

Cisco Guide to Understanding and Purchasing VCO/4K Software Licenses

Overview

This product bulletin:

1. Describes the software license obligations and procedures that sellers and buyers must adhere to when transferring (selling and purchasing) used Cisco and Summa4 VCO/4K Series open programmable switches* on the open market

**Note: Except for Cisco and Summa4 VCO/4K Series open programmable switches, all other Summa4 VCO/20, VCO/80, and SDS series open programmable switches transferred on the open market are exempt from software licensing.*

2. Provides helpful buying-guide information to buyers—across the complete Cisco and Summa4 VCO and SDS product lines—in order to assist them in their open market buying decisions
3. Describes Cisco's policy on the use of features within the VCO/4K and VCO/4K Signaling System 7 (SS7) software

This product bulletin is broken down into two sections. The first section deals with software licensing for used system sales, and the second deals with Cisco's policy on the use of features within the VCO/4K and VCO/4K SS7 software.

Software Licensing for Used System Sales

Why Software Licensing?

Like many high-tech companies that produce software, Cisco adopts a policy of non-transferability of its software license in order to protect its intellectual property rights.

What this means in practice is that owners of Cisco products with embedded software* are allowed to transfer, re-sell, or re-lease these Cisco products only after they have paid Cisco for new software licenses.

**Note: As is the case for the Cisco and Summa4 VCO/4K series open programmable switches*

With limited exceptions, sellers must not transfer, re-sell, or re-lease their Cisco product(s), without first purchasing new software licenses. See the "Software License Policy" section for complete details.

Buyers Guide

Because there are several VCO open programmable switch models in the open market today, each with its own technical subtleties and obsolete (end-of-life) dates, buyers should study and be familiar with Table 1, A Buyers' Guide, before making a final buying decision*.

**Note: Cisco no longer sells VCO open programmable switches and hardware (selling stopped in March 2002). As a result, VCO users are forced to seek out VCO hardware on the open market. Table 1 of this product bulletin, in conjunction with the various VCO open programmable switch end-of-life product bulletins posted on Cisco.com, is provided to buyers in order to aid them in their buying decisions. See Table 1 of this product bulletin and the various VCO open programmable switch end-of-life product bulletins for complete details. The pertinent URLs for the end-of-life product bulletins follow:*

- The Cisco VCO[®] product home page: <http://www.cisco.com/en/US/products/hw/switches/ps2246/index.html>
- End-of-sales announcement for the Cisco VCO/4K product line: http://www.cisco.com/en/US/products/hw/switches/ps2246/prod_eol_notice09186a008032d486.html
- Clarifications to the five previously published VCO/Summa4 system end-of-life announcements (this bulletin explains the end-of-life timelines for the SDS-1000, VCO/80, and VCO/20 open programmable switches): http://www.cisco.com/en/US/products/hw/switches/ps2246/prod_eol_notice09186a008032d487.html
- Cisco Selects Compro to Support the Cisco VCO/4K Switches: http://www.cisco.com/en/US/products/hw/switches/ps2246/prod_bulletin09186a00800b2744.html

The following are the highlights of Table 1:

- Purchase new software licenses if selling VCO/4K (Network Equipment Building Systems [NEBS]), VCO/4K, or VCO/20 (4K)* systems or the associated VCO/4K SS7 subsystem.

**Note: The term VCO/20 (4K)* system used in this bulletin means a VCO/20 chassis comprising V5.x generic software and at least one interface controller card (ICC) or one service platform card (SPC).*

- Do not purchase new software licenses if selling VCO/20, VCO/80 (NEBS), or VCO/80 (4K) (NEBS) systems. Because of the relatively late stage in the support life cycles of these products, these products can be transferred (sold or leased) without obtaining new software licenses from Cisco.
- VCO/4K (NEBS), VCO/4K, and VCO/20 (4K) systems and associated SS7 subsystems to be sold are eligible for service support contracts, provided that proof of VCO/4K Software Digital License Agreements (DLAs) are provided to those at Cisco or Compro requesting them, and, provided that the system is inspected (for a fee)* and passes inspection.

