



National Instruction for Approved Telephone Equipment

(formerly the Telephone Security Guide (TSG) Standard 6)



National Manager

FOREWORD

1. The National Telephone Security Working Group (NTSWG), formerly the Telephone Security Group (TSG), is the primary technical and policy resource of the Federal Government for all aspects of the technical security program involving telephone systems. The TSG was chartered under the Security Policy Board to produce TSG standards. In 2005, the CNSS Subcommittee Co-Chairs, on behalf of the CNSS Chair, approved and sanctioned the TSG as the National Telecommunications Security WG. In 2010, the WG name changed to National Telephone Security.

2. The TSG standards contain guidance for providing on-hook security to telephone systems in areas where sensitive government information is discussed. Implementation of TSG standards neither prevents the application of more stringent requirements, nor satisfies the requirements of other security programs such as TEMPEST, Communications Security (COMSEC), or Operation Security (OPSEC). TSG standards will be replaced by and issued as CNSS Instructions (CNSSIs).

3. The TSG issued standards are comparable on the Intelligence Community Directive (ICD) Series: No. 705, "Sensitive Compartmented Information Facilities (SCIF)," 26 May 2010; Intelligence Community Standard (ICS) No. 705-1, "Physical and Technical Standards for SCIF," 17 September 2010; and ICS No. 705-2, "Standards for Accreditation and Reciprocal Use of SCIF," 17 September 2010, which delineated SCIF compliance for the protection of sensitive information and unclassified telecommunications information processing systems and equipment.

4. This edition has been revised and divided into three major sections: (1) currently manufactured items, (2) manufacturer discontinued items, and (3) CNSS Secretariat Manager's Memoranda identifying new devices. This instruction also serves as an historical reference to allow verification of the approval status of devices no longer manufactured, regardless of TSG or CNSS approval serial number designation.

5. CNSS Instruction No. 5006 is effective on the date of signature.

6. Copies of this instruction are available as listed below or website: www.cnss.gov.

FOR THE NATIONAL MANAGER

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COMMITTEE ON NATIONAL SECURITY SYSTEMS

CNSS Instruction No. 5006

NATIONAL INSTRUCTION FOR APPROVED TELEPHONE EQUIPMENT

<u>TITLE</u>	<u>SECTION</u>
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SECTION I - PURPOSE

1. CNSS Instruction No. 5006, “National Instruction for Approved Telephone Equipment,” formerly the TSG Standard 6, “Telephone Security Guide Standards,” is the primary authority and recognized source of CNSS-approved telephone security equipment. This equipment has been specifically evaluated by the NTSWG for security effectiveness.

SECTION II - APPLICABILITY

2. This instruction applies to all telephone equipment installations that require on-hook audio security. This issuance will be updated on a quarterly basis or as appropriate to reflect the latest changes or amendments as telephone security equipment is added or deleted.

SECTION III – SCOPE

3. The provisions of this instruction apply to all telephony security equipment and/or systems that currently reside, or will reside, in U.S. Government or U.S. Government-sponsored contractor spaces where national security systems are employed and/or within environments where classified national security information is discussed, stored, processed, transmitted, or when used as a point of isolation in accordance with Telephone Security Group (TSG) Standard 1, “Introduction to Telephone Security,” March 1990, and, as amended, by Telephone Security Group (TSG) Standard 2a,” NTSWG Guidelines for Computerized Telephone Systems Supplemental,” March 2001.

4. This instruction shall be referenced and included in U.S. Government-sponsored procurement specifications to define NTSWG type accepted telephones.

5. This instruction shall be made available to telephone manufacturers who are supporting U.S. Government requirements for NTSWG approved telephone equipment.

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SECTION IV - SUBMISSION PROCEDURE

6. A telephone manufacturer will submit telephone devices and ancillary equipment for evaluation through the NTSWG for type-acceptance. A Government sponsor is required as part of the submission process. Equipment will be tested by a certified lab(s) that is/are agreed to and/or recognized by the government and private sector telephone security representatives and the results reviewed by the NTSWG. Devices meeting type-acceptance requirements will receive a vote to “recommend approval” by the National Manager for National Security Telecommunications and Information Systems Security. Upon approval, the device will be accredited; an update will be issued in the form of a CNSS Secretariat Manager’s Memoranda that is documented in ANNEX C.

7. The lack of a certified telephone security lab to test and evaluate new and/or modified telephone equipment may cause difficulty for an organization in locating currently approved equipment. The absence of such a facility (e.g. NSA FABLER Lab) will have an adverse impact on the national security community’s ability to implement references issuances in this instruction that requires use of approved telephone equipment.

SECTION V - APPROVED EQUIPMENT

8. CNSS-accredited telephone devices and ancillary equipment that meets type-accepted specifications is listed in ANNEX A “Currently Manufactured Items” or ANNEX B “Manufacturer Discontinued Items.” Refurbished or modified equipment that does not possess full license may no longer be in compliance with the type-accepted specifications of the original device and must be resubmitted for a new evaluation by a certified lab(s) that is/are agreed to and/or recognized by the government and private sector telephone security representatives and the results reviewed by the NTSWG.

SECTION VI – RESPONSIBILITIES

9. Heads of Federal Departments and Agencies shall:

a. Develop, fund, implement, and manage programs necessary to ensure that the goals of this instruction for implementing and maintaining CNSS-approved telephone security equipment in their sensitive discussion areas are achieved and that plans, programs, and related-CNSS issuances that implement this instruction are fully supported.

b. As appropriate, incorporate the content of this instruction into annual user education, training, and awareness programs for installing, using, and maintaining telephone equipment approved for on-hook audio security where sensitive or national security information is discussed or processed.

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CNSS Instruction No. 5006

Encl:

ANNEX A CURRENTLY MANUFACTURED ITEMS

ANNEX B MANUFACTURER DISCONTINUED ITEMS

ANNEX C CNSS SECRETARIAT MANAGER'S MEMORANDA

COMMITTEE ON NATIONAL SECURITY SYSTEMS

ANNEX A

CURRENTLY MANUFACTURED ITEMS

The Annex is composed of five sections and contains a listing of all items approved, currently in use, and being manufactured. The sections are: (1) Voice Over Internet Protocol Telephones Type-Accepted (2) Digital Telephones Type-Accepted (3) Analog Telephones and Equipment Approved (4) Isolation Devices and (5) Other

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Isolation Devices.....	A-4-1
Section 5	
Other	A-5-1

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ANNEX B

MANUFACTURER DISCONTINUED ITEMS

The Annex contains a listing of all items **no longer being manufactured**, but are still in use. Three sections compose Annex B: (1) Telephones Type-Accepted in accordance with TSG Standard 3, (2) Telephones Type-Accepted in accordance with TSG Standard 4, and (3) Telephones and Equipment Approved in accordance with TSG Standard 5.

Telephones Type-Accepted in accordance with TSG Standard 3

Section 1

TSG Type-Acceptance Program for Telephones used with the Conventional Central Office Interface..... B-1-1

Telephones Type-Accepted in accordance with TSG Standard 4

Section 2

TSG Type-Acceptance Program for Electronic Telephones..... B-2-1

Telephones and Equipment Approved in accordance with TSG Standard 5

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On-Hook Telephone Audio Performance Specifications..... B-3-1

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Other TSG-Approved Telephones..... B-4-1

Section 5

TSG-Approved Disconnect/Isolation Devices..... B-5-1

Section 6

Ringer Protection B-6-1

Section 7

TSG-Approved Handsets B-7-1

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Miscellaneous TSG-Approved Equipment..... B-9-1

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ANNEX C

LIST OF CNSS SECRETARIAT MANAGER MEMORANDA

This Annex contains a listing of Advisory Memoranda that identify new devices approved by the Committee on National Security Systems. All Unclassified CNSS Secretariat Manager Memoranda are posted on the CNSS public domain website, www.cnss.gov, under “ISSUANCES => OTHERS.”

ANNEX A

Voice over Internet Protocol Telephones Type-Accepted

Voice over Internet Protocol Telephones Type-Accepted

DEVICE TYPE: Type-accepted Class-A VoIP telephone

MANUFACTURER: Tone Commander Systems, Inc.

MODEL: 7810-TSG

TRADE NAME: Not available

DESCRIPTION & USE: This Class-A VoIP telephone has a copper RJ-45 network interface and uses IETF RFC 3261 compliant Session Initiation Protocol (SIP) for universal compatibility.

URL: <http://www.tonecommander.com/phones/7810-tsg.htm>

ORDER CODE: 1010294701

POINT OF CONTACT: Steve Walker
Tone Commander Systems
11609 49th Place West
Mukilteo, WA 98275
Voice: (800) 524-0024 / Fax: (425) 349-1010
sales@tonecommander.com

CNSS NUMBER: CNSS-A-01-2009

PRICE: \$599.00 each

AS OF: 5 November 2009

COMMENTS: The 7810-TSG may be used with the Tone Commander 8030 Button Expansion Module, and/or a headset without affecting type-acceptance.

Voice over Internet Protocol Telephones Type-Accepted

DEVICE TYPE: Type-accepted Class-A VoIP telephone

MANUFACTURER: Nortel Networks

MODEL: 1120SA

TRADE NAME: Not available

DESCRIPTION & USE: This Class-A VoIP telephone has a copper RJ-45 network interface and uses UNISTIM protocol for compatibility with [Avaya Communication Servers.]
URL: <http://www.avayagov.com/1120SA>

ORDER CODE: NTYS03SPGS

POINT OF CONTACT: Lesa Murphy
Avaya Government Solutions
12730 Fair Lakes Circle
Fairfax, VA 22033
Voice: (703) 279-3735
Lesa.murphy@avayagov.com

CNSS NUMBER: CNSS-A-03-2009

PRICE: \$878.12 each (includes power supply & NA cable)

AS OF: 5 November 2009

COMMENTS: The 1120SA must be used with Power supply part # NTYS17SAGS and NA cable part # NTYS14AAE6 to maintain type-acceptance. The order code provided corresponds to a kit that includes the 1120SA and the required power supply and cable. The 18-button Expansion Module for IP Phone 1100 Series (part # NTYS08) may be used without affecting type-acceptance.

*Nortel Networks purchased by Avaya
Government Solutions, Inc*

Voice over Internet Protocol Telephones Type-Accepted

DEVICE TYPE: Type-accepted Class-B VoIP telephone

MANUFACTURER: L3 Communication Systems-East

MODEL: STE VoIP FNBBDT OFFICE (IP STE)

TRADE NAME: Not available

DESCRIPTION & USE: This Class-B VoIP telephone has a copper RJ-45 network interface and uses Cisco Systems' Skinny Call Control Protocol (SCCP) for compatibility with the Cisco Unified Communications Manager. The phone incorporates Secure Communications Interoperability Protocol (SCIP) signaling to enable interoperability with other SCIP, wired and wireless terminals on the public switched telephone network (PSTN). The VoIP capability is adapted to the STE terminal through a kit that includes the IP network interface card and VoIP STE software.

URL: <http://www.l-3com.com/cs-east/ia/ste>
IAD Securephone URL:
<https://www.iad.gov/SecurePhone/index.cfm>

ORDER CODE: K10052258-501

POINT OF CONTACT: Mr. Paul Boginsky
Principal Contracts Administrator, Information Assurance
Mailstop - A&E 3C
L-3 Communications Communication Systems - East
1 Federal Street, Camden, New Jersey, 08103
Voice: (856) 338-3495 FAX: (856) 338-2550
E-mail: Paul.Boginsky@L-3Com.com

CNSS NUMBER: CNSS-A-05-2009

PRICE: \$3500.00 each

AS OF: 5 November 2009

COMMENTS: Requires a KSV-21 or KOV-14 Crypto Card for secure SCIP communication. The telephone must be directly connected to a network switching device that is collocated within the same secure area as the telephone. The IP STE can be configured with either the originally supplied SMC 8041TX PCMCIA card or the newer SMC GLNADL-100N PCMCIA card without affecting its approval.

Voice over Internet Protocol Telephones Type-Accepted

DEVICE TYPE: Type-accepted Class-A VoIP telephone

MANUFACTURER: CIS Secure Computing, Inc.

MODEL: CIS 7962

TRADE NAME: Not available

DESCRIPTION & USE: This Class-A VoIP telephone has an SC fiber optic network interface and uses Cisco Systems' Skinny Call Control Protocol (SCCP) for compatibility with the Cisco Unified Communications Manager.
URL: <http://cissecure.com/Products.aspx?ProductLineID=5>

ORDER CODE: DTD-7962-TSG-01

POINT OF CONTACT: CIS Secure Computing
43671 Trade Center Place, Suite 142
Dulles, VA 20166
Voice: (703)996-0500, ext. 3180 FAX: (703)996-1111
E-mail: sales@cissecure.com

CNSS NUMBER: CNSS-A-06-2009

PRICE: \$899.00 each

AS OF: 20 January 2010

COMMENTS: None submitted

Voice over Internet Protocol Telephones Type-Accepted

DEVICE TYPE: Type-accepted Class-B VoIP telephone

MANUFACTURER: General Dynamics

MODEL: VIPC1000

TRADE NAME: Sectéra® vIPer™ Universal Secure Phone

DESCRIPTION & USE: This Class-B VoIP telephone enables both secure and non-secure calls over IP networks running either Skinny Call Control Protocol (SCCP) or Session Initiation Protocol (SIP). The telephone provides integrated security for end-to-end secure communications. The phone incorporates Secure Communications Interoperability Protocol (SCIP) signaling to enable interoperability with other SCIP, wired and wireless terminals.

URL: [http:// www.gdc4s.com/secureproducts](http://www.gdc4s.com/secureproducts)
IAD Securephone URL:
<https://www.iad.gov/SecurePhone/index.cfm>

ORDER CODE: VIPC1000-XA

POINT OF CONTACT: General Dynamics
8220 East Roosevelt Street
Scottsdale, Arizona 85257

Attn: Bill Michie, (480) 675-2768
Email: Bill.Michie@gdc4s.com

CNSS NUMBER: CNSS-B-01-2010

PRICE: \$2895.00 each

AS OF: 22 March 2010

COMMENTS: The Class B telephone must be directly connected to a network switching device that is collocated within the protected areas as the telephone. Only vIPer telephones with firmware update 2.1 or later are approved. The telephone requires a proper key load to establish secure SCIP communications.

