED SESSION LICENSE FOR HA CORE & EDGE SBC, * - * SESSIONS, SOLD IN BLOCKS OF 25
SBC-C-NBGSM*	NETWORK WIDE CODEC UPG LICENSE FOR AMR-NB USE ON CORE SBC. SESSIONS SOLD IN BLKS OF 25	SBC-C-NBGSM-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED CODEC UPGRADE LICENSE FOR AMR-NB USE ON CORE SBC. SESSIONS SOLD IN BLOCKS OF 25
SBC-C-RCS-NWL	NETWORK WIDE LICENSE FOR OUT OF DIALOG SIP RCS TRANSACTIONS PER SECOND ON SBC SWE, SOLD IN BLOCKS OF 25	SBC-C-RCS-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED LICENSE FOR OUT OF DIALOG SIP RCS TRANSACTIONS PER SECOND ON SBC SWE, SOLD IN BLOCKS OF 25
SBC-C-RECORD*	NETWORK WIDE NICE OR SIPREC RECORDING SESSION LICENSE FOR SBC 5K/7K/SWE, * - * SESSIONS, SOLD IN BLOCKS OF 25	SBC-C-RECORD*-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED NICE OR SIPREC RECORDING SESSION LICENSE FOR CORE & EDGE SBC, * - * SESSIONS, SOLD IN BLOCKS OF 25
SBC-C-SILK*	NETWORK WIDE CODEC LICENSE FOR SILK USE ON CORE SBC. SESSIONS SOLD IN BLKS OF 25	SBC-C-SILK-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED CODEC LICENSE FOR SILK USE ON CORE & EDGE SBC. SESSIONS SOLD IN BLOCKS OF 25
SBC-C-LIC*-SIPI-*	NETWORK WIDE SIP-I SESSION ADDON LICENSE FOR SBC 5K/7K/SWE, SOLD IN BLOCKS OF 25	SBC-C-SIPI-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED SIP-I SESSION ADD-ON LICENSE FOR SBC 5K/7K/SWE, SOLD IN BLOCKS OF 25
SBC-C-SIPWEB-NWL	NETWORK WIDE SIP OVER WEB SOCKET LICENSE ON SBC SWE. SOLD IN BLOCKS OF 25	SBC-C-SIPWEB-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED SIP OVER WEBSOCKET SESSION LICENSE FOR USE ON CORE SBC. SESSIONS SOLD IN BLOCKS OF 25
SBC-C-SRTP*	NETWORK WIDE MEDIA ENCRYPTION SRTP LICENSE FOR CORE SBC. SESSIONS SOLD IN BLOCKS OF 25	SBC-C-SRTP-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED MEDIA ENCRYPTION SRTP LICENSE FOR CORE & EDGE SBC. SESSIONS SOLD IN BLOCKS OF 25