**Note: To obtain further information and pricing on VCO/4K support contract services and system inspections, send an e-mail to vco4k_support_alias@cisco.com. Note: If your company does not have a direct purchase agreement with Cisco, then you will be instructed to contact Compro Technologies, Inc. to obtain further information and pricing on VCO/4K support contract services and system inspections.*

Compro Technologies, Inc.
512 South Main St.
Forked River, NJ 08731
Phone: (609) 242-2211
Fax: (609) 242-2212
E-mail: sales@comprotech.com
<http://www.comprotech.com/>

- VCO/20, VCO/80 (NEBS), VCO/80 (4K) (NEBS), and SDS-1000 systems and associated SS7 subsystems to be sold are eligible for service support contracts only through Compro Technologies, Inc., and only at the sole discretion and terms and conditions of Compro Technologies, Inc. For more information, contact Compro Technologies at the address given previously.

- Customers opting for pay-by-the-hour fee-based support or fee-based Return Material Authorization (RMA) support instead of support under a support contract must contact Compro Technologies, Inc. Compro Technologies, Inc. provides such “time and material” services only at the its sole discretion. For more information, contact Compro Technologies at the address given previously.

VCO users without service support contracts should be advised that in most cases, failed VCO hardware components (for example, failed circuit cards, power supplies, fantrays, etc.) are more expensive to repair than purchasing a new hardware component replacement on the open market.

Table 1 VCO and VCO SS7 System Types Available on the Market—A Buyers’ Guide

System Type	Software Type (name)	Operational Software Range (1) (2)	Quality of Offer being made by the Seller in terms of overall relative product sustainability once Buyer takes title.	Buyer’s Notes (8)
Note: This section of the table focuses on the VCO System Type				
VCO/4K (NEBS)	Generic	V5.0 - V5.2	Best Offer (recommended)	A
VCO/4K	Generic	V5.0 - V5.2	Best Offer (recommended)	B, D
VCO/20 (4K)	Generic	V5.0 - V5.2	Best Offer (recommended)	C, D
VCO/20 (5)	Generic	V4.0 - V4.2	Consider very carefully. Limited Support through Compro only and only at Compro’s sole discretion. Recommended only for buyers with expert VCO support knowledge.	C
VCO/80 (4K) (NEBS)	Generic	V5.0 - V5.2	Consider very carefully. Limited Support through Compro only and only at Compro’s sole discretion. Recommended only for buyers with expert VCO support knowledge.	
VCO/80 (NEBS) (5)	Generic	V3.3 - V4.2	Consider very carefully. Limited Support through Compro only and only at Compro’s sole discretion. Recommended only for buyers with expert VCO support knowledge.	
SDS-1000 (5)	Generic	V3.3 - V4.2	Not recommended—even for buyers with expert VCO support knowledge (do not buy). Extreme risk. Not recommended for production deployments. Limited Support through Compro only and only at Compro’s sole discretion.	
Note: This section of the table focuses on the SS7 Sub-system Type				
SS7 (NEBS chassis)—(with a VCO/4K (NEBS), VCO/4K, or VCO/20 (4K) running Generic V5.2.x)	ANSI ISUP	V5.0 - V5.2	Best Offer (recommended) (6)	A
SS7 (non-NEBS chassis)—(with a VCO/4K (NEBS), VCO/4K, or VCO/20 (4K) running Generic V5.2.x)	ANSI ISUP	V5.0 - V5.2	Best Offer (recommended) (6)	B or C
SS7 (NEBS chassis)—(with a VCO/4K (NEBS), VCO/4K, or VCO/20 (4K) running Generic V5.2.x)	ITU ISUP	V5.0 - V5.2	Best Offer (recommended) (6)	A