Voice over Internet Protocol Telephones Type-Accepted

DEVICE TYPE: Type-accepted Class-A VoIP telephone

MANUFACTURER: Tone Commander Systems, Inc. /Teo Technologies, Inc.

MODEL: 7810PoE-TSGA

TRADE NAME: “Tone Commander” or “Teo”

DESCRIPTION & USE: This Class-A VoIP telephone has a copper RJ-45 network interface and uses IETF RFC 3261 compliant Session Initiation Protocol (SIP) for universal compatibility. It supports Power over Ethernet and includes an additional switched Ethernet port for connection to a local PC workstation.

URL: <http://www.teotech.com/solutions/tsg-6>

ORDER CODE: 1010296401

POINT OF CONTACT: Steve Hill
Tone Commander Systems
11609 49th Place West
Mukilteo, WA 98275
Voice: (800) 524-0024 / Fax: (425) 349-1010
sales@tonecommander.com

CNSS NUMBER: CNSS-A-04-2010

PRICE: \$679.00

AS OF: 6 July 2010

COMMENTS: The 7810PoE-TSGA may be used with the Tone Commander/Teo 8030X Button Expansion Module, and/or a headset without affecting type-acceptance. Power to the phone can be supplied via Power over Ethernet from an 802.3af compatible Ethernet switch or by a –PWR1 local power supply option.

Voice over Internet Protocol Telephones Type-Accepted

DEVICE TYPE: Type-accepted Class-B VoIP telephone

MANUFACTURER: Tone Commander Systems, Inc./Teo Technologies, Inc.

MODEL: 7810PoE-TSGB

TRADE NAME: “Tone Commander” or “Teo”

DESCRIPTION & USE: This Class-B VoIP telephone has a copper RJ-45 network interface and uses IETF RFC 3261 compliant Session Initiation Protocol (SIP) for universal compatibility. It supports Power over Ethernet and includes an additional switched Ethernet port for connection to a local PC workstation.

URL: <http://www.teotech.com/solutions/tsg-6>

ORDER CODE: 1010296501

POINT OF CONTACT: Steve Hill
Tone Commander Systems
11609 49th Place West
Mukilteo, WA 98275
Voice: (800) 524-0024 / Fax: (425) 349-1010
sales@tonecommander.com

CNSS NUMBER: CNSS-A-05-2010

PRICE: \$599.00

AS OF: June 2010

COMMENTS: The 7810PoE-TSGB may be used with the Tone Commander/Teo 8030X Button Expansion Module, and/or a headset without affecting type-acceptance. Power to the phone can be supplied via Power over Ethernet from an 802.3af compatible Ethernet switch or mid-span power source, or by a PWR1 local power supply option.

Voice over Internet Protocol Telephones Type-Accepted

DEVICE TYPE: Type-accepted Class A TEMPEST Voice over Internet Protocol Telephone

MANUFACTURER: Advanced Programs, Incorporated

MODEL: DNT 502

TRADE NAME: API 7962 TEMPEST Secure VoIP Telephone

DESCRIPTION & USE: This Class-A TEMPEST VoIP telephone has an internal 2-port fiber optic Ethernet switch that allows for a direct connection to a 100mb fiber optic Ethernet network through an SC interface with single LAN connectivity for both phone and collocated PC. This phone uses Cisco Systems' Skinny Call Control Protocol (SCCP) for compatibility with the Cisco Unified Communications Manager. The phone incorporates Secure Communications Interoperability Protocol (SCIP) signaling to enable interoperability with other SCIP, wired and wireless terminals on the public switched telephone network (PSTN).

URL: <http://www.advprograms.com/>

ORDER CODE: DNT-502-02

POINT OF CONTACT: Advanced Programs, Inc.
7125 Riverwood Drive
Columbia, Maryland 20146

Attn: Mr Larry Snyder, (410) 312-5890

CNSS NUMBER: CNSS-A-08-2010

PRICE: \$2,310.00 ** Please contact API for Program Pricing

AS OF: 22 October 2010

COMMENTS: None submitted

Voice over Internet Protocol Telephones Type-Accepted

DEVICE TYPE: Type-accepted Class B Voice over Internet Protocol Telephone

MANUFACTURER: Advanced Programs, Incorporated

MODEL: DNC 502

TRADE NAME: API 7962 Secure VoIP Telephone

DESCRIPTION & USE: This Class-B VoIP telephone has an internal 2-port Ethernet switch that allows for a direct connection to a 10/100BASE-T Ethernet network through an RJ-45 interface with single LAN connectivity for both phone and collocated PC. The phone supports power over Ethernet and AC power. This phone uses Cisco Systems' Skinny Call Control Protocol (SCCP) for compatibility with the Cisco Unified Communications Manager. The phone incorporates Secure Communications Interoperability Protocol (SCIP) signaling to enable interoperability with other SCIP, wired and wireless terminals on the public switched telephone network (PSTN). Speakerphone functionality is included.

URL: <http://www.advprograms.com/>

ORDER CODE: DNC-502-10

POINT OF CONTACT: Advanced Programs, Inc.
7125 Riverwood Drive
Columbia, Maryland 20146

Attn: Mr Larry Snyder, (410) 312-5890

CNSS NUMBER: CNSS-B-10-2010

PRICE: \$1,157.00 ** Please contact API for Program Pricing

AS OF: 22 October 2010

COMMENTS: This is a Class B telephone and must be directly connected to a network switching device that is collocated within the same protected area as the telephone.

Voice over Internet Protocol Telephones Type-Accepted

DEVICE TYPE: Type-accepted Class B Cisco 7965 VoIP Phone with PoE

MANUFACTURER: CIS Secure Computing, Inc.

MODEL: DTD-7965-TSGB

TRADE NAME: CIS 7965 TSG PoE VoIP Phone

DESCRIPTION & USE: The DTD-7965-TSGB, CNSS 5001 Class B certified VoIP telephone, supports PoE and AC power; approved for SCIF and SAPF environments; and allows the on-hook security features to be engaged while in a call providing enhanced “Hold” and “Mute” security.

URL: <http://cissecure.com/Products.aspx?ProductLineID=5>

ORDER CODE: DTD-7965-TSGB

POINT OF CONTACT: CIS Secure Computing
Attn: John Turner
43671 Trade Center Place, Suite 142
Dulles, VA 20166
Voice: (703)996-0500, ext. 3180 FAX: (703)996-1111
E-mail: sales@cissecure.com

CNSS NUMBER: CNSS-B-07-2010

PRICE: \$865.00

AS OF: 17 May 2011

COMMENTS: A Class B telephone that must be directly connected to a network switching device and collocated within the same protected area as the telephone. Soft key HOLD function is to be disabled at the Call Manager to be compliant with the CNSSI 5001 requirements. The positive disconnect feature is set to “manual mode,” which requires user activation when taking the phone off-hook. The positive disconnect feature reengages automatically once the phone is returned to an on-hook position.

Features include:

- Positive disconnect On-Hook Security
- Headset and Speakerphone enabled
- Class B CNSS5001 Type Acceptance
- Approved optional accessories include power supply, headset, push-to-talk handset, and additional line appearance 7916 "side car"
 - Dual Mode 802.af3 PoE or 110-240VAC power

Voice over Internet Protocol Telephones Type-Accepted

DEVICE TYPE:	Type-accepted Class A TEMPEST Certified Cisco VoIP Phone
MANUFACTURER:	CIS Secure Computing, Inc.
MODEL:	DTD-7962-T2
TRADE NAME:	CIS 7962 TEMPEST VoIP Phone
DESCRIPTION & USE:	<p>The DTD-7962-T2, TEMPEST Certified version of the Cisco 7962G Unified IP Phone and is a full-featured, IPv6, SCCP and SIP capable IP phone. It also includes CNSS approved “TSG6” security features for Positive Disconnect On-Hook Security.</p> <p>URL: http://cissecure.com/Products.aspx?ProductLineID=5</p>
ORDER CODE:	DTD-7962-T2
POINT OF CONTACT:	<p>CIS Secure Computing Attn: John Turner 43671 Trade Center Place, Suite 142 Dulles, VA 20166 Voice: (703)996-0500, ext. 3180 FAX: (703)996-1111 E-mail: sales@cissecure.com</p>
CNSS NUMBER:	CNSS-A-06-2010
PRICE:	\$1,999.00
AS OF:	17 May 2011
COMMENTS:	<p>The DTD-7962-T2 provides six programmable backlit line/feature buttons and four interactive soft keys that guide a user through call features and functions, and audio controls. The CNSSI 5001 defined positive disconnect feature is manually activated, provides a clear illuminated indication of when the phone audio is active, and engages automatically when the phone is hung up. The DTD-7962-T2 comes standard with a 100MB SC Fiber Ethernet LAN and PC ports. A wired headset and push-to-talk handset are available as options. Speakerphone capabilities are removed from the phone.</p> <p>CTP II certified to meet the following TEMPEST standards:</p> <ul style="list-style-type: none">• NSTISSAM 1-92 Level I• NATO SDIP-27 Level A

Voice over Internet Protocol Telephones Type-Accepted

DEVICE TYPE: Type-accepted Class-B Voice over Internet Protocol Telephone

MANUFACTURER: Avaya Government Solutions, Inc.

MODEL: 9620L-PDB TSG

TRADE NAME: VoIP Telephone

DESCRIPTION & USE: Type Accepted Class B IP Phone brings security and innovative features to desktop communications for deployment inside of Sensitive Compartmented Information Facilities (SCIFs). The IP Phone 9620L-PDB unveils an array of innovative and secure voice-over-IP communication features and capabilities. It can be utilized either with PoE or AC power adapter and must be ordered through Avaya Government Solutions. Additional IP Telephony solutions information is available from your Avaya Government Solutions Sales Representative, Avaya Authorized Business Partner, or visit avayagov.com to search under **Products > Unified Communications > Phones**.

ORDER CODE: 700478472 9620L-PDB
Note: If AC power capability is required Power Supply material code 700434897 and Power Cord material code 405362641 would need to be purchased separately.

POINT OF CONTACT: Avaya Government Solutions
12730 Fair Lakes Circle
Fairfax, VA 22033
Voice: (703) 227-8859
Randy Campbell, Randy.campbell@avayagov.com

CNSS NUMBER: CNSS-B-11-2010

PRICE: \$1107.00

AS OF: 16 November 2010

COMMENTS: This is a Class B telephone and must be directly connected to a network switching device that is collocated within the same protected area as the telephone. Additionally, the telephone must be shipped with the DIP switches set for “manual mode” to ensure all isolation functions are engaged.

Voice over Internet Protocol Telephones Type-Accepted

DEVICE TYPE: Type-accepted Class-A Fiber Voice over Internet Protocol Telephone

MANUFACTURER: Nortel Networks

MODEL: 1120SF

TRADE NAME: IP Telephone

DESCRIPTION & USE: None submitted

ORDER CODE: Not available

POINT OF CONTACT: Nortel Networks
12730 Fair Lakes Circle
Fairfax, VA 22033
Attn: Randy Campbell, Voice: (703) 227-8859

CNSS NUMBER: CNSS-A-08-2009

PRICE: Not available

AS OF: 18 December 2009

COMMENTS: None submitted

ANNEX A

Digital Telephones Type-Accepted

Digital Telephones Type-Accepted

DEVICE TYPE: Mitel SS4025 Secure digital telephone

MANUFACTURER: Mitel Networks

MODEL: Proprietary Digital Set

TRADE NAME: SS4025 Secure

DESCRIPTION & USE: Office telephone designed for use with Mitel PBX products.

ORDER CODE: 50002590 – Dark Grey / 50002589 – Light Grey

POINT OF CONTACT: Mitel Networks
205 Van Buren Street, Suite 400
Herndon, VA 20170-5336
(703) 318-7020
john_capponi@mitel.com

TSG NUMBER: TSG-3A11020103

PRICE: \$430.00

AS OF: November 2002

COMMENTS: Meets TSG on-hook audio security performance specifications. Set relies on powered line noise circuit to mask microphonic audio. When phone loses power, it is isolated by an automatic relay. User must manually toggle relay to bring phone back on line once power is restored. Toggle switch is on face of telephone.

Digital Telephones Type-Accepted

DEVICE TYPE: Type-accepted telephone

MANUFACTURER: Northern Telecom Inc.
(Changed name to Nortel Networks Corporation in 1998)

MODEL: 2016-S

TRADE NAME Telephone

DESCRIPTION & USE: Electronic telephone for use with Northern Telecom SL-1, SL-100, and DMS-100.

ORDER CODE: Not available.

POINT OF CONTACT: Bell Atlantic Systems Inc, Washington, DC
(Changed name to Verizon in 2000)

TSG NUMBER: TSG-210291030

PRICE: \$545.10

AS OF: 27 September 2000

COMMENTS: In areas of high threat, adjunct power should be provided from within your controlled area.

Use of optional display adapter models NT2K28AB03, NT2K28AB35, NT2K28AD35, and NT2K28AB93 is authorized.

Digital Telephones Type-Accepted

DEVICE TYPE: Type-accepted ISDN Telephone

MANUFACTURER: Tone Commander Systems, Inc.

MODEL: 6220T-TSG

TRADE NAME: Not available

DESCRIPTION & USE: ISDN telephone with a ST interface is universally compatible with all Class 5 switch types and the Lucent Definity PBX.

It features 20 programmable line keys that may be used for call appearance, feature activation and/or speed dialing.

ORDER CODE: 1010284001

POINT OF CONTACT: Steve Walker
Tone Commander Systems
11609 49th Place West
Mukilteo, WA 98275
Voice: (800) 524-0024 / Fax: (425) 349-1010
sales@tonecommander.com

TSG NUMBER: TSG-0212B0103

PRICE: \$427.80

AS OF: November 2002

COMMENTS: To meet TSG on-hook audio security performance specifications, the microphone for the speakerphone feature has been removed.

Digital Telephones Type-Accepted

DEVICE TYPE: Type-accepted ISDN Telephone

MANUFACTURER: Tone Commander Systems, Inc.

