

STE SCIP Upgrade Information

Changes Required for a COMPLETE STE Upgrade to Release 2.0

1. STE Hardware CHANGES: SCIP Upgrade Kit (requires the replacement of TWO boards in the STE, the modem and audio boards (only one board (modem) is swapped on the Data STE))
2. STE Software Update (see STE Software Update for additional details)
3. KOV-14 Software Update (see KOV-14 Software Update for additional details.) This update is necessary to enable SCIP signaling. Old (3.x) KOV-14 cards will work with a Release 2.0 STE but will not be able to make a secure SCIP call. When using a 3.x KOV-14 card in a Release 2.0 STE, SCIP signaling should be disabled on the STE.

IMPORTANT: All THREE changes MUST be completed before the STE can be used.

- **STE Release 2.0 Hardware Changes**

The STE hardware changes for Release 2.0 require the swapping of two new boards for two existing boards, the modem and audio boards (the Data STE only requires swapping of one board (the modem)).

IMPORTANT: The hardware upgrade should ONLY be performed by SCIP certified technicians. SCIP Upgrade certification is offered as part of the STE Training classes held at L-3 CS-E in Camden, NJ. Certain Government Depots should have SCIP certified technicians available to perform the upgrades at no cost. For more information about STE Training and SCIP installation certification see the STE Training Options hotlink located on the Government's Registered User's Area <https://www.iad.gov/securephone/index.cfm>

If desired L-3 Communication Systems - East can perform/install the STE Hardware AND Software Upgrades for a nominal cost of \$150. This cost INCLUDES shipment of the STE(s) back to the user. The user is responsible for any cost associated with the shipment of the STE to L-3's facility in Camden, NJ. See [SCIP Upgrade performed by L-3 Communications](#) for details on how to have L-3 perform the upgrade for you.

All fielded STEs were required to have their software updated to version 1C. If the STE being installed by L-3 is version 1A or 1B then there is an additional \$100 cost to upgrade the software to version 1C. To determine the current STE version see [How to determine the STE Software Version](#). NOTE: this additional cost of \$100 can be AVOIDED by performing the 1C Software Download prior to shipment of the STE to L-3 using the download feature available on the Government's STE Registered Users Area.

- **STE Release 2.0 Software Update**

IMPORTANT: do **NOT** download the STE Release 2.0 Software UNTIL the STE Release 2.0 Hardware changes have first been completed.

IMPORTANT: the SCIP Software upgrade assumes that the STE being upgraded is a STE 1C. STE 1C has been available since August 2000 and was a mandatory upgrade for all fielded STEs. Do **NOT** perform a 2.0 Software Download on a pre-1C (1A or 1B) STE. See [How to determine STE Software Version](#) to determine the current STE version.

Any registered user of the Government's STE User Area can download the STE software upgrade. To update software on a STE you MUST be the STE's TPA. If you are NOT a member of the Government's STE Registered User Area See [How to become a member of the Government's STE Registered User Area](#).

The STE Software Download is available via the Government's STE Registered User Area web page and can be performed by the following steps:

1. Go to the Government's STE web site at <https://www.iad.gov/securephone/index.cfm>

2. Log onto the Members network by pressing the lock icon in the upper right hand corner.
3. Enter *Username* and *Password* and press *Login*.
4. Press the *TPA / CPA (System Administration)* hotlink.
5. Follow the online instructions to download the software upgrade to your local computer and then onto the STE.

- **KOV-14 SCIP Software Update**

IMPORTANT: the KOV-14 SCIP Software update procedure is the **last step** of the software download INTO the STE. The operator will be prompted to remove the TPA card that was required for the STE software upgrade and insert the User card to be updated.

The KOV-14 Software Upgrade is performed **at the conclusion** of the STE Release 2.0 Software download. Additional User cards can now be updated on this STE. To update additional User cards, repeat the STE software changes step. Since the STE software is now current the steps to download software into the STE will be skipped and the operator will be prompted to insert another User card.

- **IMPORTANT: Enable Secure Signaling After SCIP Upgrade**

One of the new functions added to STE Release 2.0 is the ability to disable secure signaling. During the STE Release 2.0 software download this feature is DISABLED for all signaling. **When disabled this feature prohibits the ability to make a secure STU-III or SCIP call.** Therefore, after performing an STE Release 2.0 SCIP Upgrade THIS FEATURE MUST BE ENABLED FOR ALL SIGNALING BEFORE the user can make a secure call. This affects all STU-III signaling calls from the STE, including PSTN, ISDN and Tri-Tac.

To ENABLE Secure Signaling follow these steps:

1. Press the Menu button on the STE.
2. Select Terminal Management
3. Select Network Settings.
4. Scroll to Advanced Terminal Settings and press Select.
5. To enable the secure signaling setting Scroll to the desired setting and press Change.

It is recommended to enable ALL secure signaling settings. These include:

ISDN:

- Direct Dial
- STE on Voice Bearer
- SCIP
- STU-III Signaling

PSTN

- STU-III

SCIP

Tri-Tac

- STU-III

NOTE: Only STEs that are upgraded from Release 1C to Release 2.0 are affected.