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SS7 (NEBS chassis)—(with a VCO/4K (NEBS), VCO/4K, or VCO/20 (4K) running Generic V5.2.x)	ITU ISUP MSP (4)	V5.1.2 - V5.2	Best Offer (recommended) (6)	A
SS7 (non-NEBS chassis)—(with a VCO/4K (NEBS), VCO/4K, or VCO/20 (4K) running Generic V5.2.x)	ITU ISUP MSP (4)	V5.1.2 - V5.2	Best Offer (recommended) (6)	B or C
SS7 (NEBS chassis)—(with a VCO/4K (NEBS), VCO/4K, or VCO/20 (4K) running Generic V5.2.x) (5)	ANSI TCAP	V3.0 (3)	Best Offer (recommended) (6)	A
SS7 (non-NEBS chassis)—(with a VCO/4K (NEBS), VCO/4K, or VCO/20 (4K) running Generic V5.2.x) (5)	ANSI TCAP	V3.0 (3)	Best Offer (recommended) (6)	B or C
SS7 (NEBS chassis)—(with a VCO/4K (NEBS), VCO/4K, or VCO/20 (4K) running Generic V5.2.x)	ITU TCAP	V5.1	Best Offer (recommended) (6)	A
SS7 (non-NEBS chassis)—(with a VCO/4K (NEBS), VCO/4K, or VCO/20 (4K) running Generic V5.2.x)	ITU TCAP	V5.1	Best Offer (recommended) (6)	B or C
SS7 (NEBS chassis)—(with a VCO/4K (NEBS), VCO/4K, or VCO/20 (4K) running Generic V5.2.x)	CHINA TUP	V5.1	Best Offer (recommended) (6)	A
SS7 (non-NEBS chassis)—(with a VCO/4K (NEBS), VCO/4K, or VCO/20 (4K) running Generic V5.2.x)	CHINA TUP	V5.1	Best Offer (recommended) (6)	B or C
SS7 (NEBS chassis)—(with a VCO/20 running Generic V4.2.x) (5)	ANSI ISUP	V5.0 - V5.2	Consider very carefully. Limited Support through Compro only and only at Compro's sole discretion. Recommended only for buyers with expert VCO support knowledge. (6)	A
SS7 (non-NEBS chassis)—(with a VCO/20 running V4.2.x) (5)	ANSI ISUP	V5.0 - V5.2	Consider very carefully. Limited Support through Compro only and only at Compro's sole discretion. Recommended only for buyers with expert VCO support knowledge. (6)	B or C

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SS7—(with a VCO/80 (4K) (NEBS) running Generic V5.2.x) (7)	ANSI ISUP	V5.0 - V5.2	Consider very carefully. Limited Support through Compro only and only at Compro's sole discretion. Recommended only for buyers with expert VCO support knowledge. (6)	
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Table notes:

- (1) Software Release Notes for the various software versions are located here: http://www.cisco.com/univercd/cc/td/doc/product/tel_pswt/info.htm
- (2) Cisco TAC or Compro Technologies will specify exact software version required—if a support contract is purchased. See also note (1).
- (3) VCO systems with SS7 ANSI TCAP subsystems can support a maximum of only 1776 ports (1648 network ports). All other system configurations shown in this table, unless otherwise further indicated, support a maximum of 4088 ports (3960 network ports).
- (4) MSP stands for "Multi Signalling Point". For more details on this feature, see page 16 of 32 (Section 1.3.10) of the 5.1.2 ITU ISUP release notes http://www.cisco.com/univercd/cc/td/doc/product/tel_pswt/vco_ss7/ss7c51.pdf
- (5) This VCO system can support a maximum of only 1776 ports (1648 network ports). All other system configurations shown in this table, unless otherwise further indicated, support a maximum of 4088 ports (3960 network ports).
- (6) Buyer recommendations for the SS7 subsystem stated here are based on the VCO system type that it will be integrated with.
- (7) For this system, the SS7 hardware components are installed not within its own SS7 sub-chassis, but within the VCO chassis stated.
- (8) The product obsolete date (i.e. support expiration date) varies per system type and is specified in the End-of-Sales/End-of-Life notices. You are encouraged to review the End-of-Sales/End-of-Life notices, located here: <http://www.cisco.com/en/US/products/hw/switches/ps2246/index.html>, when determining your decision to buy.

Buyers' notes:

- A. Chassis of this VCO system type or SS7 subsystem type is dark grey (charcoal) in color and has Cisco logo on front of chassis.
- B. Chassis of this VCO system type or SS7 subsystem type is grey to light grey in color and has Summa Four logo on front of chassis.
- C. Chassis of this VCO system type or SS7 subsystem type is white in color and has Summa Four logo on front of chassis.
- D. The fantray, VCO4K-FAN= (not VCO4K-FAN-C), for this chassis type, can be replaced, in event of failure, (and if you have a support contract), only through a return-and-repair RMA, not an advanced RMA. All other components in the chassis are eligible for advanced-RMA.