EoPS NWL (Network Wide License) Product Code	Description	Replacement MDL (Multiyear Domain Locked License) Product Code	Description
SBC-C-STSH-NWL	NETWORK WIDE STIR-SHAKEN SESSION LICENSE ON SBC 5K/7K/SWE, SOLD IN BLOCKS OF 25 SESSIONS	SBC-C-STSH-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED STIR-SHAKEN SESSION LICENSE ON SBC 5K/7K/SWE, SOLD IN BLOCKS OF 25 SESSIONS
SBC-C-SURV*	NETWORK WIDE LOCAL SESSION SURVIVABILITY LICENSE FOR CORE SBC. SESSIONS SOLD IN BLOCKS OF 25	SBC-C-SURV*-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED LOCAL SESSION SURVIVABILITY LICENSE FOR CORE SBC. SESSIONS SOLD IN BLOCKS OF 25
SBC*-VIDEO*	NETWORK WIDE LICENSE FOR MULTI-STREAM VIDEO ON SBC SWE. SESSIONS SOLD IN BLOCKS OF 25	SBC-C-VIDEO-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED LICENSE FOR MULTI-STREAM VIDEO ON CORE & EDGE SBC. SESSIONS SOLD IN BLOCKS OF 25
SBC-C-WBGSM*	NETWORK WIDE CODEC UPG LICENSE FOR AMR-WB USE ON CORE SBC. SESSIONS SOLD IN BLKS OF 25	SBC-C-WBGSM-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED CODEC UPGRADE LICENSE FOR AMR-WB USE ON CORE & EDGE SBC. SESSIONS SOLD IN BLOCKS OF 25
SBC-SWE-BASE*	NETWORK WIDE STANDALONE SBC SWE BASE SYSTEM, GREATER THAN 250 SESSIONS, INCLUDES OS	SBC-SWE-BASE-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED LICENSE FOR SINGLE SBC SWE BASE SYSTEM, INCLUDES OS, NO SESSIONS
SBC-SWE-BASE*-HA*	NETWORK WIDE HIGH AVAILABILITY SBC SWE BASE SYSTEM, GREATER THAN 250 SESSIONS, INCLUDES OS	SBC-SWE-BASE-HA-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED LICENSE FOR SINGLE HIGH AVAILABILITY SBC SWE BASE SYSTEM; INCLUDES OS, NO SESSIONS
SBC-SWE-TXN*	NETWORK WIDE TRANSCODE LICENSE FOR SBC SWE, * - * SESSIONS, SOLD IN BLOCKS OF 25	SBC-SWE-TXN*-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED TRANSCODE LICENSE FOR CORE & EDGE SBC, * - * SESSIONS, SOLD IN BLOCKS OF 25
SBC-SWE-TXN*-HA*	NETWORK WIDE TRANSCODE LICENSE FOR HA SBC SWE, * - * SESSIONS, SOLD IN BLOCKS OF 25	SBC-SWE-TXN*-HA-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED TRANSCODE LICENSE FOR HA CORE & EDGE SBC, * - * SESSIONS, SOLD IN BLOCKS OF 25

EoPS NWL (Network Wide License) Product Code	Description	Replacement MDL (Multiyear Domain Locked License) Product Code	Description
POL-*BASESW*	NETWORK WIDE PSX BASE ENFORCED LICENSE; * - * CPS; SOLD IN BLOCKS OF 10	POL-BASESW*-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED PSX BASE ENFORCED LICENSE; * - * CPS; SOLD IN BLOCKS OF 10
POL-*MASTER*	LICENSE FOR NETWORK WIDE MASTER PSX SERVER	POL-SW-MASTER-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED LICENSE FOR MASTER PSX SERVER
POL-*SPE*	NETWORK WIDE PSX HOSTED SYSTEM LICENSE TO ENABLE SCRIPTING FUNCTIONALITY	POL-SPE-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED PSX HOSTED SYSTEM LICENSE TO ENABLE SCRIPTING FUNCTIONALITY
POL-*TESTDB*	NETWORK WIDE POL-TESTDB LICENSE FOR THE TEST DATABASE FEATURE ON THE PSX SWE	POL-TESTDB-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED POL-TESTDB LICENSE FOR THE TEST DATABASE FEATURE ON THE PSX
POL-GLOBAL-N	NETWORK WIDE PSX HOSTED SYSTEM LICENCE TO DISABLE CPS BASED ENFORCEMENT	POL-GLOBAL-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED PSX HOSTED SYSTEM LICENCE TO DISABLE CPS BASED ENFORCEMENT
POL-HA-N	NETWORK WIDE PSX HIGH AVAILABILITY LICENSE	POL-HA-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED PSX HIGH AVAILABILITY LICENSE
POL-SWE-AINVPN*	NETWORK WIDE PSX SWE VOICE VPN SERVICES ENF LIC; * - * CPS; SOLD IN BLOCKS OF 100	POL-AINVPN*-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED PSX ANSI AIN-BASED VOICE VPN SERVICES ENFORCED LICENSE; * - * CPS; SOLD IN BLOCKS OF 10
POL-SWE-CRS*	NETWORK WIDE LIC, 3RD PARTY ACCESS TO PSX SWE SERVICES; * - * CPS; SOLD IN BLOCKS OF 100	POL-CRS*-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED LICENSE, 3RD PARTY NETWORK ELEMENTS ACC TO PSX SERVICES; * - * CPS; SOLD IN BLOCKS OF 10