- **SCIP Upgrade Costs**

	<u>Government (IDIQ) Direct Sales (MSRP)</u>	
FNBBDT Upgrade Kit A (Office & Tactical Models)	\$433	\$475
FNBBDT Upgrade Kit B (Data Model)	\$285	\$315
FNBBDT Upgrade Kit Installation (performed by L-3) for Release 1C STE	\$412	\$455
FNBBDT Upgrade Retrofit Kit (performed by L-3)	\$845	---

See [STE Release 2.0 Hardware Changes](#) for additional details.

- **Government STE Website (www.securephone.net/frontpage.htm)**
- **How to become a member of the Government's STE Registered User Area.**

The Government maintains a series of web pages associated with STE. The Government's homepage can be found at <http://www.securephone.net/frontpage.htm>. From this homepage ANYONE can get GENERAL STE product and ISDN information.

Important STE information is contained in the Government's STE Registered User Area pages, which are password protected. The Government's STE Registered User Area pages include:

- New Software Downloads
- STE Training
- STE Switch Configuration Guide
- STE/KOV-14 Policy and Keying Information
- STE Applications
- STE Quick Setup
- STE User's Manual
- STE Bulletins
- SCIP Kit Registration

Access to these pages is via a User ID and Password. As you can see this information is very important and valuable. Registration will also provide e-mail notice of important STE information updates. L-3 recommends

that all STE user's register on the Government's STE Registered Users Area. To register for the Government's STE Registered User Area web pages performed the following steps:

1. Go to the Government's STE web site at <http://www.securephone.net/frontpage.htm>.
2. To Login to the Members network press the lock icon in the upper right hand corner.
3. Press the *Join STE Website Now* hotlink
4. Fill out the online registration and press Submit.

- **How to order an SCIP Upgrade Kit**

For government sales (IDIQ) please see either <https://www.iad.gov/securephone/index.cfm> (or)

For direct sales (non-IDIQ) please contact Paul Boginsky, Contract Administrator.

Telephone: (856) 338-3495

Facsimile: (856) 338-2550

E-mail: Paul.Boginsky@L-3com.com

- **SCIP Upgrade performed by L-3 Communications**

IMPORTANT: do NOT ship any KOV-14 cards with the STE returned for SCIP upgrade.

IMPORTANT: create a Carry card for all User cards and then remove the User association. This is necessary because all associations will be **lost** when the STE is zeroized. The STE should be zeroized prior to shipment to L-3, and if not will be zeroized at L-3 as part of the STE Release 2.0 upgrade and testing. A single Carry card can be used for all associated User cards.

To have L-3 perform STE Release 2.0 upgrade perform the following steps:

1. Place an order for a SCIP Upgrade Kit WITH Installation either through the IDIQ contract or from direct sales from L-3.
2. Call L-3 to receive a Return Material Authorization (RMA) Number and shipping instructions. POC: Nancy Scarpato at (856) 338-3235.
3. Ship PRE-PAID to the following address:

L-3 Point of Contact
L-3 Communication Systems - East
11 Federal Street
Camden, NJ 08103

NOTE: When the upgraded STE is returned the operator **MUST:**

- Establish a TPA for the STE.
- Reestablish User association using the Carry card.
- Performed Release 2.0 Software download in order to upgrade any KOV-14 User cards. See [KOV-14 SCIP Software Update](#) for additional details.

- **How to determine STE Software Version**

To upgrade the STE to Release 2.0 (SCIP) the STE must be the latest software (version 1C). To determine the current version of your STE perform the following steps:

1. Press the Menu button on the STE.
2. Select Terminal Management.
3. Scroll to and then Select Terminal Audit Information.
4. Software Update TPA and Configuration TPA will be displayed. Press Scroll.
5. Current TPA and Software Serial # will be displayed. Press Scroll.
6. Software version will be displayed for:

- HP (Host Processor)
- NP (Network Processor)
- BT (Boot)
- MC (Modem Card)
- WG (Wedge)
- AC (Audio Card)

STE Release	R (computer)	HP	NP	MC	AC
1A	0367	0377	0361		
	0371	0378	0363		
1B	0435	0416	0438		
	0443	0416	0446		
	0451	0425	0456		
1C	0485	0445	0481	5519	29
2.0	0530	0527	0526	7512	39
2.1	0551	0543	0544	7522	40
2.2	0561	0552	0548	7529	43

- **Registration Procedure to Maintain Warranty**

IMPORTANT: to maintain your current STE warranty and to add the 90-day SCIP kit warranty the kit MUST be registered.

The SCIP Kit comes with a 90-day warranty. Also to maintain your CURRENT STE warranty and activate the 90-day SCIP Kit warranty one must register the SCIP Kit via the Government's Registered User's Area web pages. You will need to provide three serial numbers to register the SCIP Kit. The required serial numbers are:

- Modem board
- Audio board (NOT included in the Data STE SCIP Upgrade)
- STE serial number.

To register the SCIP Upgrade Kit perform the following steps:

1. Go to the Government's STE web site at <https://www.iad.gov/securephone/index.cfm>.
2. To Login to the Members network press the lock icon in the upper right hand corner.
3. Enter *Username* and *Password* and press *Login*.
4. Press ... (this site is currently under construction and not yet available)