The buyer has the responsibility to ensure that the seller provides a functioning VCO/4K or VCO/4K system with SS7 subsystem that boots and comes with a functioning set of three-1/2 inch floppy diskettes* containing the backup copy of the software being sold on the system. Sellers are encouraged to assist buyers with these responsibilities by selling VCO/4K and VCO/4K SS7 systems with a warranty that covers such issues.

Cisco and Compro Technologies do not supply software unless the system is under a Cisco or Compro Technologies support contract. SS8 Networks does not supply software at all.

**Note: The SS7 subsystem software can be provided on either three-1/2 inch floppy diskettes or CD-ROM. The Solaris OS software should be the software on the Solaris OS CD-ROM.*

Software License Policy

For the complete terms and conditions of Cisco Software Licensing Policy, go to

http://www.cisco.com/en/US/ordering/or6/or17/order_refurbished_equipment_software_transfer_and_licensing_overview.html

If you have questions on the terms and conditions of the software license policy, send an e-mail to the following address:

vco4k_support_alias@cisco.com.

Overview of Software License Purchase Process

The seller has the responsibility to obtain the new software licenses.

If the seller of the used VCO/4K or VCO/4K SS7 system has a direct purchase agreement with Cisco, then the seller purchases the new software license(s) directly from Cisco as explained in the subsequent sections.

If the seller of the used VCO/4K or VCO/4K SS7 system does not have a direct purchase agreement with Cisco, then the seller purchases the new software license(s) directly from Compro Technologies as explained in a subsequent section.

License Fees and License Part Number Lookup

Cisco's VCO/4K and VCO/4K SS7 software* license fees are per Cisco's current global price list.

**Note: Selling a VCO4K SS7 system also requires the seller to purchase a VCO/4K SS7 software license directly from SS8 Networks, Inc. (formerly known as ADC NewNet). SS8 Networks, Inc.'s VCO4K SS7 software license fees are per SS8 Networks, Inc.'s current price list.*

The most current pricing for Cisco's VCO/4K and VCO/4K SS7 software licenses are listed in the Cisco Global Price List in the Cisco Pricing tool under PRODUCT PRICE SEARCH. Choose "Product Family," and then select "Cisco VCO/4K Series of Programmable Switches." All part numbers for software licenses start with "LL."

The Cisco.com Pricing tool is located at*: <http://www.cisco.com/cgi-bin/front.x/pricing>

**Note: If you do have an authorized Cisco.com customer user account to log into this URL, send e-mail to vco4k_support_alias@cisco.com requesting the most current pricing.*

To obtain the most current pricing for SS8 Networks, Inc.'s VCO/4K SS7 software licenses, send e-mail to vco4k-ss7relicense@ss8.com and (408) 428-3788.

See Table 2 in this bulletin for a summary of the part numbers for software licenses and pricing at the time of publication of this bulletin.*

**Note: Cisco and SS8 Networks do not anticipate the part numbers or the ordering methodology to change. However, Cisco and SS8 Networks retain their rights to change the software license pricing at any time.*

Cisco's VCO/4K and VCO/4K SS7 software license fees are always shown (whether in this bulletin or on the Cisco.com Pricing tool) as list prices. Sellers purchasing Cisco VCO/4K or Cisco VCO/4K SS7 software licenses may be eligible for a fee discount on these licenses provided they already have a preexisting direct purchase arrangement with Cisco.

SS8 Networks' VCO/4K SS7 software license fees are always shown as a fixed price not subject to discount.

Cisco's software licenses and SS8 Networks' software license are not to be sold to the buyer for a price higher than that shown on Cisco's and SS8 Networks' price lists at the time of sale.

How to Determine Which Software Licenses to Purchase

Determining which software license(s) to purchase depends upon the configuration of the system being transferred. For a given configuration of a single VCO/4K, or VCO/4K with SS7, or standalone SS7 subsystem (for use with a VCO/4K system), select only one license from the list shown in Table 2.

Note that in the case of software licenses for SS7 software, an SS7 software license must also be purchased directly from SS8 Networks, Inc. The SS7 software license fees paid to SS8 Networks, Inc. are per SS8 Networks, Inc.'s current price list (which is not determined by Cisco). To obtain the most current pricing for SS8 Networks, Inc.'s VCO/4K SS7 software licenses, send an e-mail to vco4k-ss7relicense@ss8.com.