EoPS NWL (Network Wide License) Product Code	Description	Replacement MDL (Multiyear Domain Locked License) Product Code	Description
POL-SWE-ENUMCLT*	NETWORK WIDE PSX SWE ENUM QUERY ENF LIC;* - * CPS; SOLD IN BLOCKS OF 100	POL-ENUMCLT*-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED PSX ENUM QUERY ENFORCEMENT LICENSE; * - * CPS; SOLD IN BLOCKS OF 10
POL-SWE-IN*	NETWORK WIDE PSX SWE ANSI IN ENF LIC - CNAM/LEC TF(GR-533); * - * CPS; SOLD IN BLOCKS OF 100	POL-IN*-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED PSX ANSI IN ENFORCEMENT LICENSE - CNAM AND LEC TF (GR-533);* - * CPS; SOLD IN BLOCKS OF 10
POL-SWE-ITUTCAP*	NETWORK WIDE PSX SWE ITU TCAP ENF LIC; * - * CPS; SOLD IN BLOCKS OF 100	POL-ITUTCAP*-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED PSX ITU TCAP ENFORCEMENT LICENSE; * - * CPS; SOLD IN BLOCKS OF 10
POL-SWE-LCR*	NETWORK WIDE PSX SWE LEAST COST ROUTING ENF LIC; * - * CPS; SOLD IN BLOCKS OF 100	POL-LCR*-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED PSX LEAST COST ROUTING ENFORCED LICENSE; * - * CPS; SOLD IN BLOCKS OF 10
POL-SWE-LNP*	NETWORK WIDE PSX SWE ANSI LNP ENF LIC (APPLIES TO N. AMERICA); * - * CPS; SOLD IN BLOCKS OF 100	POL-LNP*-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED PSX ANSI LNP ENFORCED LICENSE (APPLIES TO NORTH AMERICA); * - * CPS; SOLD IN BLOCKS OF 10
POL-SWE-OBRDLNP*	NETWORK WIDE PSX SWE ONBOARD LNP ENF LIC; * - * CPS; SOLD IN BLOCKS OF 100	POL-OBRDLNP*-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED PSX ONBOARD LOCAL NUMBER PORTABILITY ENFORCED LICENSE; * - * CPS; SOLD IN BLOCKS OF 10
POL-SWE-SIP*	NETWORK WIDE PSX SWE SIP RED AND PROXY ENF LIC; * - * CPS; SOLD IN BLOCKS OF 100	POL-SIP*-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED PSX SIP REDIRECTOR AND CORE PROXY ENFORCED LICENSE; * - * CPS; SOLD IN BLOCKS OF 10
POL-SWE-SIPSCP*	NETWORK WIDE PSX SWE SIP SCP ENF LIC; * - * CPS; SOLD IN BLOCKS OF 100	POL-SIPSCP*-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED PSX SIP SCP QUERY ENFORCEMENT LICENSE FOR PSX QRYs TO EXT 3RD PRY DB; * - * CPS; SOLD IN BLOCKS OF 10

EoPS NWL (Network Wide License) Product Code	Description	Replacement MDL (Multiyear Domain Locked License) Product Code	Description
POL-SWE-STSH*	NETWORK WIDE PSX SWE STIR-SHAKEN ENF LIC * - * CPS; SOLD IN BLOCKS OF 100	POL-REST-STSH*-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED PSX REST API BASED STIR-SHAKEN ENFORCED LICENSE * - * CPS; SOLD IN BLOCKS OF 10
POL-SWE-TCAP*	NETWORK WIDE PSX SWE ANSI TCAP ENF LIC; * - * CPS; SOLD IN BLOCKS OF 100	POL-TCAP*-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED PSX ANSI TCAP ENFORCEMENT LICENSE; * - * CPS; SOLD IN BLOCKS OF 10
POL-SWE-TF*	NETWORK WIDE PSX SWE HOSTED NUMBER TRANS SERVICES LIC; * - * CPS; SOLD IN BLOCKS OF 100	POL-TF*-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED PSX ANSI TOLL FREE(TF)/ADV TF SERVICES ENFORCED LICENSE; * - * CPS; SOLD IN BLOCKS OF 10
POL-SWE-TRANS*	NETWORK WIDE PSX SWE HOSTED NUMBER TRANS SERVICES LIC; * - * CPS; SOLD IN BLOCKS OF 100	POL-TRANS*-5YR	5 YEAR MULTIYEAR DOMAIN LOCKED PSX HOSTED NUMBER TRANSLATION SERVICES LICENSE; * - * CPS; SOLD IN BLOCKS OF 10

