

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~



Secretariat Manager

CNSS-165-06
20 October 2006

MEMORANDUM FOR DISTRIBUTION

SUBJECT: Amendment to NSTISSI No. 3030 – ACTION MEMORANDUM

1. (U//~~FOUO~~) [Redacted]

2. (U) Please replace Paragraph 27.a with the following:

(b) (3)-18 USC 798
(b) (3)-P.L. 86-36

27. (U) Destruction

a. (U//~~FOUO~~) [Redacted]

(U) If forwarding material through Defense Courier Service (DCS), the address is:

HKD 129
449563-BA20 021
FILM DESTRUCTION FACILITY

b. (U) A destruction report using the SF-153 shall be submitted upon return of the signed CMC receipt form.

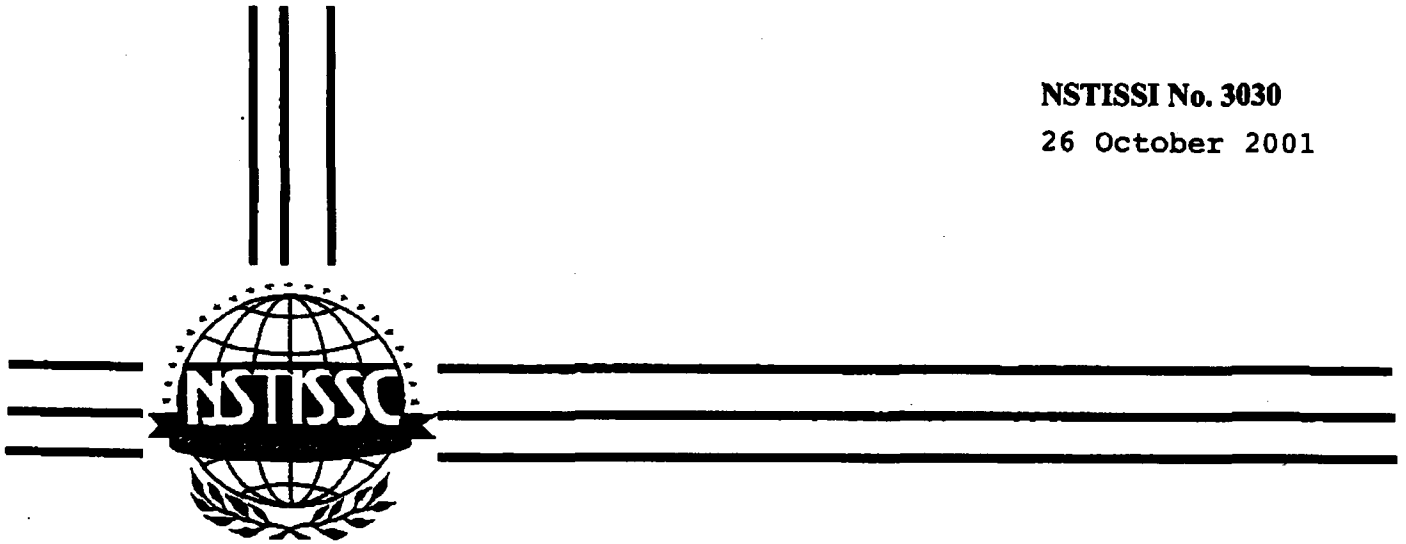
/s/ [Redacted] (b)(3)-P.L. 86-36

Approved for Release by NSA on 09-25-2024, FOIA Case # 51573

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

NSTISSI No. 3030

26 October 2001



**(U) OPERATIONAL SYSTEMS
SECURITY DOCTRINE FOR THE
FORTEZZA PLUS (KOV-14)
CRYPTOGRAPHIC CARD AND
ASSOCIATED SECURE TERMINAL
EQUIPMENT (STE)**

**THIS DOCUMENT PROVIDES MINIMUM STANDARDS. FURTHER
IMPLEMENTATION MAY BE REQUIRED BY YOUR DEPARTMENT OR AGENCY.**

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

NSTISSI No. 3030



NATIONAL MANAGER

(U) FOREWORD

1. (U) National Security Telecommunications and Information Systems Security Instruction (NSTISSI) No. 3030, "Operations Systems Security Doctrine for the FORTEZZA PLUS (KOV-14) Cryptographic Card and Associated Secure Terminal Equipment (STE)," prescribes the minimum security standards for the protection and use of the KOV-14 cryptographic card and associated STE.