Table 2 VCO/4K and VCO/4K SS7 Software Licenses Purchased by the Seller or Buyer (1) (3)—Select Only One License per System.

Cisco Part Number (3)	Cisco Description	Notes
LLVCO-G	VCO4K—License	4
LLVCO-G-7ISUP	VCO4K w/ SS7 ISUP—License	3, 6
LLVCO-G-7ISUP-T	VCO4K w/ SS7 ISUP w/ TCAP—License	3, 6
LLVCO-G-7ISUP-M	VCO4K w/ SS7 ISUP w/ MSP—License	3, 5, 6
LLVCO-G-7CTUP	VCO4K w/ SS7 China TUP—License	3, 6
LL-NOVCO-7ISUP	SS7 ISUP—License	2, 3, 6
LL-NOVCO-7ISUP-T	SS7 ISUP w/ TCAP—License	2, 3, 6
LL-NOVCO-7ISUP-M	SS7 ISUP w/ MSP—License	2, 3, 5, 6
LL-NOVCO-7CTUP	SS7 China TUP—License	2, 3, 6

Notes:

- (1). This Table lists all possible Software Licenses for the Cisco VCO/4K product line and associated SS7 subsystems if any. Which Software Transfer License to purchase depends upon the system configuration being transferred. Select only one software license listed in this table for each system to be transferred.
- (2). If you are transferring just an SS7 subsystem (without a VCO/4K), then select one of these licenses.
- (3). When contacting SS8 Networks to purchase an SS8 Networks software license, please reference the Cisco part number in all correspondence with SS8 Networks.
- (4). The VCO/4K License grants the right to use all of the features of the Generic disk set and all other VCO/4K disk sets. For more details, see the section entitled "Cisco's Policy of Use of Features Within the VCO/4K and VCO/4K SS7 Software".
- (5). MSP stands for the ITU ISUP Multi Signalling Point software feature.
- (6). The SS7 License grants the right to use all the features of the SS7 software. For more details, see the section entitled "Cisco's Policy of Use of Features Within the VCO/4K and VCO/4K SS7 Software".

Ordering Licenses

When the seller (or Compro Technologies on the seller's behalf) orders a software license from Cisco, the buyer's e-mail address must also be provided to Cisco. After the order is processed, an e-mail is sent to the buyer's e-mail address; the e-mail contains a digital license agreement (DLA) giving the buyer the rights to use Cisco's software.

If the seller orders a software license from SS8 Networks, the buyer's e-mail address must also be provided to SS8 Networks. After the order is processed, an e-mail is sent to the buyer's e-mail address; the e-mail contains a digital license agreement (DLA) giving the buyer the rights to use SS8 Networks' software.

Ordering Cisco Licenses from Cisco via Cisco.com

If you have a direct purchase agreement with Cisco and you wish to order Cisco VCO/4K and VCO/4K SS7 software licenses, go to Networking Products MarketPlace tool at: <http://www.cisco.com/en/US/ordering/index.shtml>

Select "Configure, Price, and Place Your Order"

If you do not have a direct purchase agreement with Cisco and you wish to order a software license(s), contact Cisco's partner, Compro Technologies (contact information was given previously).

Ordering Cisco Licenses from Cisco via Fax or Phone

If you have a direct purchase agreement with Cisco and you wish to order Cisco VCO/4K and VCO/4K SS7 software licenses by phone, contact the Cisco Customer Service Center at 800-553-6387 or (408) 526-7208, press 3 for “Customer Service,” and a Cisco representative will assist you.*

**Note: For this software license program, Cisco does not accept credit card orders, but does accept faxed-in purchase orders.*

If you do not have a direct purchase agreement with Cisco and you wish to order a software license(s), contact Compro Technologies at the address indicated previously.

Ordering SS7 Licenses from SS8 Networks

If ordering an SS7 software license for a Cisco VCO/4K SS7 system, then you are required to purchase an SS7 software license directly from SS8 Networks. Contact SS8 Networks at (408) 428-3788 or vco4k-ss7relicense@ss8.com to make arrangements to pay the SS8 Networks portion of the software license fee.

Service Support Contracts

VCO/4K (NEBS), VCO/4K, and VCO/20 (4K) systems and associated SS7 subsystems to be sold are eligible for service support contracts, provided that software license fees are paid and the system passes an onsite inspection.