MODEL: 6220T-TSG-DD

TRADE NAME: Not available

DESCRIPTION & USE: ISDN telephone with a S/T interface is universally compatible with all Class 5 Central Office switch types and with PBX systems that support ISDN BRI stations, i.e. Avaya Definity/Multivantage, Nortel SL-100, and Nortel Option Series.

It features 20 programmable line keys that may be used for call appearance, feature activation and/or speed dialing.

ORDER CODE: 1010287901

POINT OF CONTACT: Steve Walker
Tone Commander Systems
11609 49th Place West
Mukilteo, WA 98275
Voice: (800) 524-0024 / Fax: (425) 349-1010
sales@tonecommander.com

TSG NUMBER: TSG-5S0605-2TC

PRICE: \$480.00

AS OF: June 2005

COMMENTS: To meet TSG on-hook audio security performance specifications, the [device] must be used with the TSG-DD1 ISDN Disconnect Device and local power supply (provided with the phone). Power to the phone is supplied through the TSG-DD1. The microphone for the speakerphone feature has been removed.

NOTE: The 6220T-TSG-DD is approved for use with the Tone Commander 6030X 30-Button Expansion Module and the Tone Commander 6002TA Analog Port Adapter.

Digital Telephones Type-Accepted

DEVICE TYPE: Type-accepted ISDN Telephone

MANUFACTURER: Tone Commander Systems, Inc.

MODEL: 6220U-TSG-DD

TRADE NAME: Not available

DESCRIPTION & USE: ISDN telephone with a U interface is universally compatible with all Class 5 Central Office switch types and with PBX systems that support ISDN BRI stations, i.e. Avaya Definity/Multivantage, Nortel SL-100, and Nortel Option Series.

It features 20 programmable line keys that may be used for call appearance, feature activation and/or speed dialing.

ORDER CODE: 1010287801

POINT OF CONTACT: Steve Walker
Tone Commander Systems
11609 49th Place West
Mukilteo, WA 98275
Voice: (800) 524-0024 / Fax: (425) 349-1010
sales@tonecommander.com

TSG NUMBER: TSG-5S0605-1TC

PRICE: \$570.00

AS OF: June 2005

COMMENTS: To meet TSG on-hook audio security performance specifications, the [device] must be used with the TSG-DD1 ISDN Disconnect Device and local power supply (provided with the phone). Power to the phone is supplied through the TSG-DD1. The microphone for the speakerphone feature has been removed.

NOTE: The 6220U-TSG-DD is approved for use with the Tone Commander 6030X 30-Button Expansion Module and the Tone Commander 6002TA Analog Port Adapter.

Digital Telephones Type-Accepted

DEVICE TYPE:	Secure Telephone Equipment (STE) Type 1 ISDN terminal, Version 2.3 and later with International PSTN Adapter
MANUFACTURER:	L3 Communications Systems East
MODEL:	2B+1D ISDN set
TRADE NAME:	STE
DESCRIPTION & USE:	Dual-purpose telephone capable of transmitting voice and data in both secure and non-secure (unencrypted) modes using both ISDN and standard analog technologies.
ORDER CODE:	NSN: 5810-01-459-6441
POINT OF CONTACT:	L-3 Communications Systems East 1 Federal Street Camden, NJ 08103 Office: (856) 338-4942 / Fax: (856) 338-2741 IAD SecurePhone URL: https://www.iad.gov/securephone/index.cfm/
TSG NUMBER:	TSG-5S0304
PRICE:	\$3250.00
AS OF:	November 2004
COMMENTS:	<p>To meet TSG on-hook audio security performance specifications, this approval applies to version 2.3 and later with the International PSTN Adapter only. Prior versions can be upgraded to Ver. 2.3 and later and the International PSTN Adapter board installed.</p> <p>To determine if a STE contains TSG-compliant software and hardware, do the following:</p> <ol style="list-style-type: none">1. With the unit powered on, push the MENU key.2. Select TERMINAL MANAGEMENT.3. Select NETWORK SETTINGS.4. The display “Active Network Port: PSTN (United States – Defaulted)” indicates the presence of the International PSTN Adapter and Ver 2.3 software.5. Select ADVANCE PSTN SETTINGS FOR INSTALLATION PERSONNEL to select the correct country.

Digital Telephones Type-Accepted

DEVICE TYPE: Sectera Type 1 Analog/Digital terminal version

MANUFACTURER: General Dynamics

MODEL: Analog/Digital line encryption set

TRADE NAME: Sectera Wireline Terminal

DESCRIPTION & USE: Terminal, for use with an analog telephone, to provide secure encrypted communication with a SCIP device (STE, OMNI GSM, etc) or with a STU. Perform secure communications over dedicated digital networks in Link Encryptor mode.

ORDER CODE: Model numbers 1DGT1907XA and 1BDJ9907XA

POINT OF CONTACT: General Dynamics GDC4S
8220 East Roosevelt Street
Scottsdale, AZ 85257
Office: (800) 922-4357 or (410) 850-4893 / Fax: 410-487-0252

IAD SecurePhone URL: <https://www.iad.gov/securephone/index.cfm/>

TSG NUMBER: TSG-5S0606

PRICE: \$1,485.00

AS OF: May 2006

COMMENTS: To meet TSG on-hook audio security performance specifications, ensure the following configuration is used with a TSG-approved analog telephone and AC power supply connected and plugged into a grounded outlet (as required in the operator's manual).

Digital Telephones Type-Accepted

DEVICE TYPE: OMNI Type 1 Analog/Digital terminal

MANUFACTURER: L3 Communications Systems East

MODEL: Analog/Digital line encryption set

TRADE NAME: OMNI Secure Terminal

DESCRIPTION & USE: Terminal, for use with an analog telephone, to provide secure encrypted communication with a SCIP device (STE, Sectera GSM, etc).
Perform secure communications over dedicated digital networks in Link Encryptor mode.

ORDER CODE: Not available

POINT OF CONTACT: L-3 Communications Systems East
1 Federal Street
Camden, NJ 08103
Office: (856) 338-4942 / Fax: 856-338-2741

IAD SecurePhone URL: <https://www.iad.gov/securephone/index.cfm/>

TSG NUMBER: TSG-5S0106

PRICE: \$1,485.00

AS OF: January 2006

COMMENTS: To meet TSG on-hook audio security performance specifications, ensure the following configuration is used with a TSG-approved analog telephone and AC power supply connected and plugged into a grounded outlet (as required in the operator’s manual).

Note: TSG Approved OMNIs will have a TSG label on the bottom. Those without the label can be returned to L-3 for upgrade.

ANNEX A

Analog Telephones and Equipment Approved

Analog Telephones and Equipment Approved

DEVICE TYPE: Type-accepted analog telephone

MANUFACTURER: Telnet Labs, Inc. and Eagle Telephonics, Inc.

MODEL: Safe Set

TRADE NAME: Not available

DESCRIPTION & USE: This is a single-line analog telephone for use with the conventional loop-start Public Switched Telephone Network interface.

ORDER CODE: 600152-1

POINT OF CONTACT: TELNET Labs Inc.
406 Tree Road
South Setauket, NY 11720
(631) 471-3611, Fax: (631) 471-0081
Email: eagle@eagle-tel.com

CNSS NUMBER: CNSS-NC-07-2009 (formerly TSG-X1B10090134)

PRICE: \$425.00 each

AS OF: 26 February 2010

COMMENTS: Includes hold and hook switch flash features

Analog Telephones and Equipment Approved

DEVICE TYPE: OMNI Type 1 Analog/Digital terminal

MANUFACTURER: L3 Communications Systems East

MODEL: Analog/Digital line encryption set

TRADE NAME: OMNI Secure Terminal

DESCRIPTION & USE: Terminal, for use with an analog telephone, to provide secure encrypted communication with a SCIP device (STE, Sectera GSM, etc).
Perform secure communications over dedicated digital networks in Link Encryptor mode.

ORDER CODE: Not available

POINT OF CONTACT: L-3 Communications Systems East
1 Federal Street
Camden, NJ 08103
Office: (856) 338-4942 / Fax: 856-338-2741

IAD SecurePhone URL: <https://www.iad.gov/securephone/index.cfm/>

TSG NUMBER: TSG-5S0106

PRICE: \$1,485.00

AS OF: January 2006

COMMENTS: To meet TSG on-hook audio security performance specifications, ensure the following configuration is used with a TSG-approved analog telephone and AC power supply connected and plugged into a grounded outlet (as required in the operator's manual).

Note: TSG Approved OMNIs will have a TSG label on the bottom. Those without the label can be returned to L-3 for upgrade.

Analog Telephones and Equipment Approved

DEVICE TYPE: Sectera Type 1 Analog/Digital terminal version

MANUFACTURER: General Dynamics

MODEL: Analog/Digital line encryption set

TRADE NAME: Sectera Wireline Terminal

DESCRIPTION & USE: Terminal, for use with an analog telephone, to provide secure encrypted communication with a SCIP device (STE, OMNI GSM, etc) or with a STU. Perform secure communications over dedicated digital networks in Link Encryptor mode.

ORDER CODE: Model numbers 1DGT1907XA and 1BDJ9907XA

POINT OF CONTACT: General Dynamics GDC4S
8220 East Roosevelt Street
Scottsdale, AZ 85257
Office: (800) 922-4357 or (410) 850-4893 / Fax: 410-487-0252

IAD SecurePhone URL: <https://www.iad.gov/securephone/index.cfm/>

TSG NUMBER: TSG-5S0606

PRICE: \$1,485.00

AS OF: May 2006

COMMENTS: To meet TSG on-hook audio security performance specifications, ensure the following configuration is used with a TSG-approved analog telephone and AC power supply connected and plugged into a grounded outlet (as required in the operator's manual).

ANNEX A

Isolation Devices

Isolation Devices

DEVICE TYPE: Type-accepted Analog Disconnect

MANUFACTURER: Fuller Manufacturing

MODEL: Analog Fire Wall

TRADE NAME: Not available

DESCRIPTION & USE: Analog line disconnect device that is installed in-line between a telephone or telephonic device and the Central Office. The Analog Fire Wall provides positive disconnect on the line, isolating possible on-hook audio coming from the telephone. A power failure results in a disconnect and ensures isolation with no telephone service. The unit runs on 24 VDC from a local power supply.

ORDER CODE: FWA101H

POINT OF CONTACT: Calvin P. Gross, Marketing and Sales
Gross Enterprises, Inc.
111 Ralph Avenue
South Plainfield, NJ 07080
Office: (908) 769-5187 / Fax: (908) 769-6927
GEI@comcast.net

TSG NUMBER: TSG-5S0204

PRICE: \$675.00 (GSA) / \$950.00 (Commercial)

AS OF: November 2004

COMMENTS: None submitted

Isolation Devices

DEVICE TYPE: Key system telephone line disconnect

MANUFACTURER: SanBar Telecom LLC

MODEL: 4001A

TRADE NAME: SanBar Disconnect Line Card

DESCRIPTION & USE: Automatically disconnects the speech path of a multiline instrument from the outgoing telephone lines.

ORDER CODE: Not available

POINT OF CONTACT: SanBar Telecom, LLC
2899 Agoura Rd, Ste 726
Westlake, CA 91361
Office: (818)706-3076 / Fax: (818)706-2329

TSG NUMBER: None

PRICE: Not available

AS OF: September 1996

COMMENTS: Replaces the standard telephone line card in 1A2-type electromechanical key systems.

Isolation Devices

DEVICE TYPE: Line Disconnect

MANUFACTURER: SanBar Telecom LLC

MODEL: 4001B, also known as 4001-201

TRADE NAME: Not available

DESCRIPTION & USE: This line card replaces the standard telephone line card in IA2-type Key Service Units. It automatically disconnects the speech path of a multiline telephone from the outgoing telephone line.

ORDER CODE: Not available

POINT OF CONTACT: SanBar Telecom, LLC
2899 Agoura Rd, Ste 726
Westlake, CA 91361
Office: (818)706-3076 / Fax: (818)706-2329

TSG NUMBER: None

PRICE: \$139.00

AS OF: September 1996

COMMENTS: None submitted

Isolation Devices

DEVICE TYPE: Isolator

MANUFACTURER: Fiberplex, Inc.

MODEL: FOI-2971 & FOI-2972T

TRADE NAME: None available

DESCRIPTION & USE: The FOI-2971 and FOI-2972T are automatic fiber-optic isolators compatible with 2-wire telephones, STU-III's, data modems, and facsimile equipment. Both FOI units are linked together with up to two kilometers of fiber-optic cable. The FOI-2971 is connected to the outside exchange side while the FOI-2972T is located on the inside subscriber side.

ORDER CODE: FOI-2971 & FOI-2972T

POINT OF CONTACT: Fiberplex Inc.
10840-412 Guilford Rd
Annapolis Junction, Maryland 20701
(301) 604-0100
http://fiberplex.com/FP_Home.html

TSG NUMBER: None

PRICE: FOI-2971 (outside): \$415
FOI-2972T (inside): \$615
All 4 connectors: \$60
Fiber-optic cable: \$1.25/foot

AS OF: March 1991

COMMENTS: None submitted

Isolation Devices

DEVICE TYPE: Line Disconnect

MANUFACTURER: Northern Telecom Inc.
(Changed name to Nortel Networks Corporation in 1998)

MODEL: UKS-IOS

TRADE NAME: None available

DESCRIPTION & USE: This line card replaces the standard telephone line card in 1A2-type Key Service Units. It automatically disconnects the speech path of a multiline telephone from the outgoing telephone line.

ORDER CODE: Stock No. X9955343, NSN 5998 01180 1275

POINT OF CONTACT: Northern Telecom Inc.
105 Laurentien Blvd.
St. Laurent, Quebec, H4N2M3, Canada

TSG NUMBER: None

PRICE: About U.S. \$100.00 depending on quantity

AS OF: May 1992

COMMENTS: None submitted

Isolation Devices

DEVICE TYPE: Disconnect

MANUFACTURER: Fiberplex, Inc.