EoPS NWL PRODUCT CODES & REPLACEMENT NWDL PRODUCT CODES

EoPS NWL (Network Wide License) Product Code	Description	Replacement NWDL (Network Wide Domain Locked License) Product Code	Description
NWLM-BASE	NETWORK WIDE MANAGEMENT BASE LICENSE	RAMP-NWDLM-BASE	RAMP NETWORK WIDE DOMAIN LOCKED MANAGEMENT BASE LICENSE
NWLM-BASE-GR	NETWORK WIDE MANAGEMENT GEOGRAPHIC REDUNDANCY BASE LICENSE	RAMP-NWDLM-BASE-GR	RAMP NETWORK WIDE DOMAIN LOCKED MANAGEMENT GEOGRAPHIC REDUNDANCY BASE LICENSE
NWLM-BASE-HA	NETWORK WIDE MANAGEMENT HIGH AVAILABILITY BASE LICENSE	RAMP-NWDLM-BASE-HA	RAMP NETWORK WIDE LICENSE MANAGEMENT HIGH AVAILABILITY BASE LICENSE
NWLM-CPS*³	NETWORK WIDE MANAGEMENT LICENSE FOR NETWORK WIDE PSX; * ⁴ - * CPS; SOLD IN BLOCKS OF 10	RAMP-NWDLM-CPS*	NETWORK WIDE DOMAIN LOCKED MANAGEMENT LICENSE FOR PSX; * - * CPS; SOLD IN BLOCKS OF 10
NWLM-LIC*	NETWORK WIDE MANAGEMENT LICENSE FOR NETWORK WIDE SBC 5K/7K/SWE; * - * SESSIONS; SOLD IN BLOCKS OF 25	RAMP-NWDLM-LIC*	NETWORK WIDE DOMAIN LOCKED MANAGEMENT LICENSE FOR CORE & EDGE SBC; * - * SESSIONS; SOLD IN BLOCKS OF 25
NWLM-LIC*-HA*	NETWORK WIDE MANAGEMENT LICENSE FOR HA NETWORK WIDE SBC 5K/7K/SWE; * - * SESSIONS; SOLD IN BLOCKS OF 25	RAMP-NWDLM-LIC*-HA	NETWORK WIDE DOMAIN LOCKED MANAGEMENT LICENSE FOR HA CORE & EDGE SBC; * - * SESSIONS; SOLD IN BLOCKS OF 25
POL-*-PSX*-*	NETWORK WIDE LICENSE FOR CENTRAL PSX ACCESS ON CORE SBC. SESSIONS SOLD IN BLOCKS OF 25	POL-C-PSX-D	NETWORK WIDE DOMAIN LOCKED LICENSE FOR CENTRAL PSX ACCESS ON CORE SBC. SESSIONS SOLD IN BLOCKS OF 25

³ The * represents such character values as 1 → 7, -N, -NWL, -UPG, and combinations of the aforementioned.

⁴ The * - * represents a range of CPS or sessions e.g. 10 – 100 CPS, 1000 – 2000 sessions, etc.