Note: Existing service contracts on systems to be transferred are nontransferable.

VCO/20, VCO/80 (NEBS), VCO/80 (4K) (NEBS), and SDS-1000 systems and associated SS7 subsystems to be sold are eligible for service support contracts only through Compro Technologies, Inc., and only at the sole discretion and terms and conditions of Compro Technologies, Inc. For more information, contact Compro Technologies at the address given previously.

For information about support contract fees, inspection fees, and inspection scheduling, send an e-mail to the following address: vco4k_support_alias@cisco.com.*

**Note: If your company does not already have a preexisting direct purchase arrangement with Cisco, contact Compro Technologies directly at sales@comprotech.com.*

Obtaining Software Feature Updates and Patches

Purchasing VCO/4K and SS7 software licenses makes the buyer (end user) eligible to use the software on the system sold to that user by the seller.

If the software provided on the system is not the latest software available through Cisco or Compro Technologies, then if the buyer wants to obtain the latest software feature updates and patches from Cisco or Compro Technologies, the system needs to be put under a support contract with Cisco or Compro Technologies*. Unlimited software feature updates and patches are then provided as part of the support contract pricing.

**Note: Cisco and Compro Technologies do not “sell” software and software updates. Software and software updates are provided only to those whose systems are under a support contract. SS8 Networks provides neither software nor software updates. All SS7-related software updates are provided through Cisco or Compro Technologies. SS8 Networks provides only SS7 software licenses and SS7 software key files (more about SS7 software key files is explained in the FAQ that follows).*

To request software feature updates and patches, follow the procedures outlined in your support contract agreement.

Frequently Asked Questions

Q. How do I know what software license part number to order, and what is the cost?

A. See the following two sections in this bulletin: “How to Determine Which Software Licenses to Purchase,” and “License Fees and License Part Number Lookup.”

Q. Are VCO/4K and VCO/4K SS7 software licenses eligible for discount?

A. Cisco's VCO/4K software licenses and VCO/4K SS7 software licenses are eligible for discount. SS8 Network's VCO/4K SS7 software licenses are not eligible for discount.

Q. What is the actual product that I, as the seller of a used VCO/4K system, will receive when I purchase a software license?

A. If the seller of a used VCO/4K system purchases Cisco's VCO/4K or VCO/4K SS7 software licenses directly from Cisco, then Cisco provides the seller with a receipt for that purchase.

If the seller of a used VCO/4K system purchases Cisco's VCO/4K or VCO/4K SS7 software licenses from Compro Technologies, then Compro Technologies provides the seller with a receipt for that purchase.

If the seller of a used VCO/4K system purchases SS8 Networks' VCO/4K SS7 software licenses, then SS8 Networks provides the seller with a receipt for that purchase.

Important: When the seller (or Compro Technologies on the seller's behalf) orders a software license from Cisco (and SS8 Networks, if applicable), the buyer's e-mail address must also be provided to Cisco (and SS8 Networks, if applicable). After the order is processed, an e-mail is sent to the buyer's e-mail address; the e-mail contains a DLA giving the buyer the rights to use Cisco's software (and SS8 Networks' software, if applicable) on the used VCO/4K system that the buyer purchased from the seller.

Q. What is the actual product that I, as the buyer of a used VCO/4K system, will receive when the seller purchases a software license(s) on my behalf?

A. The buyer (end user) receives a DLA sent directly by Cisco (and also by SS8 Networks, if applicable) via e-mail.

Q. How do I, as the seller of a used VCO/4K system, order Cisco licenses using the Cisco.com Networking Products MarketPlace tool?

A. The Cisco.com Networking Products MarketPlace tool is located at: <http://www.cisco.com/en/US/ordering/index.shtml>. If you have a preexisting purchase agreement with Cisco, then you are eligible to use the Cisco.com Networking Products MarketPlace tool.

(If you do not have a purchase arrangement with Cisco and you wish to order a software license(s), contact Compro Technologies at the address indicated previously).