2. (U) NSTISSI No. 3030 is effective upon receipt.

3. (U) Representatives of the National Security Telecommunications and Information Systems Security Committee may obtain additional copies of this NSTISSI at the address listed below.

4. (U) U.S. Government contractors and vendors shall contact their appropriate government agency or Contracting Officer Representative regarding distribution of this document.

5. (U//~~FOUO~~) Comments and suggestions regarding this NSTISSI may be sent directly to the National Security Agency, [redacted]

Michael V. Hayden
MICHAEL V. HAYDEN
Lieutenant General, USAF

(b) (3) -P.L. 86-36

NSTISSC Secretariat [redacted] National Security Agency, 9800 Savage Road STE 6716, Ft Meade MD 20755-6716

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

NSTISSI No. 3030

**(U) OPERATIONAL SYSTEMS SECURITY DOCTRINE
FOR THE FORTEZZA PLUS (KOV-14) CRYPTOGRAPHIC CARD AND
ASSOCIATED SECURE TERMINAL EQUIPMENT (STE)**

| TITLE | SECTION |
|---|---------|
| PURPOSE AND SCOPE..... | I |
| REFERENCES | II |
| DEFINITIONS..... | III |
| EQUIPMENT/SYSTEM DESCRIPTION/LEVEL OF USE | IV |
| PERSONNEL RESPONSIBILITIES | V |
| KEYING INFORMATION | VI |
| CLASSIFICATION/MARKING..... | VII |
| SYSTEM/EQUIPMENT UNIQUE ISSUES | VIII |
| MAINTENANCE | IX |
| DISPOSITION/DESTRUCTION..... | X |
| COMSEC INCIDENTS/ADMINISTRATIVE INCIDENTS..... | XI |
| EXCEPTIONS | XII |
| INSTALLATION | XIII |

SECTION I - (U) PURPOSE AND SCOPE

1. (U) This doctrine contains minimum security standards for the protection and use of the KOV-14 cryptographic card associated with the Secure Terminal Equipment (STE). The features and capabilities discussed in this document are offered in the Release 2X software for the STE. Users should contact their department, agency, or command authority for specific guidance applicable to the local environment.

2. (U) The provisions of this doctrine apply to all departments and agencies of the U.S. Government and to their contractors, who handle, distribute, account for, store, or use the KOV-14 cryptographic cards and the STE terminals.

3. (U) Any conflicts between the requirements contained in this doctrine and any other national-level publication shall be addressed, through service/command channels, to the attention of the NSA [redacted] for resolution. Requests for exceptions to any of the provisions of this doctrine must be submitted through service/agency channels to DIRNSA, [redacted]

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

(b)(3)-P.L. 86-36

NSTISSI No. 3030

for approval prior to implementation. All waiver requests for exceptions must be accompanied by complete operational justification.