EoPS NWL (Network Wide License) Product Code	Description	Replacement NWDL (Network Wide Domain Locked License) Product Code	Description
SBC-C-AERE*	NETWORK WIDE LICENSE FOR ADVANCED ERE ON CORE SBC. SESSIONS SOLD IN BLOCKS OF 25	SBC-C-AERE-D	NETWORK WIDE DOMAIN LOCKED LICENSE FOR ADVANCED ERE ON CORE SBC. SESSIONS SOLD IN BLOCKS OF 25
SBC-C-CDMA*	NETWORK WIDE CODEC UPG LICENSE FOR EVRC USE ON CORE SBC. SESSIONS SOLD IN BLKS OF 25	SBC-C-CDMA-D	NETWORK WIDE DOMAIN LOCKED CODEC UPGRADE LICENSE FOR EVRC USE ON CORE SBC. SESSIONS SOLD IN BLOCKS OF 25
SBC-C-ENC*	NETWORK WIDE ENCRYPTION LICENSE (TLS, IPSEC) FOR CORE SBC. SESSIONS SOLD IN BLOCKS OF 25	SBC-C-ENC-D	NETWORK WIDE DOMAIN LOCKED ENCRYPTED (TLS, IPSEC) TCP/UDP TRANSPORT LICENSE FOR CORE & EDGE SBC. ENCRYPTED CONNECTIONS SOLD IN BLOCKS OF 25
SBC-C-EVS-NWL	NETWORK WIDE CODEC LICENSE FOR EVS USE ON CORE SBC. SESSIONS SOLD IN BLKS OF 25	SBC-C-EVS-D	NETWORK WIDE DOMAIN LOCKED CODEC LICENSE FOR EVS USE ON CORE SBC. SESSIONS SOLD IN BLOCKS OF 25
SBC-C-LB-NWL	NETWORK WIDE ADD ON SECURE ONE ACCESS LOAD BALANCER SESSION LICENSE FOR CORE SBC. SESSIONS SOLD IN BLOCKS OF 25	SBC-C-LB-D	NETWORK WIDE DOMAIN LOCKED ADD ON SECURE ONE ACCESS LOAD BALANCER SESSION LICENSE FOR CORE SBC. SESSIONS SOLD IN BLOCKS OF 25
SBC-C-LIC*	NETWORK WIDE SESSION LICENSE FOR CORE SBC, * - * SESSIONS, SOLD IN BLOCKS OF 25	SBC-C-LIC*-D	NETWORK WIDE DOMAIN LOCKED SESSION LICENSE FOR CORE & EDGE SBC, * - * SESSIONS, SOLD IN BLOCKS OF 25
SBC-C-LIC*-HA*	NETWORK WIDE SESSSION LICENSE FOR HA CORE SBC, * - * SESSIONS, SOLD IN BLOCKS OF 25	SBC-C-LIC*-HA-D	NETWORK WIDE DOMAIN LOCKED SESSION LICENSE FOR HA CORE & EDGE SBC, * - * SESSIONS, SOLD IN BLOCKS OF 25

EoPS NWL (Network Wide License) Product Code	Description	Replacement NWDL (Network Wide Domain Locked License) Product Code	Description
SBC-C-NBGSMS*	NETWORK WIDE CODEC UPG LICENSE FOR AMR-NB USE ON CORE SBC. SESSIONS SOLD IN BLKS OF 25	SBC-C-NBGSMS-D	NETWORK WIDE DOMAIN LOCKED CODEC UPGRADE LICENSE FOR AMR-NB USE ON CORE SBC. SESSIONS SOLD IN BLOCKS OF 25
SBC-C-RCS-NWL	NETWORK WIDE LICENSE FOR OUT OF DIALOG SIP RCS TRANSACTIONS PER SECOND ON SBC SWE, SOLD IN BLOCKS OF 25	SBC-C-RCS-D	NETWORK WIDE DOMAIN LOCKED LICENSE FOR OUT OF DIALOG SIP RCS TRANSACTIONS PER SECOND ON SBC SWE, SOLD IN BLOCKS OF 25
SBC-C-RECORD*	NETWORK WIDE NICE OR SIPREC RECORDING SESSION LICENSE FOR SBC 5K/7K/SWE, * - * SESSIONS, SOLD IN BLOCKS OF 25	SBC-C-RECORD*-D	NETWORK WIDE DOMAIN LOCKED NICE OR SIPREC RECORDING SESSION LICENSE FOR CORE & EDGE SBC, * - * SESSIONS, SOLD IN BLOCKS OF 25
SBC-C-SILK*	NETWORK WIDE CODEC LICENSE FOR SILK USE ON CORE SBC. SESSIONS SOLD IN BLKS OF 25	SBC-C-SILK-D	NETWORK WIDE DOMAIN LOCKED CODEC LICENSE FOR SILK USE ON CORE & EDGE SBC. SESSIONS SOLD IN BLOCKS OF 25
SBC-C-LIC*-SIPI*	NETWORK WIDE SIP-I SESSION ADDON LICENSE FOR SBC 5K/7K/SWE, SOLD IN BLOCKS OF 25	SBC-C-SIPI-D	NETWORK WIDE DOMAIN LOCKED SIP-I SESSION ADD-ON LICENSE FOR SBC 5K/7K/SWE, SOLD IN BLOCKS OF 25
SBC-C-SIPWEB-NWL	NETWORK WIDE SIP OVER WEB SOCKET LICENSE ON SBC SWE. SOLD IN BLOCKS OF 25	SBC-C-SIPWEB-D	NETWORK WIDE DOMAIN LOCKED SIP OVER WEBSOCKET SESSION LICENSE FOR USE ON CORE SBC. SESSIONS SOLD IN BLOCKS OF 25
SBC-C-SRTP*	NETWORK WIDE MEDIA ENCRYPTION SRTP LICENSE FOR CORE SBC. SESSIONS SOLD IN BLOCKS OF 25	SBC-C-SRTP-D	NETWORK WIDE DOMAIN LOCKED MEDIA ENCRYPTION SRTP LICENSE FOR CORE & EDGE SBC. SESSIONS SOLD IN BLOCKS OF 25
SBC-C-STSH-NWL	NETWORK WIDE STIR-SHAKEN SESSION LICENSE ON SBC 5K/7K/SWE, SOLD IN BLOCKS OF 25 SESSIONS	SBC-C-STSH-D	NETWORK WIDE DOMAIN LOCKED STIR-SHAKEN SESSION LICENSE ON SBC 5K/7K/SWE, SOLD IN BLOCKS OF 25 SESSIONS