MODEL: TDU-3000, TDU-3000R

TRADE NAME: Not available

DESCRIPTION & USE: The TDU-3000 is small in size and is designed to mount on a wall or floor. It accepts one analog telephone line in and provides two lines out. The power supply is a separate, replaceable unit that mounts directly onto the disconnect device. It is 50/60 Hz and is switchable between 115 and 230 VAC. A power failure results in the disconnect that ensures isolation with no telephone service. The TDU-3000R is for TEMPEST applications.

ORDER CODE: Not available

POINT OF CONTACT: Fiberplex Inc.
10840-412 Guilford Rd
Annapolis Junction, Maryland 20701
(301) 604-0100
http://fiberplex.com/FP_Home.html

TSG NUMBER: None

PRICE: TDU-3000: \$1,115
TDU-3000R: \$1,192

AS OF: March 1995

COMMENTS: This disconnect must be plugged into a power receptacle that is properly grounded

Isolation Devices

DEVICE TYPE: Disconnect

MANUFACTURER: Fiberplex, Inc.

MODEL: TDU-4000 and TDU-4000R

TRADE NAME: Not available

DESCRIPTION & USE: The TDU-4000 is small in size and is designed to mount on a wall or floor. The 4000 and 4000R are a 56KB upgraded unit from the 3000 and 3000R. The power supply is a separate, replaceable unit that mounts directly onto the Disconnect. It is 50/60 Hz and is switchable between 115 and 230 VAC. A power failure results in the Disconnect providing isolation with no telephone service. The TDU-4000R is for TEMPEST applications. These Fiberplex units are available under GSA contract GS-35F-0001J, valid: 4/1/99 thru 3/31/04.

ORDER CODE: Not available

POINT OF CONTACT: Fiberplex Inc.
10840-412 Guilford Rd
Annapolis Junction, Maryland 20701
(301) 604-0100
http://fiberplex.com/FP_Home.html

TSG NUMBER: None

PRICE: TDU-4000: \$939.00
TDU-4000R: \$1,081.00

AS OF: July 2001

COMMENTS: This disconnect must be plugged into a power receptacle that is properly grounded. The power supply is sold separately @ \$118.00 each.

Isolation Devices

DEVICE TYPE: Line Disconnect

MANUFACTURER: Exbar Associates, Inc
(Not able to verify if company is still in business)

MODEL: 4-007

TRADE NAME: Not available

DESCRIPTION & USE: This telephone security line card replaces the standard line card in 1A2-type Key Service Units (KSUs). It automatically disconnects the speech path of a telephone from the outgoing telephone line. This card is approved only when the PFC (power failure cut-through) feature is switched OFF.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: \$170

AS OF: June 1995

COMMENTS: None submitted

Isolation Devices

DEVICE TYPE: Disconnect

MANUFACTURER: Mid-Atlantic Electronic Technologies

MODEL: OPSYS-MCOV line card

TRADE NAME: Not available

DESCRIPTION & USE: The line card is an option of the OPSYS optical isolator system, also made by Mid-Atlantic. The cards are plugged in to OPSYS cages, one at each end of the fiber path. Each card supports two Mitel MCOV circuits between a Mitel PBX and a compatible Mitel voice instrument, thus providing an interface and disconnect for a full featured Mitel instrument.

ORDER CODE: OPSYS-MCOV

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

Isolation Devices

DEVICE TYPE: Isolator

MANUFACTURER: Fiberplex, Inc

MODEL: FOI-2973 & FOI-2974T

TRADE NAME: None Available

DESCRIPTION & USE: The FOI-2973 and FOI-2974T are automatic fiber-optic isolators compatible with Northern Telecom Meridian series 5000 telephones only. The FOI-2973 unit connects to the outside Northern Telecom exchange, while the FOI-2974T unit connects to the inside subscriber Meridian 5000 telephone.

ORDER CODE: Not available

POINT OF CONTACT: Fiberplex Inc.
 10840-412 Guilford Rd
 Annapolis Junction, Maryland 20701
 (301) 604-0100
http://fiberplex.com/FP_Home.html

TSG NUMBER: None

PRICE:

FOI-2973 (outside)	\$390
FOI-2974T (Inside)	\$625
All 4 connectors:	\$60
Fiber-optic cable:	\$1.25 per foot

AS OF: October 1991

COMMENTS: Does not provide on-hook audio security and does not provide a Disconnect.

ANNEX A

Other

Other

DEVICE TYPE: OMNI Type 1 Analog/Digital terminal

MANUFACTURER: L3 Communications Systems East

MODEL: Analog/Digital line encryption set

TRADE NAME: OMNI Secure Terminal

DESCRIPTION & USE: Terminal, for use with an analog telephone, to provide secure encrypted communication with a SCIP device (STE, Sectera GSM, etc).
Perform secure communications over dedicated digital networks in Link Encryptor mode.

ORDER CODE: Not Available

POINT OF CONTACT: L-3 Communications Systems East
1 Federal Street
Camden, NJ 08103
Office: (856) 338-4942 / Fax: 856-338-2741

IAD SecurePhone URL: <https://www.iad.gov/securephone/index.cfm/>

TSG NUMBER: TSG-5S0106

PRICE: \$1,485.00

AS OF: January 2006

COMMENTS: To meet TSG on-hook audio security performance specifications, ensure the following configuration is used with a TSG-approved analog telephone and AC power supply connected and plugged into a grounded outlet (as required in the operator's manual).

Note: TSG Approved OMNIs will have a TSG label on the bottom. Those without the label can be returned to L-3 for upgrade.

Other

DEVICE TYPE: Fiber Optic Transmission Link Interface

MANUFACTURER: Mid-Atlantic Electronic Technologies, Inc.

MODEL: OPSYS ISDN BRI Card

TRADE NAME: Optical Signal Isolation System

DESCRIPTION & USE: **NOT APPROVED FOR ON-HOOK AUDIO ISOLATION**

The ISDN Basic Rate Interface card is housed in the model OPSYS and support a short range fiber-optic transmission link and ISDN telephone.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: The ISDN BRI card does not meet TSG requirements for on-hook telephone audio isolation. However, it does not introduce any additional audio surveillance hazard into the area in which it is installed. It is TSG-approved for TEMPEST isolation applications.

The model OPSYS will also support an interface card that provides on-hook audio isolation for analog telephones.

Other

DEVICE TYPE: Fiber Optic Transmission Link Interface

MANUFACTURER: GTE/MEBCO
(Defunct in 2000)

MODEL: Not available

TRADE NAME: Not available

DESCRIPTION & USE: The system, as described below, was assembled from commercial off the shelf (COTS) components by GTE Government Systems, and as such GTE will be listed as the vendor of reference even though other vendors manufactured the individual components. The components are:

<u>Manufacturer</u>	<u>Model</u>	<u>Function</u>
Telco	3100	telephone system shelf
Telco	2460-02	analog line card
Telco	2459-02	digital line card
Telco	2476-10-2	data channel card
Canoga Perkins	2262	T1 fiber modem

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Unknown

AS OF: February 1999

COMMENTS: The telephone instruments within the shielded enclosure must still be either TSG #6 approved devices or attached to a CTS conforming to TSG #2.

Other

DEVICE TYPE: Type-accepted ISDN network termination (NT1)

MANUFACTURER: Tone Commander Systems, Inc.

MODEL: NT1B-300TC-TSG

TRADE NAME: Not available

DESCRIPTION & USE: This is an ISDN Network Termination 1 (NT1) for use in standalone applications with CNSSI-5006 (or TSG) approved S/T interface ISDN terminals, such as the L-3 Communication Systems STE, or the Tone Commander 6220T-TSG, where the NT1 is collocated within the Sensitive Compartmented Information Facility (SCIF).

URL: <http://www.tonecommander.com/nt1/nt1b-300tc-tsg.htm>

ORDER CODE: 1010295101

POINT OF CONTACT: Steve Walker
Tone Commander Systems
11609 49th Place West
Mukilteo, WA 98275
Voice: (800) 524-0024 / Fax: (425) 349-1010
sales@tonecommander.com

CNSS NUMBER: CNSS-A-02-2009

PRICE: \$225.00 each

AS OF: 5 November 2009

COMMENTS: None submitted

Other

DEVICE TYPE: Type-accepted PSTN vIPer modem

MANUFACTURER: General Dynamics

MODEL: V92HU-E-R / V92HU-E-R Rev B

TRADE NAME: Sectéra® vIPer™ PSTN Connect

DESCRIPTION & USE: This modem allows the General Dynamics Sectéra® vIPer™ Universal Secure Phone, in PSTN mode, to connect to the conventional loop-start Public Switched Telephone Network. The PSTN vIPer modem connects to the phone's USB Black Digital Interface (BDI) port and provides a standard RJ-11 jack for connection to the PSTN.

This modem provides the required isolation for the Sectéra® vIPer™ phone, in PSTN mode, to be used in Sensitive Compartmented Information Facilities.

URL: [http:// www.gdc4s.com/secureproducts](http://www.gdc4s.com/secureproducts)
IAD Securephone URL: <https://www.iad.gov/SecurePhone/index.cfm>

ORDER CODE: VIPPSTN01

POINT OF CONTACT: General Dynamics
8220 East Roosevelt Street
Scottsdale, Arizona 85257

Attn: Bill Michie, (480) 675-2768
Email: Bill.Michie@gdc4s.com

CNSS NUMBER: CNSS-NC-04-2009
CNSS-NC-09-2010 – Rev. B

PRICE: \$269.00 each, when purchased separately

AS OF: 3 March 2010
16 November 2009 (Rev. B)

COMMENTS: This modem is shipped with Sectéra® vIPer™ version, VIPC1000-XAMDM. The modem can also be purchased separately and used with Sectéra® vIPer™ version, VIPC1000-XA.

Other

DEVICE TYPE: Fiber Optic Modem

MANUFACTURER: Raytheon

MODEL: UDLT Fiber Modem

TRADE NAME: Optical Isolator

DESCRIPTION & USE: The Universal Digital Loop Transceiver (UDLT) Fiber Modem (UFM) provides a small form factor, low cost solution to extend the Raytheon family of Integrated Services Telephone instruments over fiber optical transmission media.

ORDER CODE: Contract No.: FA8217-11-D-0001
Part No.: 01-01892-001

POINT OF CONTACT: Lynn Hitchcock
Raytheon
8333 Bryan Dairy Road
Largo, FL 33777

(727) 302-4497 or Lynn_W_Hitchcock@raytheon.com

CNSS NUMBER: CNSS-NC-02-2010

PRICE: Est. \$1739 each, minimum buy qty 5

AS OF: 7 July 2010

COMMENTS: None submitted

Other

DEVICE TYPE: Type-accepted PSTN vIPer Modem

MANUFACTURER: General Dynamics

MODEL: V92HU-E-R Rev. B

TRADE NAME: Modem

DESCRIPTION & USE: None submitted

ORDER CODE: Not available

POINT OF CONTACT: General Dynamics
8220 East Roosevelt Street
Scottsdale, Arizona 85257
Attn: Rosa Luna, (480) 441-3685

CNSS NUMBER: CNSS-NC-09-2010

PRICE: Unknown

AS OF: 10 November 2010

COMMENTS: None submitted

ANNEX B

MANUFACTURER DISCONTINUED ITEMS

For historical and legacy purposes this Annex contains a listing of all items still in use, but no longer being manufactured. Three sections compose Annex B: (1) Telephones Type-Accepted in accordance with TSG Standard 3, (2) Telephones Type-Accepted in accordance with TSG Standard 4, and (3) Telephones and Equipment Approved in accordance with TSG Standard 5.

Telephones Type-Accepted in accordance with TSG Standard 3

Section 1

TSG Type-Acceptance Program for Telephones used with the Conventional Central Office Interface..... B-1-1

Telephones Type-Accepted in accordance with TSG Standard 4

Section 2

TSG Type-Acceptance Program for Electronic Telephones..... B-2-1

Telephones and Equipment Approved in accordance with TSG Standard 5

Section 3

On-Hook Telephone Audio Performance Specifications..... B-3-1

Section 4

Other TSG-Approved Telephones..... B-4-1

Section 5

TSG-Approved Disconnect/Isolation Devices..... B-5-1

Section 6

Ringer Protection B-6-1

Section 7

TSG-Approved Handsets B-7-1

Section 8

TSG-Approved Telephone Filters B-8-1

Section 9

Miscellaneous TSG-Approved Equipment..... B-9-1

ANNEX B

TELEPHONES TYPE-ACCEPTED IN ACCORDANCE WITH TSG STANDARD 3:

Notes:

- (1) The point of contact information provided in this document for discontinued items may **not** be current.
- (2) Annex B is Manufacturer's Discontinued Items is provided for **legacy and historical** purposes only. NSA has indicated, in some cases, that the STU -III may continue to be used as a non-secure TSG approved POTS telephone in secure areas. Users are advised that the STU-III remain a COMSEC Controlled Item (CCI) and must remain on the organizations COMSEC inventory.

**TSG TYPE-ACCEPTANCE PROGRAM FOR TELEPHONES USED
WITH THE CONVENTIONAL CENTRAL OFFICE INTERFACE**

Telephones Type-Accepted in accordance with TSG Standard 3

DEVICE TYPE: Type-accepted telephone

MANUFACTURER: Eagle Telephonics, Inc.

MODEL: Safe Set

TRADE NAME: Not available

DESCRIPTION & USE: This is a single-line analog telephone for use with the conventional loop-start interface of the Public Switched Telephone Network.

ORDER CODE: Not available

POINT OF CONTACT: Eagle Telephonics, Inc.
Bohemia, New York
(631) 471-3600
E-mail: eagle@eagle-tel.com

Supplier: Bell Atlantic Systems Inc
(Changed name to Verizon in 2000)

TSG NUMBER: TSG-XIBIOO90134

PRICE: \$202

AS OF: Unknown

COMMENTS: Has hold and hookswitch flash features

**TSG TYPE-ACCEPTANCE PROGRAM FOR TELEPHONES USED
WITH THE CONVENTIONAL CENTRAL OFFICE INTERFACE**

Telephones Type-Accepted in accordance with TSG Standard 3

DEVICE TYPE: Type-accepted telephone

MANUFACTURER: AT&T

MODEL: Modified Type 710

TRADE NAME: Not available

DESCRIPTION & USE: This is a single-line analog telephone for use with the conventional loop-start interface of the Public Switched Telephone Network.

