

STE Frequently Asked Questions

- **What is the status of the STE program?**

The STE is operational and deployed. The latest software is Release 2.7. And next software release 2.8 to be available for release in 2012.

- **What is the difference between STE & STU-III?**

STE operates on the ISDN, PSTN & TRI/TAC Networks. On ISDN secure voice is 32kbps and secure data rates are 2.4kbps to 128kbps. STU-III voice is 2.4kbps or 4.8kbps and data rates are 2.4kbps to 9.6kbps. Also, The STE is not a CCI device with or without the Crypto Card inserted. The STE is considered only a high value inventory item. This requires that the KOV-14 and KSV-21 be handled at the classification level of the key material present until it has been "associated" with a STE. After "association", the KOV-14 and KSV-21 become Unclassified ALC-1 when not inserted in the STE.

- **What is the National Stock Number for STE?**

Office STE: 5810-01-546-5030

Tactical STE: 5810-01-546-5032

Data STE: 5810-01-546-5026

VoIP STE: 5810-01-581-1790

STE-R: 5810-01-546-5024

- **How do I get a STE User Manual?**

The STE User Manual is available on line at the STE Government Program Office's web site: <https://www.iad.gov/securephone/index.cfm>. Users must apply for access to the STE System Administration page via the on-line form. Confirmation will be by the STE Government Program Office via phone or e-mail. A CD-ROM version of the STE User Manual is delivered with each STE.

- **If I have a STE, how do I get software downloads?**

All or part of your STE Software may be updated via a Software Download. The current version of the STE software is available in the TPA section of the STE web site and can be downloaded with any web browser. The STE web site is located at

<https://www.iad.gov/securephone/index.cfm>. (NOTE: This web site is Username and Password protected, apply for access on-line)

- **What is a TPA?**

Terminal Privilege Authority (TPA) is like the security administration officer. TPA sets up security levels and applications, speakerphone (non-secure & secure) and associates user card to STE.

- **Will the STE support secure conferencing?**

Yes, the basic STE Release 2.0 or later performs 3 way secure conferencing in the STE mode on ISDN. Formal conferencing with more participants can be accomplished by using the Defense Red Switch Conference Bridge, or with the STE-R when connected to a Redcom switch configured as a Secure Bridge. A turn-key conference bridge (Secure Voice Conferencing System) also is available from L-3.

- **How to order Video Conferencing for your STE?**

Call Gary Sharpe at SCOTTY. His phone number is 770-825-0574. Ask about Desktop VTC systems for STE.

- **What do I need between phone jack and STE?**

If the phone service provides a 2 wire "U" interface, an NT1 is needed to change to an 8 wire (4 wires not used, they supply power that STE does not use) "S/T" interface. Tone Commander NT1U-220TC or NT1U-100TL recommended part. See website

<http://www.tonecommander.com/>

- **Does the STE work with a push-to-talk handset?**

Yes, order the same way as ordering STEs.

- **When configuring STE for secure video what should be the Red Data port settings, RS-232 or RS-530A?**

Set the Red Data Port to RS-530A.

- **What are the STE signaling rates when in the ISDN mode?**

Secure Voice: ADPCM @ 32kbps. MELP@2.4kbps 6729D@6.4Kbps (FNBBDT) Secure Data Sync: 2.4kbps, 4.8kbps, 9.6kbps, 19.2kbps, 38.4kbps, 56kbps, 64kbps, 112kbps & 128kbps. Async: 2.4kbps, 4.8kbps, 9.6kbps, 19.2kbps & 38.4kbps. Non-Secure Voice: PCM. Common STU-III rates

- **What are the STE interfaces?**

ISDN: RJ-45, PSTN: RJ-11, TRI-TAC: 4 wire Molex 4304500400 connector or 4 wire post (with separate adapter sleeve), Red Data Port: 25-pin D female, BDI: 25-pin D male, Power Supply: 9-pin male.

- **How do I order an ISDN Line?**

Refer to the STE User Manual, and the STE web site at <https://www.iad.gov/securephone/index.cfm> and study the STE Switch Configuration Guide. (NOTE: This web site is Username and Password protected, apply for access on-line).

- **For STE remote control operation, with remote authentication enabled, what do you type at the "Verify" prompt?**

Type AT+C1 to get the Connect message for the on-line state. R.A. lets the user verify the incoming call by the far end id codes he sees. If R.A. is disabled, then ACL must be enabled with the DAO or KMID of the far end entered in the near end STE. ACL goes right to the Connect message.

- **What type of interface is the Red Data port?**

RS-232 or RS-530A 25 pin D connector.

- **Does the STE need 2 SPIDs?**

Only for bonding, STE will work with only 1 SPID even if the switch has two SPIDs assigned. SPIDs are not required for the Euro-ISDN setting.

- **What do I do if I get a Self-Test Failure: HP 0004?**

Software Verification Error, insert a known good Crypto Card and do a reset by simultaneously depressing both the MODE and MUTE keys.

- **What switch types are compatible with the STE?**

Network US ISDN, NI-1/NI-2, 5ESS, 5ESS-8510, DMS-100, DEFINITY-WCBRI, DEFINITY-8510T, Euro-ISDN, Digital PBX, and MSE, POTS. For more information go to the STE web site at <https://www.iad.gov/securephone/index.cfm> and study the STE Switch Configuration Guide. (NOTE: This web site is Username and Password protected, apply for access on-line)

- **What do I do if I can't pass data at 128kbps?**

Check to see if bonding is setup. If no ISDN probe is available then try the following: Place a call using the speakerphone. After scroll comes up on the display watch the speakerphone LED. The LED should go out once a data call is established. Also the only way to go on-hook is with Call Appearance button.

Other things to check: 2nd SPID not entered or 2nd directory number not entered on the far end of STE.

- **What do I do if my bonding call fails after 30 seconds?**

2nd SPID not entered or 2nd directory number not entered on the far end of STE.

- **How does the TRI-TAC switch connect to a STE?**

Either 4 wire with a TRI-TAC Interface sleeve or 4 wire Molex Connector: Part numbers

Molex 430-45-0402 Connector

Molex 430-30-0009 Pin

Molex EDP# 11-01-0200 Crimp Tool

- **What is the BDI (Black Digital Interface) interface?**

BDI is EIA-530A or EIA-232, Male, 25 pin "D" Connector and it is software selectable.

- **What is the data rate of the BDI Port?**

Non-secure Voice rates are 2.4kbps LPC-10 or 4.8kbps & 9.6kbps CELP.

Secure Voice rates are 2.4kbps LPC-10 or 4.8kbps CELP.

Secure Data rates are sync and async at 2.4kbps, 4.8kbps & 9.6kbps.

- **Is the BDI interoperable with STEs at the far end not using the BDI?**

Yes, along with STU-IIIs. The BDI port is designed to be a point-to-point connection between two STEs.

- **Can a STE be shipped to a destination without Zeroizing the terminal?**

As long as the KSV-21 is not being packaged with the STE, the user can ship STE to its destination without having to zeroize STE.