EoPS NWL (Network Wide License) Product Code	Description	Replacement NWDL (Network Wide Domain Locked License) Product Code	Description
SBC-C-SURV*	NETWORK WIDE LOCAL SESSION SURVIVABILITY LICENSE FOR CORE SBC. SESSIONS SOLD IN BLOCKS OF 25	SBC-C-SURV*-D	NETWORK WIDE DOMAIN LOCKED LOCAL SESSION SURVIVABILITY LICENSE FOR CORE SBC. SESSIONS SOLD IN BLOCKS OF 25
SBC-*-VIDEO*	NETWORK WIDE LICENSE FOR MULTI-STREAM VIDEO ON SBC SWE. SESSIONS SOLD IN BLOCKS OF 25	SBC-C-VIDEO-D	NETWORK WIDE DOMAIN LOCKED LICENSE FOR MULTI-STREAM VIDEO ON CORE & EDGE SBC. SESSIONS SOLD IN BLOCKS OF 25
SBC-C-WBGSM*	NETWORK WIDE CODEC UPG LICENSE FOR AMR-WB USE ON CORE SBC. SESSIONS SOLD IN BLKS OF 25	SBC-C-WBGSM-D	NETWORK WIDE DOMAIN LOCKED CODEC UPGRADE LICENSE FOR AMR-WB USE ON CORE & EDGE SBC. SESSIONS SOLD IN BLOCKS OF 25
SBC-SWE-BASE*	NETWORK WIDE STANDALONE SBC SWE BASE SYSTEM, GREATER THAN 250 SESSIONS, INCLUDES OS	SBC-SWE-BASE-D	NETWORK WIDE DOMAIN LOCKED LICENSE FOR SINGLE SBC SWE BASE SYSTEM, INCLUDES OS, NO SESSIONS
SBC-SWE-BASE*-HA*	NETWORK WIDE HIGH AVAILABILITY SBC SWE BASE SYSTEM, GREATER THAN 250 SESSIONS, INCLUDES OS	SBC-SWE-BASE-HA-D	NETWORK WIDE DOMAIN LOCKED LICENSE FOR SINGLE HIGH AVAILABILITY SBC SWE BASE SYSTEM; INCLUDES OS, NO SESSIONS
SBC-SWE-TXN*	NETWORK WIDE TRANSCODE LICENSE FOR SBC SWE, * - * SESSIONS, SOLD IN BLOCKS OF 25	SBC-SWE-TXN*-D	NETWORK WIDE DOMAIN LOCKED TRANSCODE LICENSE FOR CORE & EDGE SBC, * - * SESSIONS, SOLD IN BLOCKS OF 25
SBC-SWE-TXN*-HA*	NETWORK WIDE TRANSCODE LICENSE FOR HA SBC SWE, * - * SESSIONS, SOLD IN BLOCKS OF 25	SBC-SWE-TXN*-HA-D	NETWORK WIDE DOMAIN LOCKED TRANSCODE LICENSE FOR HA CORE & EDGE SBC, * - * SESSIONS, SOLD IN BLOCKS OF 25
POL-*BASESW*	NETWORK WIDE PSX BASE ENFORCED LICENSE; * - * CPS; SOLD IN BLOCKS OF 10	POL-BASESW*-D	NETWORK WIDE DOMAIN LOCKED PSX BASE ENFORCED LICENSE; * - * CPS; SOLD IN BLOCKS OF 10