ORDER CODE: Not Applicable

POINT OF CONTACT: Government Solutions HQ
3033 Chain Bridge Road
Oakton, Virginia 22185

TSG NUMBER: TSG-X310191268

PRICE: Not available

AS OF: Unknown

COMMENTS:

1. Tone or pulse dialing.
2. Speed dials up to 16 sets of numbers.
3. Provides line hold. This feature is activated by placing the handset in the cradle while depressing the hold button.
4. This instrument is manufactured in China for AT&T and modified in the United States for TSG.

**TSG TYPE-ACCEPTANCE PROGRAM FOR TELEPHONES USED
WITH THE CONVENTIONAL CENTRAL OFFICE INTERFACE**

Telephones Type-Accepted in accordance with TSG Standard 3

DEVICE TYPE: Telephone

MANUFACTURER: AT&T

MODEL: 500ABM - **Manufacturer Discontinued Product**

TRADE NAME: Telephone

DESCRIPTION & USE: Rotary dial, single-line telephone.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not Applicable

AS OF: Unknown

COMMENTS: Ringer protection is required. Formerly manufactured by WECO

**TSG TYPE-ACCEPTANCE PROGRAM FOR TELEPHONES USED
WITH THE CONVENTIONAL CENTRAL OFFICE INTERFACE**

Telephones Type-Accepted in accordance with TSG Standard 3

DEVICE TYPE: Telephone

MANUFACTURER: AT&T

MODEL: 502BMW - **Manufacturer Discontinued Product**

TRADE NAME: Telephone

DESCRIPTION & USE: Rotary dial, single-line telephone.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Ringer protection is required. Formerly manufactured by WECO

**TSG TYPE-ACCEPTANCE PROGRAM FOR TELEPHONES USED
WITH THE CONVENTIONAL CENTRAL OFFICE INTERFACE**

Telephones Type-Accepted in accordance with TSG Standard 3

DEVICE TYPE:	Telephone
MANUFACTURER:	AT&T
MODEL:	2501AB/BMW
TRADE NAME:	Telephone
DESCRIPTION & USE:	Touchtone, single-line telephone.
ORDER CODE:	Not available
POINT OF CONTACT:	Not available
TSG NUMBER:	None
PRICE:	Not available
AS OF:	Unknown
COMMENTS:	Ringer protection is required. Formerly manufactured by WECO

**TSG TYPE-ACCEPTANCE PROGRAM FOR TELEPHONES USED
WITH THE CONVENTIONAL CENTRAL OFFICE INTERFACE**

Telephones Type-Accepted in accordance with TSG Standard 3

DEVICE TYPE: Telephone

MANUFACTURER: AT&T

MODEL: 568HSM - **Manufacturer Discontinued Product**

TRADE NAME: Telephone

DESCRIPTION & USE: Rotary dial, 6-key telephone.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Ringer protection is required. Formerly manufactured by WECO

**TSG TYPE-ACCEPTANCE PROGRAM FOR TELEPHONES USED
WITH THE CONVENTIONAL CENTRAL OFFICE INTERFACE**

Telephones Type-Accepted in accordance with TSG Standard 3

DEVICE TYPE: Telephone

MANUFACTURER: AT&T

MODEL: 2504BMW

TRADE NAME: Telephone

DESCRIPTION & USE: Touchtone, single-line telephone.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Ringer protection is required. Formerly manufactured by WECO

**TSG TYPE-ACCEPTANCE PROGRAM FOR TELEPHONES USED
WITH THE CONVENTIONAL CENTRAL OFFICE INTERFACE**

Telephones Type-Accepted in accordance with TSG Standard 3

DEVICE TYPE: Telephone

MANUFACTURER: AT&T

MODEL: 2568HUM

TRADE NAME: Telephone

DESCRIPTION & USE: Touchtone, 6-key telephone.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Ringer protection is required. Formerly manufactured by WECO

**TSG TYPE-ACCEPTANCE PROGRAM FOR TELEPHONES USED
WITH THE CONVENTIONAL CENTRAL OFFICE INTERFACE**

Telephones Type-Accepted in accordance with TSG Standard 3

DEVICE TYPE: Telephone

MANUFACTURER: AT&T

MODEL: 3568HHM

TRADE NAME: Telephone

DESCRIPTION & USE: 16-button touchtone dial, 2-wire- or 4-wire-(AUTOVON)-compatible, 6-key telephone.

ORDER CODE: Not available

POINT OF CONTACT: None Available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Replaced model 3568HTM; ringer protection is required, and formerly manufactured by WECO.

**TSG TYPE-ACCEPTANCE PROGRAM FOR TELEPHONES USED
WITH THE CONVENTIONAL CENTRAL OFFICE INTERFACE**

Telephones Type-Accepted in accordance with TSG Standard 3

DEVICE TYPE: Telephone

MANUFACTURER: AT&T

MODEL: 3504B/C

TRADE NAME: Telephone

DESCRIPTION & USE: 16-button touchtone dial, 2-wire- or 4-wire-(AUTOVON)-compatible, single-line telephone.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Ringer protection is required. Formerly manufactured by WECO

**TSG TYPE-ACCEPTANCE PROGRAM FOR TELEPHONES USED
WITH THE CONVENTIONAL CENTRAL OFFICE INTERFACE**

Telephones Type-Accepted in accordance with TSG Standard 3

DEVICE TYPE: Telephone

MANUFACTURER: AT&T

MODEL: 2714A - **Manufacturer Discontinued Product**

TRADE NAME: Telephone

DESCRIPTION & USE: PRINCESS

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Ringer protection is required. Formerly manufactured by WECO

ANNEX B

TELEPHONES TYPE-ACCEPTED IN ACCORDANCE WITH TSG STANDARD 4:

Notes:

- (1) The point of contact information provided in this document for discontinued items may **not** be current.
- (2) Annex B is Manufacturer's Discontinued Items is provided for **legacy and historical** purposes only. NSA has indicated, in some cases, that the STU -III may continue to be used as a non-secure TSG approved POTS telephone in secure areas. Users are advised that the STU-III remain a COMSEC Controlled Item (CCI) and must remain on the organizations COMSEC inventory.

TSG TYPE-ACCEPTANCE PROGRAM FOR ELECTRONIC TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 4

DEVICE TYPE: Type-accepted telephone

MANUFACTURER: AT&T

MODEL: Modified 7302H - **Manufacturer Discontinued Product**

TRADE NAME: MERLIN, voice terminal

DESCRIPTION & USE: Modified model 7302H, 5-button voice terminal for use with all models of MERLIN control units and AT&T systems 25, 75, and 85.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: TSG-3B10187128

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

TSG TYPE-ACCEPTANCE PROGRAM FOR ELECTRONIC TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 4

DEVICE TYPE: Type-accepted telephone

MANUFACTURER: AT&T

MODEL: Modified 7303H

TRADE NAME: MERLIN, voice terminal

DESCRIPTION & USE: Modified model 7303H, 10-button voice terminal for use with all models of MERLIN control units and AT&T systems 25, 75, and 85.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: TSG-3BIO187128

PRICE: Not available

AS OF: Unknown

COMMENTS: Replaced by the 7303S

TSG TYPE-ACCEPTANCE PROGRAM FOR ELECTRONIC TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 4

DEVICE TYPE: Type-accepted telephone

MANUFACTURER: AT&T

MODEL: Modified 7305HO1 - **Manufacturer Discontinued**

TRADE NAME: MERLIN, voice terminal

DESCRIPTION & USE: Modified model 7305H, 34-button voice terminal for use with all models of MERLIN control units and AT&T systems 25, 75, and 85.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: TSG-3B10187128

PRICE: Not available

AS OF: Unknown

COMMENTS: Replaced by 7305HO2

TSG TYPE-ACCEPTANCE PROGRAM FOR ELECTRONIC TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 4

DEVICE TYPE: Type-accepted telephone

MANUFACTURER: AT&T

MODEL: Modified 7305HO2

TRADE NAME: MERLIN, voice terminal

DESCRIPTION & USE: Modified model 7305H, 34-button voice terminal for use with all models of MERLIN control units and AT&T systems 25, 75, and 85.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: TSG-3B10187128

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

TSG TYPE-ACCEPTANCE PROGRAM FOR ELECTRONIC TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 4

DEVICE TYPE: Type-accepted telephone

MANUFACTURER: AT&T

MODEL: Modified 7308H

TRADE NAME: MERLIN, voice terminal

DESCRIPTION & USE: Modified model 7308H, 34-button voice terminal for use with all models of MERLIN control units and AT&T systems 25, 75, and 85.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: TSG-3BIO187128

PRICE: Not available

AS OF: Unknown

COMMENTS: Deluxe attendant console with direct station select capability.

TSG TYPE-ACCEPTANCE PROGRAM FOR ELECTRONIC TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 4

DEVICE TYPE: Type-accepted telephone

MANUFACTURER: AT&T

MODEL: Modified 7405D

TRADE NAME: Digital voice terminal

DESCRIPTION & USE: 34-button telephone for use with AT&T systems 75 and 85.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: TSG-1B10188035

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

TSG TYPE-ACCEPTANCE PROGRAM FOR ELECTRONIC TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 4

DEVICE TYPE: Type-accepted telephone

MANUFACTURER: AT&T

MODEL: Modified 7406D

TRADE NAME: Digital voice terminal

DESCRIPTION & USE: For use with AT&T systems 75 and 85.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: TSG-1B10188035

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

TSG TYPE-ACCEPTANCE PROGRAM FOR ELECTRONIC TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 4

DEVICE TYPE:	Type-accepted telephone
MANUFACTURER:	AT&T
MODEL:	7505
TRADE NAME:	Digital voice terminal
DESCRIPTION & USE:	For use with integrated services digital network (ISDN) central office service.
ORDER CODE:	Not available
POINT OF CONTACT:	Not available
TSG NUMBER:	TSG-210189012
PRICE:	Not available
AS OF:	Unknown
COMMENTS:	None submitted

TSG TYPE-ACCEPTANCE PROGRAM FOR ELECTRONIC TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 4

DEVICE TYPE: Type-accepted telephone

MANUFACTURER: AT&T

MODEL: Modified 7506

TRADE NAME: Digital voice terminal

DESCRIPTION & USE: For use with integrated services digital network central office service.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: TSG-210189012

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

TSG TYPE-ACCEPTANCE PROGRAM FOR ELECTRONIC TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 4

DEVICE TYPE: Type-accepted telephone

MANUFACTURER: AT&T

MODEL: Modified SPIRIT - **Manufacturer Discontinued Product**

TRADE NAME: Digital voice terminal

DESCRIPTION & USE: For use with AT&T SPIRIT system.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: TSG-210189011

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

TSG TYPE-ACCEPTANCE PROGRAM FOR ELECTRONIC TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 4

DEVICE TYPE: Type-accepted telephone

MANUFACTURER: AT&T

MODEL: 7507

TRADE NAME: Digital voice terminal

DESCRIPTION & USE: For use with ISDN protocol.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: TSG-210191177

PRICE: Not available

AS OF: Unknown

COMMENTS: The mute button and microphone for the speakerphone feature were disabled.

TSG TYPE-ACCEPTANCE PROGRAM FOR ELECTRONIC TELEPHONES**Telephones Type-Accepted in accordance with TSG Standard 4**

DEVICE TYPE: Type-accepted telephone

MANUFACTURER: AT&T

MODEL: Modified 8510

TRADE NAME: Not available

DESCRIPTION & USE: The 8510 is a TSG Class 2 ISDN terminal for the BRI T-Interface environment. It features: 10 call appearances, a display, message waiting, mute, hold, call log, alarm clocks, and a host of other features controlled by 40 buttons and 25 LEDs.

This terminal is a voice-only terminal with the capability of data and/or call appearance expansion via a modular connector. Using the same modular connector, a removable ROM board is used rather than the traditional socket to provide easier firmware upgradeability. The phone is compatible with a standard RS-232 data connection.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: TSG-210193300

PRICE: Not available

AS OF: Unknown

COMMENTS: The microphone for the speakerphone feature were disabled

Dialing out or answering calls cannot be accomplished while the handset is in the cradle.

A standard model K2S1 handset is used (300 Hz-3.4 kHz) but can be upgraded to a wideband (100 Hz-3.4 kHz) handset for enhanced acoustics.

TSG TYPE-ACCEPTANCE PROGRAM FOR ELECTRONIC TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 4

DEVICE TYPE: Type-accepted telephone

MANUFACTURER: AT&T

MODEL: Modified 8520

TRADE NAME: Not available

DESCRIPTION & USE: The 8520 is a TSG Class 2, ISDN terminal for the BRI T-Interface environment. It features a display, 20 call appearances, message waiting, mute, hold, drop, transfer, call log, conferencing, and a host of other features.

The 8520 is a voice terminal with data capability via an RS-232 connector.

ORDER CODE: PEC 9817-002

POINT OF CONTACT: Not available

TSG NUMBER: TSG-210194119

PRICE: Not available

AS OF: Unknown

COMMENTS: The speakerphone feature is not TSG approved. The speakerphone can operate only when the handset is off the cradle.

Dialing out or answering calls cannot be accomplished while the handset is in the cradle.

A standard model K2S1 is used (300 Hz-3.4 KHz), but can be upgraded to a wide-band (100 Hz-3.4 KHz) handset for enhanced acoustics.

TSG TYPE-ACCEPTANCE PROGRAM FOR ELECTRONIC TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 4

DEVICE TYPE: Type-accepted telephone

MANUFACTURER: Eagle Telephonics, Inc.

MODEL: Modified 600100

TRADE NAME: EAGLE electronic telephone instrument

DESCRIPTION & USE: 10-button telephone for use with EAGLET and EAGLE ONE systems.

ORDER CODE: Not available

POINT OF CONTACT: Eagle Telephonics, Inc.
Bohemia, New York
(631) 471-3600
E-mail: eagle@eagle-tel.com

TSG NUMBER: TSG-2B10086294

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

TSG TYPE-ACCEPTANCE PROGRAM FOR ELECTRONIC TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 4

DEVICE TYPE: Type-accepted telephone

MANUFACTURER: Eagle Telephonics, Inc.