When you add a license into the Networking Products MarketPlace tool, as shown in Figure 1, and you initially save your order (by clicking on the "Save Order" button), each item added will be in a status of "Incomplete/"

Figure 1

Snapshot of a Cisco MarketPlace Tool Order

Enter, configure, and revise line item

Line #	Product	Qty.	List Price	Discount	Unit Price	Extended Price	Status	Delete
1	LLSLTCE2= Cisco SLT Series IOS SS7 SIGNALING LINK TERMINATION	1	1300.00				Not Configurable Complete	<input type="checkbox"/>
2	LLSLTCE2= Cisco SLT Series IOS SS7 SIGNALING LINK TERMINATION	1	1300.00				Not Configurable Incomplete	<input type="checkbox"/>
3	LLFR4232-L3-IPX Catalyst 4000 L3 Enhanced IPX License	1	1995.00				Not Configurable Incomplete	<input type="checkbox"/>
4	New Line							<input type="checkbox"/>

Linnetotal: 0.00
Subtotal: 899.25

To transition each item from “Incomplete” to “Complete” (required before the system will allow you to submit the order), perform the following steps:

- (1) Click on “Incomplete” (whereby you will be taken to the “Modify details of a line item” screen) and enter the e-mail address of the company that is going to be using the software/software license (the buyer or end user). Do not use the e-mail address of the company that is selling or leasing the used VCO/4K system.
- (2) Enter any additional notes in the “Line Note” box—such as your e-mail address with the words “purchaser” next to it and any other information that you need to.
- (3) Click the “Save Order” button at the lower left (the status of the line will change from “Incomplete” to “Complete”).
- (4) Click on the “Back to Order Form” button.
- (5) Finally, click on the “Submit Order” button to submit your order. The system will generate a MarketPlace order ID number as your initial receipt.

Q. How do I order Cisco licenses by fax or over the phone?

A. Digital license agreements are orderable by fax. Digital license agreements are not orderable over the phone with credit card. If you have a preexisting purchase arrangement with Cisco, you can order software licenses from Cisco via fax.

To learn more about placing orders by fax, call Cisco Customer Service at 800-553-6387 or (408) 526-7208, and press 3 for Customer Service.

(If you do not have a purchase arrangement with Cisco and you wish to order a software license(s), contact Compro Technologies at the address indicated previously).

Q. How does this software licensing program relate to the Cisco Authorized Refurbished Equipment program?

A. The software licensing program described in this bulletin is separate from and not part of the Cisco Authorized Refurbished Equipment program, and is designed to allow Cisco customers and partners to re-sell or re-lease their Cisco VCO/4K and VCO/4K SS7 systems on the open market.

Separately, Cisco itself re-sells used Cisco equipment through its Cisco Authorized Refurbished Equipment program but, as stated previously, the Cisco VCO/4K and Cisco VCO/4K SS7 systems are not part of this program.

Systems that are part of the Cisco Authorized Refurbished Equipment program come with a software license and certificate of inspection.

Because they are not part of the Cisco Authorized Refurbished Equipment program, Cisco VCO/4K and VCO/4K SS7 software license and system inspection purchases are processed separately, as previously discussed.

Q. When will the VCO/4K and VCO/4K SS7 software license program go into effect? Will customers who have already sold used VCO/4K and VCO/4K SS7 systems on the open market before this program goes into effect now be required to pay for software licenses?

This policy goes into effect on the day that this product bulletin appears on Cisco.com. This product bulletin will be located here: http://www.cisco.com/en/US/products/hw/switches/ps2246/prod_bulletins_list.html. The Cisco VCO/4K homepage is located here: <http://www.cisco.com/en/US/products/hw/switches/ps2246/index.html>.

Customers selling VCO/4K and VCO/4K SS7 systems on the open market on or after the date this bulletin appears on Cisco.com are required to pay VCO/4K or VCO/4K SS7 software license fees described in this bulletin before transferring the system to the buyer.

VCO/4K or VCO/4K SS7 system transfers that occur before the date this bulletin appears on Cisco.com are not, nor ever will be, subject to pay software license fees.

Q. Do the software licenses come with any type of warranty from Cisco and SS8 Networks?

A. No. Cisco makes no warranties regarding the Cisco VCO/4K, Cisco VCO/4K SS7, and SS8 Network VCO/4K SS7 licenses. Also, SS8 Networks makes no warranties regarding the SS8 Network VCO/4K SS7 licenses.

Q. If the sale of the used system does not occur for any reason, and the licenses have already been paid for, will Cisco (and SS8 Networks, if applicable) issue a refund on the unused licenses?