EoPS NWL (Network Wide License) Product Code	Description	Replacement NWDL (Network Wide Domain Locked License) Product Code	Description
POL-*MASTER*	LICENSE FOR NETWORK WIDE MASTER PSX SERVER	POL-SW-MASTER-D	NETWORK WIDE DOMAIN LOCKED LICENSE FOR MASTER PSX SERVER
POL-*SPE*	NETWORK WIDE PSX HOSTED SYSTEM LICENSE TO ENABLE SCRIPTING FUNCTIONALUITY	POL-SPE-D	NETWORK WIDE DOMAIN LOCKED PSX HOSTED SYSTEM LICENSE TO ENABLE SCRIPTING FUNCTIONALUITY
POL-*TESTDB*	NETWORK WIDE POL-TESTDB LICENSE FOR THE TEST DATABASE FEATURE ON THE PSX SWE	POL-TESTDB-D	NETWORK WIDE DOMAIN LOCKED POL-TESTDB LICENSE FOR THE TEST DATABASE FEATURE ON THE PSX
POL-GLOBAL-N	NETWORK WIDE PSX HOSTED SYSTEM LICENCE TO DISABLE CPS BASED ENFORCEMENT	POL-GLOBAL-D	NETWORK WIDE DOMAIN LOCKED PSX HOSTED SYSTEM LICENCE TO DISABLE CPS BASED ENFORCEMENT
POL-HA-N	NETWORK WIDE PSX HIGH AVAILABILITY LICENSE	POL-HA-D	NETWORK WIDE DOMAIN LOCKED PSX HIGH AVAILABILITY LICENSE
POL-SWE-AINVPN*	NETWORK WIDE PSX SWE VOICE VPN SERVICES ENF LIC; * - * CPS; SOLD IN BLOCKS OF 100	POL-AINVPN*-D	NETWORK WIDE DOMAIN LOCKED PSX ANSI AIN-BASED VOICE VPN SERVICES ENFORCED LICENSE; * - * CPS; SOLD IN BLOCKS OF 10
POL-SWE-CRS*	NETWORK WIDE LIC, 3RD PARTY ACCESS TO PSX SWE SERVICES; * - * CPS; SOLD IN BLOCKS OF 100	POL-CRS*-D	NETWORK WIDE DOMAIN LOCKED LICENSE, 3RD PARTY NETWORK ELEMENTS ACC TO PSX SERVICES; * - * CPS; SOLD IN BLOCKS OF 10
POL-SWE-ENUMCLT*	NETWORK WIDE PSX SWE ENUM QUERY ENF LIC;* - * CPS; SOLD IN BLOCKS OF 100	POL-ENUMCLT*-D	NETWORK WIDE DOMAIN LOCKED PSX ENUM QUERY ENFORCEMENT LICENSE; * - * CPS; SOLD IN BLOCKS OF 10