MODEL: Modified 600103

TRADE NAME: EAGLE electronic telephone instrument

DESCRIPTION & USE: 20-button telephone for use with EAGLET and EAGLE ONE systems.

ORDER CODE: Not available

POINT OF CONTACT: Eagle Telephonics, Inc.
Bohemia, New York
(631) 471-3600
E-mail: eagle@eagle-tel.com

TSG NUMBER: TSG-2B10086294

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

TSG TYPE-ACCEPTANCE PROGRAM FOR ELECTRONIC TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 4

DEVICE TYPE: Type-accepted telephone interface

MANUFACTURER: Eagle Telephonics, Inc.

MODEL: STU-III Interface

TRADE NAME: Not available

DESCRIPTION & USE: The STU-III Interface allows a single-line STU-III terminal to perform all the sophisticated functions of an EAGLE ONE 20-button key telephone while only requiring 3-pair for connection to the KSU (Key Service Unit).

ORDER CODE: Not available

POINT OF CONTACT: Eagle Telephonics, Inc.
Bohemia, New York
(631) 471-3600
E-mail: eagle@eagle-tel.com

TSG NUMBER: TSG-210091058

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

TSG TYPE-ACCEPTANCE PROGRAM FOR ELECTRONIC TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 4

DEVICE TYPE: Type-accepted telephone

MANUFACTURER: Mitel, Inc. (*Mitel Networks Solutions, Inc.*)

MODEL: SUPERSET 4-TS

TRADE NAME: SUPERSET 4-TS

DESCRIPTION & USE: For use with Mitel PBX systems.

ORDER CODE: Not available

POINT OF CONTACT: Mitel Networks Solutions, Inc
205 Van Buren Street – Suite 400
Herndon, Virginia 20170
(703) 318-7020

TSG NUMBER: TSG-2B10388035

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

TSG TYPE-ACCEPTANCE PROGRAM FOR ELECTRONIC TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 4

DEVICE TYPE: Telephone

MANUFACTURER: Mitel Corporation (*Mitel Networks Solutions, Inc.*)

MODEL: Superset 401+TS

TRADE NAME: Superset 401+TS (Digital business telephone)

DESCRIPTION & USE: The Superset 401+ is a single line desk set compatible with all Mitel PBXs, to include the 200 systems, and 2000 family. (Some systems may require a software upgrade)

ORDER CODE: Not available

POINT OF CONTACT: Mitel Networks Solutions, Inc
205 Van Buren Street – Suite 400
Herndon, Virginia 20170
(703) 318-7020

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

TSG TYPE-ACCEPTANCE PROGRAM FOR ELECTRONIC TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 4

DEVICE TYPE: Telephone

MANUFACTURER: Mitel Corporation (*Mitel Networks Solutions, Inc.*)

MODEL: Superset 410TS

TRADE NAME: Superset 410TS (Digital business telephone)

DESCRIPTION & USE: The Superset 410 is a multi-line desk set compatible with all Mitel PBXs, to include the SX 50, 200 systems, and 2000 family. (Some systems may require a software upgrade)

ORDER CODE: Not Applicable

POINT OF CONTACT: Mitel Networks Solutions, Inc
205 Van Buren Street – Suite 400
Herndon, Virginia 20170
(703) 318-7020

TSG NUMBER: None

PRICE: Not Applicable

AS OF: Not Applicable

COMMENTS: None submitted

TSG TYPE-ACCEPTANCE PROGRAM FOR ELECTRONIC TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 4

DEVICE TYPE: Telephone

MANUFACTURER: Mitel Corporation (*Mitel Networks Solutions, Inc.*)

MODEL: Superset 420TS

TRADE NAME: Superset 420TS (Digital business telephone)

DESCRIPTION & USE: The Superset 420 is a multi-line desk set compatible with all Mitel PBXs, to include the SX 50, 200 systems, and 2000 family. (Some systems may require a software upgrade)

ORDER CODE: Not Applicable

POINT OF CONTACT: Mitel Networks Solutions, Inc
205 Van Buren Street – Suite 400
Herndon, Virginia 20170
(703) 318-7020

TSG NUMBER: None

PRICE: Not Applicable

AS OF: Not Applicable

COMMENTS: None submitted

TSG TYPE-ACCEPTANCE PROGRAM FOR ELECTRONIC TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 4

DEVICE TYPE: Telephone

MANUFACTURER: Mitel Corporation (*Mitel Networks Solutions, Inc.*)

MODEL: Superset 430TS

TRADE NAME: Superset 430TS (Executive digital desk set telephone)

DESCRIPTION & USE: The Superset 430 is a multi-line desk set compatible with all Mitel PBXs, to include the 200 systems, and 2000 family. (Some systems may require a software upgrade)

ORDER CODE: Not available

POINT OF CONTACT: Mitel Networks Solutions, Inc
205 Van Buren Street – Suite 400
Herndon, Virginia 20170
(703) 318-7020

TSG NUMBER: None

PRICE: Not available

AS OF: Not available

COMMENTS: None submitted

TSG TYPE-ACCEPTANCE PROGRAM FOR ELECTRONIC TELEPHONES**Telephones Type-Accepted in accordance with TSG Standard 4**

DEVICE TYPE: Type-accepted telephone

MANUFACTURER: Northern Telecom, Inc.
(Changed name to Nortel Networks Corporation in 1998)

MODEL: Modified 5009S

TRADE NAME: P phone

DESCRIPTION & USE: Electronic telephone for use with Northern Telecom SL-100 and DMS-100 switches.

ORDER CODE: Not Applicable

POINT OF CONTACT: 1-800-4NORTEL (1-800-466-7835)

TSG NUMBER: TSG-2A1O287302

PRICE: Not Applicable

AS OF: Not Applicable

COMMENTS: The handset used with the type-accepted version is equipped with specially configured mercury switches. The mercury switches are essential for the on-hook security of the telephone and also provide unattended off-hook security. This handset is considered to be equivalent to a push-to-operate handset. The on-hook security is derived from the position sensitivity of the mercury switches, and the handset must be horizontally positioned when on-hook. The telephone cannot be wall-mounted.

TSG TYPE-ACCEPTANCE PROGRAM FOR ELECTRONIC TELEPHONES**Telephones Type-Accepted in accordance with TSG Standard 4**

DEVICE TYPE: Type-accepted telephone

MANUFACTURER: Northern Telecom, Inc.
(Changed name to Nortel Networks Corporation in 1998)

MODEL: Modified MERIDIAN 2018

TRADE NAME: Modified MERIDIAN

DESCRIPTION & USE: Electronic telephone for use with Northern Telecom SL-1, SL-100, and DMS-100 switches.

ORDER CODE: Not Applicable

POINT OF CONTACT: 1-800-4NORTEL (1-800-466-7835)

TSG NUMBER: TSG-2A1O288014

PRICE: Not Applicable

AS OF: Not Applicable

COMMENTS: The handset used with the type-accepted version is equipped with specially configured mercury switches. The mercury switches are essential for the on-hook security of the telephone and also provide unattended off-hook security. This handset is considered to be equivalent to a push-to-operate handset. The on-hook security is derived from the position sensitivity of the mercury switches, and the handset must be horizontally positioned when on-hook. The telephone cannot be wall-mounted.

TSG TYPE-ACCEPTANCE PROGRAM FOR ELECTRONIC TELEPHONES**Telephones Type-Accepted in accordance with TSG Standard 4**

DEVICE TYPE: Type-accepted telephone

MANUFACTURER: Northern Telecom Inc.
(Changed name to Nortel Networks Corporation in 1998)

MODEL: M5009S

TRADE NAME: None Available

DESCRIPTION & USE: Electronic telephone for use with Northern Telecom SI-1, SI-100, and DMS-100, which has newly designed handset with extended service mercury switches.

ORDER CODE: Not Applicable

POINT OF CONTACT: Bell Atlantic Systems Inc, Washington, DC
(Changed name to Verizon in 2000)

TSG NUMBER: TSG-2A10296031 (Previously approved as TSG-2A10293237)

PRICE: Not Applicable

AS OF: Not Applicable

COMMENTS: The handset used with the type-accepted version is equipped with specially configured mercury switches. These switches are essential for the on-hook security of the telephone and also provide unattended off-hook security. This handset is considered equivalent to a push-to-operate handset. The on-hook security is derived from the position sensitivity of the switches, and the handset must be horizontally positioned when on-hook. The telephone cannot be wall mounted. Product was submitted for a design change and issued a new number by the TSG

ANNEX B

TELEPHONES AND EQUIPMENT APPROVED IN ACCORDANCE WITH TSG STANDARD 5:

Notes:

- (1) The point of contact information provided in this document for discontinued items may **not** be current.
- (2) Annex B is Manufacturer's Discontinued Items is provided for **legacy and historical** purposes only. NSA has indicated, in some cases, that the STU -III may continue to be used as a non-secure TSG approved POTS telephone in secure areas. Users are advised that the STU-III remain a COMSEC Controlled Item (CCI) and must remain on the organizations COMSEC inventory.

ON-HOOK TELEPHONE AUDIO PERFORMANCE SPECIFICATIONS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Secure telephone unit III (STU-III) Type 1 terminal

MANUFACTURER: AT&T

MODEL: Single-line

TRADE NAME: Single-line STU-III

DESCRIPTION & USE: Dual-purpose telephone capable of transmitting voice and data in both secure and non-secure (unencrypted) modes.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Meets TSG on-hook audio security performance specifications.

ON-HOOK TELEPHONE AUDIO PERFORMANCE SPECIFICATIONS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Secure telephone unit III (STU-III) Type I terminal

MANUFACTURER: Motorola

MODEL: Single-line with Mod 2

TRADE NAME: Single-line STU-III

DESCRIPTION & USE: Dual-purpose telephone capable of transmitting voice and data in both secure and non-secure (unencrypted) modes.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Mod 2 models meet TSG on-hook audio security performance specifications.

Contact the NSA for details on their replacement program for non-Mod 2 models.

ON-HOOK TELEPHONE AUDIO PERFORMANCE SPECIFICATIONS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Secure telephone unit III (STU-III) Type 1 terminal

MANUFACTURER: RCA

MODEL: Single-line with Mod 4

TRADE NAME: Single-line STU-III

DESCRIPTION & USE: Dual-purpose telephone capable of transmitting voice and data in both secure and non-secure (unencrypted) modes.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Must be equipped with Mod 4 to meet TSG on-hook audio security performance specifications.

Unmodified single-line STU-III models require a disconnect device.

Also, must be equipped with plastic shim to resolve "off-hook condition" as identified by the TSG Suspension Notice, dated 28 June 1996.

ON-HOOK TELEPHONE AUDIO PERFORMANCE SPECIFICATIONS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE:	Secure telephone unit III (STU-III) Type 1 terminal
MANUFACTURER:	Motorola
MODEL:	Multiline with Mod 4
TRADE NAME:	Multiline STU-III
DESCRIPTION & USE:	Dual-purpose telephone capable of transmitting voice and data in both secure and non-secure (unencrypted) modes.
ORDER CODE:	Not available
POINT OF CONTACT:	Not available
TSG NUMBER:	None
PRICE:	Not available
AS OF:	Unknown
COMMENTS:	Must be equipped with Mod 4 to meet TSG on-hook audio security performance specifications. Unmodified multi-line STU-III models require a disconnect device.

ON-HOOK TELEPHONE AUDIO PERFORMANCE SPECIFICATIONS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Secure Telephone Unit (STU-III)

MANUFACTURER: Motorola

MODEL: SECTEL 1500 Single Line

TRADE NAME: Not available

DESCRIPTION & USE: A Type 1 terminal compatible with all STU-III terminals in either data or voice modes. This terminal is capable of transmitting voice or data in secure or non-secure (unencrypted) modes.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

ON-HOOK TELEPHONE AUDIO PERFORMANCE SPECIFICATIONS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Secure Telephone Unit (STU-III)

MANUFACTURER: Motorola

MODEL: SECTEL 2500

TRADE NAME: Not available

DESCRIPTION & USE: A single-line, Type 2 terminal approved for sensitive but unclassified voice and data. The terminal is interoperable with all Type 1 STU-III products. This terminal incorporates on-hook security measures required under TSG Standard 5, and as such is approved as a stand-alone terminal without need for an external line disconnect or isolator.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

ON-HOOK TELEPHONE AUDIO PERFORMANCE SPECIFICATIONS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Secure Telephone Unit (STU-III)

MANUFACTURER: Motorola

MODEL: STU-III/A

TRADE NAME: Not available

DESCRIPTION & USE: A single-line telephone compatible with all STU-III and STU-II terminals. The STU-III/A is capable of transmitting voice and data in both secure and non-secure (unencrypted) modes.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

ON-HOOK TELEPHONE AUDIO PERFORMANCE SPECIFICATIONS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Secure Telephone Unit (STU-II)

MANUFACTURER: Motorola

MODEL: SECTEL STU-II/B

TRADE NAME: Not available

DESCRIPTION & USE: A single-line telephone compatible with all STU-II terminals. The STU-II/B is similar in appearance to the STU-III.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

ON-HOOK TELEPHONE AUDIO PERFORMANCE SPECIFICATIONS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Secure Telephone Unit (STU-III)

MANUFACTURER: General Electric

MODEL: GE 9600

TRADE NAME: Not available

DESCRIPTION & USE: A Type 1 terminal compatible with all STU-III terminals in either data or voice modes. This terminal is capable of transmitting voice or data in secure or non-secure (unencrypted) modes. The weight is 23 lbs.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

ON-HOOK TELEPHONE AUDIO PERFORMANCE SPECIFICATIONS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE:	Secure Telephone Unit (STU-III)
MANUFACTURER:	AT&T
MODEL:	1100
TRADE NAME:	Not available
DESCRIPTION & USE:	A Type 1, single-line terminal compatible with all STU-III terminals in either data or voice modes.
ORDER CODE:	Not available
POINT OF CONTACT:	Not available
TSG NUMBER:	None
PRICE:	Not available
AS OF:	Unknown
COMMENTS:	None submitted