A. If the VCO/4K or VCO/4K SS7 system transfer does not occur for any reason, and the licenses for such transfer have already been paid for, Cisco will issue a refund, less 10 percent, on the unused licenses for the applicable Cisco software products only—provided that the request is e-mailed to Cisco Systems at vco4k_support_alias@cisco.com within 15 working days* from the date the licenses were initially ordered.

**Note: "Ninety working days" if the purchaser of the software licenses is Compro, provided that Compro acted as the agent of the seller of the used VCO/4K or VCO/4K SS7 system.*

For information on the refund policy for Cisco VCO/4K and VCO/4K SS7 software licenses purchased from Compro Technologies, contact Compro Technologies at (609) 242-2211 or sales@comprotech.com.

For information on the refund policy for VCO/4K SS7 software licenses issued by SS8 Networks, contact SS8 Networks at (408) 428-3788 or vco4k-ss7relicense@ss8.com.

Q. When does this VCO/4K and VCO/4K SS7 software license program expire?

A. The VCO/4K and VCO/4K SS7 software license program expires on March 1, 2007. As a result, beginning March 1, 2007, used VCO/4K and VCO/4K SS7 systems can be sold without first paying Cisco (and SS8 Networks, if applicable), software license fees.

Q. What is the cost of changing the software of a VCO/4K SS7 system from American National Standards Institute (ANSI) ISDN User Part (ISUP) to International Telecommunication Union (ITU) ISUP or visa versa, or from ISUP to China Telephony User Part (TUP) or visa versa?

A. If the customer does not have the required software to make the system change, then that customer needs to purchase a support contract with Cisco or Compro Technologies in order to obtain the required software.

No extra hardware is needed to make this system change.

New SS8 Network SS7 key files need to be installed in the system in order for the system to be able to access the new SS7 software. Contact SS8 Networks directly in order to purchase and obtain the new SS7 key files.

Q. What is the cost of “upgrading” a VCO/4K SS7 system from a system that supports 1 through 4 links to a system that supports 5 through 8 links?

A. No software is needed to make this system change.

Extra hardware is needed to make this system change. Purchase, on the open market, one 4-link SBUS EIA/TIA-449 card for each SS7 CPU in the system. Remove the SBUS IO input/output (I/O) card from each SS7 CPU and install the newly purchased SBUS EIA/TIA-449 card in its place.

New SS8 Network SS7 key files will need to be installed in the system in order for the system to be able to access links 5 through 8. Contact SS8 Networks directly to purchase the new SS7 key files.

No fee for using this feature needs to be paid to Cisco. See “Cisco’s Policy on the Use of Features Within the VCO/4K and VCO/4K SS7 Software” later in this document.

Q. What is the cost of upgrading a VCO/4K SS7 system from ITU ISUP to ITU ISUP multisignaling point (MSP)?

No extra software is needed to make this system change.

No extra hardware is needed to make this system change.

New SS8 Network SS7 key files need to be installed in the system in order for the system to be able to access the MSP feature. Contact SS8 Networks directly to purchase the new SS7 key files.

No fee for using this feature needs to be paid to Cisco. See “Cisco’s Policy on the Use of Features Within the VCO/4K and VCO/4K SS7 Software” later in this document.

Q. I have further questions about this program. Whom should I contact?

A. For further questions about this program, send an e-mail to the following address: vco4k_support_alias@cisco.com.

Cisco Policy on the Use of Features Within the VCO/4K and VCO/4K SS7 Software

This section applies only to: partners who have purchased a Cisco VCO/4K system or Cisco VCO/4K SS7 directly from Cisco; end users who have purchased a Cisco VCO/4K system or Cisco VCO/4K SS7 system from an authorized Cisco partner (or reseller); and any other end users who have purchased the Cisco VCO/4K or Cisco VCO/4K SS7 software licenses (LL part numbers) explained in the previous section of this product bulletin.

At no additional charge, you may use any software feature that is present in the Cisco software at the time you acquire the Cisco VCO/4K system or Cisco VCO/4K SS7. Use of any other software feature that is not present in the Cisco software at such time requires you to purchase a support contract with Cisco or Compro Technologies in order to obtain updates to the Cisco software.

For used system purchases, if you are not sure whether or not a feature you need is in the Cisco software you are acquiring with your system purchase, send an e-mail to vco4k_support_alias@cisco.com asking for clarification.

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