EoPS NWL (Network Wide License) Product Code	Description	Replacement NWDL (Network Wide Domain Locked License) Product Code	Description
POL-SWE-IN*	NETWORK WIDE PSX SWE ANSI IN ENF LIC - CNAM/LEC TF(GR-533); * - * CPS; SOLD IN BLOCKS OF 100	POL-IN*-D	NETWORK WIDE DOMAIN LOCKED PSX ANSI IN ENFORCEMENT LICENSE - CNAM AND LEC TF (GR-533);* - * CPS; SOLD IN BLOCKS OF 10
POL-SWE-ITUTCAP*	NETWORK WIDE PSX SWE ITU TCAP ENF LIC; * - * CPS; SOLD IN BLOCKS OF 100	POL-ITUTCAP*-D	NETWORK WIDE DOMAIN LOCKED PSX ITU TCAP ENFORCEMENT LICENSE; * - * CPS; SOLD IN BLOCKS OF 10
POL-SWE-LCR*	NETWORK WIDE PSX SWE LEAST COST ROUTING ENF LIC; * - * CPS; SOLD IN BLOCKS OF 100	POL-LCR*-D	NETWORK WIDE DOMAIN LOCKED PSX LEAST COST ROUTING ENFORCED LICENSE; * - * CPS; SOLD IN BLOCKS OF 10
POL-SWE-LNP*	NETWORK WIDE PSX SWE ANSI LNP ENF LIC (APPLIES TO N. AMERICA); * - * CPS; SOLD IN BLOCKS OF 100	POL-LNP*-D	NETWORK WIDE DOMAIN LOCKED PSX ANSI LNP ENFORCED LICENSE (APPLIES TO NORTH AMERICA); * - * CPS; SOLD IN BLOCKS OF 10
POL-SWE-OBRDLNP*	NETWORK WIDE PSX SWE ONBOARD LNP ENF LIC; * - * CPS; SOLD IN BLOCKS OF 100	POL-OBRDLNP*-D	NETWORK WIDE DOMAIN LOCKED PSX ON-BOARD LOCAL NUMBER PORTABILITY ENFORCED LICENSE; * - * CPS; SOLD IN BLOCKS OF 10
POL-SWE-SIP*	NETWORK WIDE PSX SWE SIP RED AND PROXY ENF LIC; * - * CPS; SOLD IN BLOCKS OF 100	POL-SIP*-D	NETWORK WIDE DOMAIN LOCKED PSX SIP REDIRECTOR AND CORE PROXY ENFORCED LICENSE; * - * CPS; SOLD IN BLOCKS OF 10
POL-SWE-SIPSCP*	NETWORK WIDE PSX SWE SIP SCP ENF LIC; * - * CPS; SOLD IN BLOCKS OF 100	POL-SIPSCP*-D	NETWORK WIDE DOMAIN LOCKED PSX SIP SCP QUERY ENFORCEMENT LICENSE FOR PSX QRYs TO EXT 3RD PRY DB; * - * CPS; SOLD IN BLOCKS OF 10
POL-SWE-STSH*	NETWORK WIDE PSX SWE STIR-SHAKEN ENF LIC * - * CPS; SOLD IN BLOCKS OF 100	POL-REST-STSH*-D	NETWORK WIDE DOMAIN LOCKED PSX REST API BASED STIR-SHAKEN ENFORCED LICENSE * - * CPS; SOLD IN BLOCKS OF 10

EoPS NWL (Network Wide License) Product Code	Description	Replacement NWDL (Network Wide Domain Locked License) Product Code	Description
POL-SWE-TCAP*	NETWORK WIDE PSX SWE ANSI TCAP ENF LIC; * - * CPS; SOLD IN BLOCKS OF 100	POL-TCAP*-D	NETWORK WIDE DOMAIN LOCKED PSX ANSI TCAP ENFORCEMENT LICENSE; * - * CPS; SOLD IN BLOCKS OF 10
POL-SWE-TF*	NETWORK WIDE PSX SWE HOSTED NUMBER TRANS SERVICES LIC; * - * CPS; SOLD IN BLOCKS OF 100	POL-TF*-D	NETWORK WIDE DOMAIN LOCKED PSX ANSI TOLL FREE(TF)/ADV TF SERVICES ENFORCED LICENSE; * - * CPS; SOLD IN BLOCKS OF 10
POL-SWE-TRANS*	NETWORK WIDE PSX SWE HOSTED NUMBER TRANS SERVICES LIC; * - * CPS; SOLD IN BLOCKS OF 100	POL-TRANS*-D	NETWORK WIDE DOMAIN LOCKED PSX HOSTED NUMBER TRANSLATION SERVICES LICENSE; * - * CPS; SOLD IN BLOCKS OF 10

RIBBON CONFIDENTIAL AND PROPRIETARY

This bulletin is subject to the existing customer purchase agreement between the parties which shall control in the event of conflict. The above dates are for planning purposes only and Ribbon reserves the right to change with notice.