ON-HOOK TELEPHONE AUDIO PERFORMANCE SPECIFICATIONS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE:	Secure Telephone Unit (STU-III)
MANUFACTURER:	AT&T
MODEL:	2100
TRADE NAME:	Not available
DESCRIPTION & USE:	A Type 2, single-line terminal compatible with all STU-III terminals in either data or voice modes.
ORDER CODE:	Not available
POINT OF CONTACT:	Not available
TSG NUMBER:	None
PRICE:	Not available
AS OF:	Unknown
COMMENTS:	None submitted

ON-HOOK TELEPHONE AUDIO PERFORMANCE SPECIFICATIONS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Secure Telephone Unit (STU-III)
MANUFACTURER: AT&T
MODEL: 1150
TRADE NAME: Not available
DESCRIPTION & USE: A Type 1, multi-line terminal compatible with all STU-III terminals in either data or voice modes.
ORDER CODE: Not available
POINT OF CONTACT: Not available
TSG NUMBER: None
PRICE: Not available
AS OF: Unknown

COMMENTS: None submitted

ON-HOOK TELEPHONE AUDIO PERFORMANCE SPECIFICATIONS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE:	Secure Telephone Unit (STU-III)
MANUFACTURER:	AT&T
MODEL:	2150
TRADE NAME:	Not available
DESCRIPTION & USE:	A Type 2, multi-line terminal compatible with all STU-III terminals in either data or voice modes.
ORDER CODE:	Not available
POINT OF CONTACT:	Not available
TSG NUMBER:	None
PRICE:	Not available
AS OF:	Unknown
COMMENTS:	None submitted

ON-HOOK TELEPHONE AUDIO PERFORMANCE SPECIFICATIONS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Cellular STU-III

MANUFACTURER: Motorola

MODEL: Not available

TRADE NAME: Enhanced Cellular STU-III

DESCRIPTION & USE: A cellular STU-III that can interface with the PSTN either through free space or wirelines. It has a standard RJ-11 modular plug. It transmits a maximum of 3 watts and weighs 41 lbs. It supports voice in the non-secure and secure modes, and data in the secure mode using an RS-232C connector.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

ON-HOOK TELEPHONE AUDIO PERFORMANCE SPECIFICATIONS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Secure Telephone Unit (STU-III)

MANUFACTURER: AT&T

MODEL: 1100M

TRADE NAME: Merlin STU-III

DESCRIPTION & USE: A Type 1 terminal compatible with the Merlin PABX switches. It provides all features commonly available on Merlin supported telephones. Like all STU-III's, it support voice and data in secure and non-secure modes, and data in only the secure mode.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

ON-HOOK TELEPHONE AUDIO PERFORMANCE SPECIFICATIONS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Multiline adapter

MANUFACTURER: AT&T

MODEL: 105197735 Mod I

TRADE NAME: STU-III multiline adapter

DESCRIPTION & USE: Provides keystrip and ringer to adapt a single-line STU-III telephone set for use with a 1A2-type key telephone system.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Must be equipped with Mod I to meet TSG on-hook audio security performance specifications. Unmodified multiline adapters require a disconnect device and/or ringer protection.

ON-HOOK TELEPHONE AUDIO PERFORMANCE SPECIFICATIONS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Multiline adapter

MANUFACTURER: GE/RCA

MODEL: Part number 8689417-501

TRADE NAME: STU-III multiline adapter

DESCRIPTION & USE: Provides keystrip and ringer to adapt a single-line STU-III for use with an IA2-type key telephone system.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Meets TSG on-hook audio security performance specifications.

ON-HOOK TELEPHONE AUDIO PERFORMANCE SPECIFICATIONS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Secure Telephone Unit (STU-III) Interface

MANUFACTURER: Motorola

MODEL: STU-III/R

TRADE NAME: Not available

DESCRIPTION & USE: An interface that provides compatibility between a secure telephone unit (STU-III) network and the public switched telephone network. The interface is remotely controlled by the telephones it supports.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

ON-HOOK TELEPHONE AUDIO PERFORMANCE SPECIFICATIONS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: STU-III Secure Data Device

MANUFACTURER: AT&T

MODEL: 1900

TRADE NAME: Not available

DESCRIPTION & USE: The Secure Data Device (SDD) is a data-only STU-III compatible with all STU-III terminals in the data mode at 9.6 KBS.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

ON-HOOK TELEPHONE AUDIO PERFORMANCE SPECIFICATIONS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: STU-III Secure Data Device

MANUFACTURER: AT&T

MODEL: 1910

TRADE NAME: Not available

DESCRIPTION & USE: The Secure Data Device (SDD) is a data-only STU-III compatible with all STU-III terminals in the data mode at 14.4 KBS.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Any telephone used with the SDD to coordinate its operation must be TSG approved when used in a sensitive discussion area.

ON-HOOK TELEPHONE AUDIO PERFORMANCE SPECIFICATIONS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Type-accepted telephone interface

MANUFACTURER: Eagle Telephonics, Inc.

MODEL: STU-III Interface

TRADE NAME: Not available

DESCRIPTION & USE: The STU-III Interface allows a single-line STU-III terminal to perform all the sophisticated functions of an EAGLE ONE 20-button key telephone while only requiring 3-pair for connection to the KSU (Key Service Unit).

ORDER CODE: Not available

POINT OF CONTACT: Eagle Telephonics, Inc.
Bohemia, New York
(631) 471-3600
E-mail: eagle@eagle-tel.com

TSG NUMBER: TSG-210091058

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

ON-HOOK TELEPHONE AUDIO PERFORMANCE SPECIFICATIONS**Telephones Type-Accepted in accordance with TSG Standard 5**

DEVICE TYPE: STU-III Interface

MANUFACTURER: Motorola

MODEL: STI-377 Module

TRADE NAME: Not available

DESCRIPTION & USE: The STI-377 Module interfaces a Motorola SECTEL 1500, 2500, or STU-III A with a Northern Telecom DMS-100 or SL-100 switch. The Module has 9 user programmable keys which can provide the same features as NTI telephone models 5009S or "P" Phone.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

ON-HOOK TELEPHONE AUDIO PERFORMANCE SPECIFICATIONS**Telephones Type-Accepted in accordance with TSG Standard 5**

DEVICE TYPE:	STU-III Facsimile
MANUFACTURER:	Motorola
MODEL:	SECTEL MFAX 5000T
TRADE NAME:	Not available
DESCRIPTION & USE:	The SECTEL MFAX 5000T is an MFAX 5000T fax unit combined with a Motorola SECTEL 1500 STU-III to provide the world's first phone/fax/data in either secure or clear modes. The SECTEL MFAX 5000T weighs 20 lbs.
ORDER CODE:	Not available
POINT OF CONTACT:	Not available
TSG NUMBER:	None
PRICE:	Not available
AS OF:	Unknown
COMMENTS:	Connects with all Motorola SECTEL terminals. Authenticates caller and recipient: <ul style="list-style-type: none">• Send and receive secure or clear faxes• Talk while you fax• Fax uses thermal paper• Clear fax prints in 16 shades of gray• Unattended 24 hour fax reception• Routes fax to computer for later retrieval• Programmable for disabling of clear fax• Secure: 9600, 4800, 2400 bps• Clear: 9600, 7200, 4800, 2400, 1200 bps• Memory dialing for up to 16 sets of numbers.

ON-HOOK TELEPHONE AUDIO PERFORMANCE SPECIFICATIONS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: STU-III Two Line Adapter

MANUFACTURER: AT&T

MODEL: FWA-1

TRADE NAME: Not available

DESCRIPTION & USE: The FWA-1 interfaces between two 2-wire or one 2-wire and one 4-wire incoming telephone lines, and a STU-III telephone. It is compatible with a 4-wire Autovon line. Simultaneous operation on two lines is possible, e.g., talking on one line, while receiving an incoming calls on the second line.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: The FWA-1 is approved for use without the need for an external disconnect or isolator.

OTHER TSG-APPROVED TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Telephone

MANUFACTURER: AT&T

MODEL: 680A - **Manufacturer Discontinued Product**

TRADE NAME: Telephone

DESCRIPTION & USE: Rotary dial, 18-key CALL DIRECTOR.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Ringer protection is required. Formerly manufactured by WECO

OTHER TSG-APPROVED TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Telephone

MANUFACTURER: AT&T

MODEL: 2851CM-60

TRADE NAME: Telephone

DESCRIPTION & USE: Touchtone, wall-mount, 6-key telephone.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Ringer protection is required. Formerly manufactured by WECO

OTHER TSG-APPROVED TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Telephone

MANUFACTURER: AT&T

MODEL: 3641AMW1A R/B, and 3641AM1A

TRADE NAME: Telephone

DESCRIPTION & USE: 16-button touchtone dial, 2-wire- or 4-wire-(AUTOVON)-compatible, 30-key CALL DIRECTOR.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Ringer protection is required. Formerly manufactured by WECO

OTHER TSG-APPROVED TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Telephone

MANUFACTURER: AT&T

MODEL: 3640AMW1A R/B, and 3640AM1B

TRADE NAME: Telephone

DESCRIPTION & USE: 16-button touchtone dial, 2-wire- or 4-wire-(AUTOVON)-compatible, 18-key CALL DIRECTOR.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Ringer protection is required. Formerly manufactured by WECO

OTHER TSG-APPROVED TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Telephone

MANUFACTURER: AT&T

MODEL: 2685AM1

TRADE NAME: Telephone

DESCRIPTION & USE: Touchtone dial, 30-button CALL DIRECTOR.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Ringer protection is required. Formerly manufactured by WECO

OTHER TSG-APPROVED TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Telephone

MANUFACTURER: AT&T

MODEL: 2684AM1

TRADE NAME: Telephone

DESCRIPTION & USE: Touchtone dial, 18-button CALL DIRECTOR.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Ringer protection is required. Formerly manufactured by WECO

OTHER TSG-APPROVED TELEPHONES

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Telephone

MANUFACTURER: AT&T

MODEL: 681A - **Manufacturer Discontinued Product**

TRADE NAME: Telephone

DESCRIPTION & USE: Rotary dial, 30-button CALL DIRECTOR.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Ringer protection is required. Formerly manufactured by WECO

OTHER TSG-APPROVED TELEPHONES**Telephones Type-Accepted in accordance with TSG Standard 5**

DEVICE TYPE: Telephone

MANUFACTURER: Electrospace Systems, Inc.
(L3 Communications Integrated Systems Group)

MODEL: MLP-2

TRADE NAME: Multi-Line Phone-2

DESCRIPTION & USE: Telephone approved for both red and black applications (must be wired to supporting telephone switch[es]).

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

TSG-APPROVED DISCONNECT/ISOLATION DEVICES

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Telephone line disconnect

MANUFACTURER: AT&T

MODEL: 270A - **Manufacturer Discontinued Product**

TRADE NAME: Automatic disconnect

DESCRIPTION & USE: Automatically disconnects a 2-wire or 4-wire instrument from the outgoing telephone lines.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Formerly manufactured by WECO

TSG-APPROVED DISCONNECT/ISOLATION DEVICES

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Telephone line disconnect

MANUFACTURER: AT&T

MODEL: 270B or 270BW

TRADE NAME: Automatic disconnect

DESCRIPTION & USE: Automatically disconnects a 2-wire or 4-wire instrument from the outgoing telephone lines.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Formerly manufactured by WECO

TSG-APPROVED DISCONNECT/ISOLATION DEVICES

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Key system telephone line disconnect

MANUFACTURER: SanBar Telecom, LLC

MODEL: 4001A

TRADE NAME: SanBar disconnect line card

DESCRIPTION & USE: Automatically disconnects the speech path of a multiline instrument from the outgoing telephone lines.

ORDER CODE: Not available

POINT OF CONTACT: SanBar Telecom, LLC
2899 Agoura Rd, Ste 726
Westlake, CA 91361
Phone: 818-706-3076
Fax: 818-706-2329

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Replaces the standard telephone line card in 1A2-type electromechanical key systems.

TSG-APPROVED DISCONNECT/ISOLATION DEVICES

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Line disconnect

MANUFACTURER: SanBar Telecom, LLC

MODEL: 4001B, also known as 4001-201

TRADE NAME: Not available

DESCRIPTION & USE: This line card replaces the standard telephone line card in 1A2-type Key Service Units. It automatically disconnects the speech path of a multiline telephone from the outgoing telephone line.

ORDER CODE: Not available

POINT OF CONTACT: SanBar Telecom, LLC
2899 Agoura Rd, Ste 726
Westlake, CA 91361
Phone: 818-706-3076
Fax: 818-706-2329

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

TSG-APPROVED DISCONNECT/ISOLATION DEVICES

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Automatic disconnect/optical isolator

MANUFACTURER: Mid-Atlantic Electronic Technologies
(Unable to verify if company is still in business)

MODEL: 87030

TRADE NAME: OPSYS

DESCRIPTION & USE: Fiber-optic isolation system for use with telephone systems.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Can be used to provide isolation for fire and intrusion alarms

Compatible with 2 or 4 wire voice/data circuits; key system telephones; or RS-422 data circuits

Provides isolation between the subscriber's and destination telephone systems

TSG-APPROVED DISCONNECT/ISOLATION DEVICES

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Line disconnect

MANUFACTURER: Northern Telecom Inc.
(Changed name to Nortel Networks Corporation in 1998)

MODEL: UKS-IOS

TRADE NAME: Not available

DESCRIPTION & USE: This line card replaces the standard telephone line card in IA2-type Key Service Units. It automatically disconnects the speech path of a multiline telephone from the outgoing telephone line.

ORDER CODE: Not available

POINT OF CONTACT: 1-800-4NORTEL (1-800-466-7835)

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

TSG-APPROVED DISCONNECT/ISOLATION DEVICES

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Isolator

MANUFACTURER: Novacom, Inc. *(Novacom, Inc. defunct June 1991)*

MODEL: TISD (Telephone Interface Security Device)

TRADE NAME: None

DESCRIPTION & USE: The TISD provides automatic fiber-optic isolation for up to six lines. It includes a self-test feature to detect faulty interface circuit boards. It is compatible with analog, 2-wire loop, ground, or direct inward dial (DID) start for telephone systems worldwide.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

TSG-APPROVED DISCONNECT/ISOLATION DEVICES**Telephones Type-Accepted in accordance with TSG Standard 5**

DEVICE TYPE: Isolator

MANUFACTURER: Versitron, Inc.

MODEL: R701

TRADE NAME: Not available

DESCRIPTION & USE: This system consists of two electrically and physically isolated modules. It includes the R701 telephone line isolator, a 12502 outside exchange card connected by fiber-optic cables to a 12503 inside subscriber card, a G702 (P/N 12504) ring generator, a front cover assembly with fan (P/N 14067), and a power supply. These cards are located in the E99OZ enclosure (P/N 13090).

ORDER CODE: Not available

POINT OF CONTACT: Versitron, Inc.
83 Albe Drive – Suite C
Newark, Delaware 19702
(302) 894-0699
URL: www.versitron.com

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: This automatic isolator system has been in use since the 1970's.

TSG-APPROVED DISCONNECT/ISOLATION DEVICES**Telephones Type-Accepted in accordance with TSG Standard 5**

DEVICE TYPE: CTS with Automatic Optical Isolator

MANUFACTURER: AT&T
Mid-Atlantic Electronic Technologies**
*(** Unable to verify if company is still in business)*

MODEL: None Available

TRADE NAME: Merlin Legend Secure Communications System

DESCRIPTION & USE: The Computerized Telephone Switch (CTS) includes an automatic Optical Isolation System (OIS). It provides out-of-building service, intercom, ring-down, and paging. It is compatible with trunks that are 2-wire loop and 4-wire E&M, and 2-wire drop lines. In order to qualify for TSG approval, the CTS must be installed, controlled, and maintained according to TSG Standard 2. The control of the CTS by cleared US personnel protects the security features of the OIS.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: The OIS is a newer version of the Mid-Atlantic OPSYS optical isolation system.

TSG-APPROVED DISCONNECT/ISOLATION DEVICES**Telephones Type-Accepted in accordance with TSG Standard 5**

DEVICE TYPE: Line Disconnect

MANUFACTURER: Exbar Associates, Inc
(Unable to verify if company is still in business)

MODEL: 4-007

TRADE NAME: Not available

DESCRIPTION & USE: This telephone security line card replaces the standard line card in 1A2-type Key Service Units (KSU). It automatically disconnects the speech path of a telephone from the outgoing telephone line. This card is approved only when the PFC (power failure cut-through) feature is switched OFF.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

TSG-APPROVED DISCONNECT/ISOLATION DEVICES**Telephones Type-Accepted in accordance with TSG Standard 5**

DEVICE TYPE: Disconnect

MANUFACTURER: Mid-Atlantic Electronic Technologies
(Unable to verify if company is still in business)

MODEL: OPSYS-MCOV line card

TRADE NAME: Not available

DESCRIPTION & USE: The line card is an option of the OPSYS optical isolator system, also made by Mid-Atlantic. The cards are plugged in to OPSYS cages, one at each end of the fiber path. Each card supports two Mitel MCOV circuits between a Mitel PBX and a compatible Mitel voice instrument, thus providing an interface and disconnect for a full featured Mitel instrument.

ORDER CODE: OPSYS-MCOV

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

RINGER PROTECTION

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE:	Protective ringer
MANUFACTURER:	AT&T
MODEL:	RIA
TRADE NAME:	Not available
DESCRIPTION & USE:	Self-contained, externally mounted, non-resonant ringer assembly.
ORDER CODE:	Not available
POINT OF CONTACT:	Not available
TSG NUMBER:	None
PRICE:	Not available
AS OF:	Unknown
COMMENTS:	Formerly manufactured by WECO

RINGER PROTECTION**Telephones Type-Accepted in accordance with TSG Standard 5**

DEVICE TYPE: Protective ringer

MANUFACTURER: AT&T

MODEL: D-180414 kit of parts

TRADE NAME: R2 ringer isolator

DESCRIPTION & USE: Kit of electronic parts used to isolate a factory-installed telephone ringer.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Formerly manufactured by WECO

May use in conjunction with some microphonic ringers to create non-microphonic ringer assemblies.

TSG-APPROVED HANDSETS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Push-to-operate handset

MANUFACTURER: AT&T

MODEL: G10A

TRADE NAME: Not available

DESCRIPTION & USE: Push-to-operate handset installed in lieu of factory handset.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Formerly manufactured by WECO

TSG-APPROVED HANDSETS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Push-to-operate handset

MANUFACTURER: AT&T

MODEL: G10B

TRADE NAME: Not available

DESCRIPTION & USE: Push-to-operate handset installed in lieu of factory handset.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Formerly manufactured by WECO

TSG-APPROVED HANDSETS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE:	Push-to-operate handset
MANUFACTURER:	AT&T
MODEL:	G10F
TRADE NAME:	Not available
DESCRIPTION & USE:	Push-to-operate handset installed in lieu of factory handset.
ORDER CODE:	Not available
POINT OF CONTACT:	Not available
TSG NUMBER:	None
PRICE:	Not available
AS OF:	Unknown
COMMENTS:	Formerly manufactured by WECO

TSG-APPROVED HANDSETS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE:	Push-to-operate handset
MANUFACTURER:	AT&T
MODEL:	Type R, with security modification
TRADE NAME:	None Available
DESCRIPTION & USE:	Push-to-operate handset installed in lieu of factory handset.
ORDER CODE:	Not available
POINT OF CONTACT:	Not available
TSG NUMBER:	None
PRICE:	Not available
AS OF:	1987
COMMENTS:	None submitted

TSG-APPROVED HANDSETS**Telephones Type-Accepted in accordance with TSG Standard 5**

DEVICE TYPE: Push-to-talk handset

MANUFACTURER: Lucent Technologies (*Formerly AT&T*)

MODEL: Secure Push-to-Talk K2S1

TRADE NAME: Not available

DESCRIPTION & USE: This handset is black in color and is shaped as a K type. It is designed to operate with the 8000 series AT&T voice terminals.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: None submitted

TSG-APPROVED TELEPHONE FILTERS**Telephones Type-Accepted in accordance with TSG Standard 5**

DEVICE TYPE:	Filter
MANUFACTURER:	AT&T
MODEL:	KS20161
TRADE NAME:	Not available
DESCRIPTION & USE:	Low-pass, single-wire, radio frequency filter used to prevent signals above 10 kHz from passing via telephone lines.
ORDER CODE:	Not available
POINT OF CONTACT:	Not available
TSG NUMBER:	None
PRICE:	Not available
AS OF:	Unknown
COMMENTS:	Formerly manufactured by WECO

TSG-APPROVED TELEPHONE FILTERS**Telephones Type-Accepted in accordance with TSG Standard 5**

DEVICE TYPE:	Filter
MANUFACTURER:	AT&T
MODEL:	KS20162
TRADE NAME:	Not available
DESCRIPTION & USE:	Low-pass, balanced, 2-wire, radio frequency filter used to prevent signals above 10 kHz from passing via telephone lines.
ORDER CODE:	Not available
POINT OF CONTACT:	Not available
TSG NUMBER:	None
PRICE:	Not available
AS OF:	Unknown
COMMENTS:	Formerly manufactured by WECO

TSG-APPROVED TELEPHONE FILTERS

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Filter cabinet

MANUFACTURER: Filtron Manufacturing Co**
All-Tronics, Inc.**
RF Interonics**
Cornell Dubilier Electronics**
Lectro-Magnetics, Inc.**
Genisco Technology Corp**

*(** Unable to verify if companies are still in business)*

MODEL: Not available.

TRADE NAME: Not Available

DESCRIPTION & USE: Radio frequency-tight cabinet for mounting filters.

ORDER CODE: Not available

POINT OF CONTACT: Filtron Manufacturing Co. (516) 433-5311
All-Tronics, Inc. (516) 333-3090
RF Interonics Corp. (516) 231-6400
Cornell Dubilier Electronics (213) 829-6701
LectroMagnetics, Inc. (213) 870-9383
Genisco Technology Corp. (213) 537-4750

(Unable to verify if all company contact numbers are valid)

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: A large variety of sizes and styles of cabinets are available from the various manufacturers listed.

MISCELLANEOUS TSG-APPROVED EQUIPMENT

Telephones Type-Accepted in accordance with TSG Standard 5

DEVICE TYPE: Keystrip

MANUFACTURER: WECO (*Defunct in 1995*)

MODEL: 6050

TRADE NAME: Not available

DESCRIPTION & USE: Externally mounted keystrip to provide multiline service in areas with single-line telephones equipped with plug and jack or single-line automatic disconnects.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Provides five lines and hold.

MISCELLANEOUS TSG-APPROVED EQUIPMENT**Telephones Type-Accepted in accordance with TSG Standard 5**

DEVICE TYPE: Keystrip

MANUFACTURER: WECO (*Defunct in 1995*)

MODEL: 6051

TRADE NAME: Not available

DESCRIPTION & USE: Externally mounted keystrip to provide multiline service in areas with single-line telephones equipped with plug and jack or single-line automatic disconnects.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Provides 11 lines and hold.

MISCELLANEOUS TSG-APPROVED EQUIPMENT**Telephones Type-Accepted in accordance with TSG Standard 5**

DEVICE TYPE: Telephone Answering Machine

MANUFACTURER: Phonemate, Inc.

MODEL: 3900

TRADE NAME: Not available

DESCRIPTION & USE: The 3900 has a remote message retrieval feature. Simultaneous telephone usage is possible without a duplex adapter. It has a toll saver feature, e.g., if messages are recorded, it answers after the second ring; if none are recorded, it answers after the fourth ring.

ORDER CODE: Not available

POINT OF CONTACT: Phonemate, Inc.
20665 Manhattan Place
Torrance, California 90501-1827
(310) 618-9910
URL: www.phonemate.cm

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Telephone Answering Devices (TADs), unlike telephones, automatically answer incoming calls. This provides a direct path from the TAD to the outside world at the calling party's initiative. TADs with remote message retrieval provide another vulnerability of possible message retrieval by outsiders. Individual messages may be innocuous but sensitive when combined. Additionally, sensitive messages may be left erroneously by callers. The 3900 should be restricted from sensitive discussion areas, but if absolutely necessary, it should be connected to the telephone and power lines only in the absence of sensitive discussions. TADs are prohibited in sensitive discussion areas administered under TSG Standard 2.

MISCELLANEOUS TSG-APPROVED EQUIPMENT**Telephones Type-Accepted in accordance with TSG Standard 5**

DEVICE TYPE: Handset Disconnect

MANUFACTURER: DynaMetric, Inc.

MODEL: COM-205R

TRADE NAME: Not available

DESCRIPTION & USE: The COM-205R is designed for the AT&T Merlin type "R" handset with a rectangular mouthpiece. It consists of a module of gravity switches that connects between the handset and the handset cord. It includes a metal clamp to ensure a snug, secure fit against the handset. It is designed to disconnect the handset elements from the telephone while in the horizontal plane up to 30 degrees. The COM-205R is intended for use as an unattended off-hook device to provide an automatic hold feature.

ORDER CODE: Not available

POINT OF CONTACT: DynaMetric, Inc.
11636 Goldring Road
Arcadia, California 91006-5815
1-800-525-6925 or (626) 358-2559
URL: <http://www.dynametric.com/>

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: Other than providing a hold feature, the COM-205R also disconnects the handset while the handset is in the cradle. Although this module is TSG-approved, connecting it to an unapproved telephone does not imply that the telephone then becomes approved. Telephones may have other internal components, such as the annunciator, that are microphonic.

MISCELLANEOUS TSG-APPROVED EQUIPMENT**Telephones Type-Accepted in accordance with TSG Standard 5**

DEVICE TYPE: Fiber Optic Transmission Link Interface

MANUFACTURER: Mid-Atlantic Electronic Technologies, Inc.
(Unable to verify if company is still in business)

MODEL: OPSYS ISDN BRI Card

TRADE NAME: Optical Signal Isolation System

DESCRIPTION & USE: **NOT APPROVED FOR ON-HOOK AUDIO ISOLATION**

The ISDN Basic Rate Interface card is housed in the model OPSYS and support a short range fiber-optic transmission link and ISDN telephone.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: The ISDN BRI card does not meet TSG requirements for on-hook telephone audio isolation. However, it does not introduce any additional audio surveillance hazard into the area in which it is installed. It is TSG-approved for TEMPEST isolation applications.

The model OPSYS will also support an interface card that provides on-hook audio isolation for analog telephones.

MISCELLANEOUS TSG-APPROVED EQUIPMENT**Telephones Type-Accepted in accordance with TSG Standard 5**

DEVICE TYPE: Voice Privacy Device

MANUFACTURER: AT&T

MODEL: TSD 3600

TRADE NAME: Not available

DESCRIPTION & USE: The TSD, which is small in size, comes with a 110 VAC to DC power supply, three handset compatibility modules, an interface cord, and instruction manual, and a carrying case. Clear or privacy modes are selected and indicated on a liquid crystal display.

The TSD is not approved for National Security information, nor does it make a telephone TSG-approved. The TSD is intended for use with TSG approved, non-secure telephones. The TSD, located between the handset and telephone base, provides voice privacy with another telephone equipped with a similar device.

ORDER CODE: Not available

POINT OF CONTACT: Not available

TSG NUMBER: None

PRICE: Not available

AS OF: Unknown

COMMENTS: The TSD typically delays voice by one or two syllables.

ANNEX C

CNSS SECRETARIAT MANAGER's MEMORANDA

This Annex contains a listing of Advisory Memoranda that identify new devices approved by the Committee on National Security Systems. All Unclassified CNSS Secretariat Manager Memoranda are posted on the CNSS public domain website, www.cnss.gov, under "ISSUANCES => OTHERS."

- [CNSS-094-09](#), CNSS Secretariat Manager, "Subject: Issuance of CNSS Letters of Approval and Serial Numbers," 6 November 2009
- [CNSS-009-10](#), CNSS Secretariat Manager, "Subject: Issuance of CNSS Letters of Approval and Serial Numbers," 3 March 2010
- [CNSS-002-11](#), Vendors Equipment Approval Memo CNSS 01-11 2010, dated 7 January 2011
- [CNSS-020-11](#), Vendors Equipment Approval Memo CNSS 06 and 10-11 2010, dated April 2011