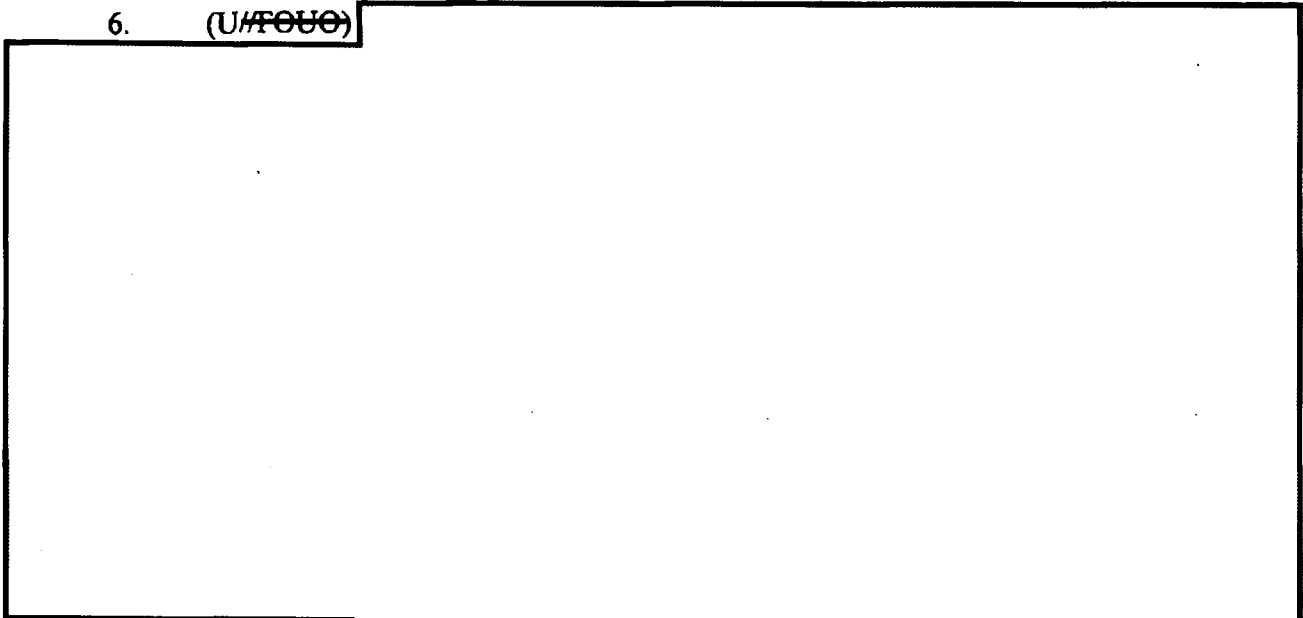
SECTION II - (U) REFERENCES

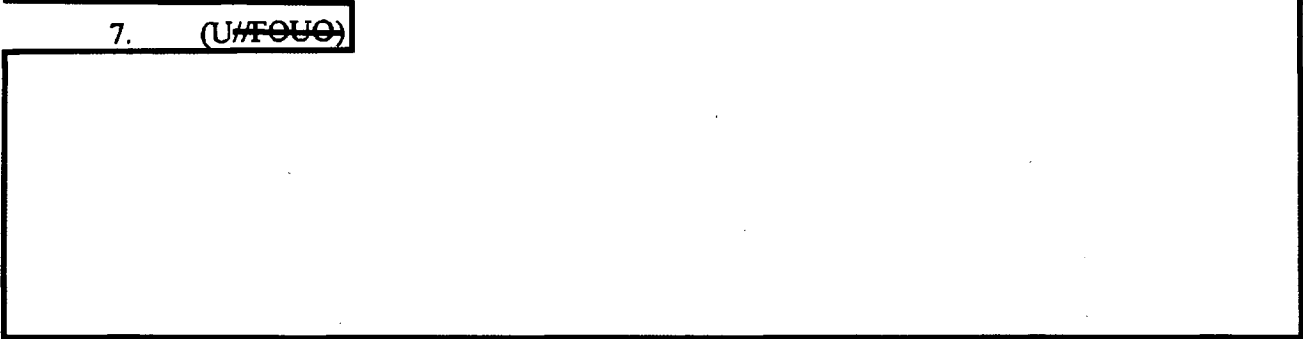
4. (U) This doctrine makes reference to a number of other national-level documents. A listing of these documents is contained in ANNEX A.

SECTION III - (U) DEFINITIONS

5. (U) Definitions and acronyms contained in reference g, NSTISSI No. 4009, apply to this doctrine. Additional definitions of specialized terms that are unique to this doctrine are contained in ANNEX B.

SECTION IV - (U) EQUIPMENT/SYSTEM DESCRIPTION/LEVEL OF USE

6. (U//~~FOUO~~)


7. (U//~~FOUO~~)


(b) (3) -18 USC 798
(b) (3) -P.L. 86-36

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

NSTISSI No. 3030

[Redacted]

8. (U//FOUO)

[Redacted]

9. (U) A user who accepts the use of a KOV-14 card is solely responsible for safeguarding the card and cannot further transfer the card without the knowledge of the Communications Security (COMSEC) Custodian. A user may allow or permit other people to use his or her card as long as the person is cleared to the security level of the keys programmed on the card. Unless prohibited by local security policy, the user card and/or carry card can be transported without written courier authorization.

10. (U//FOUO)

[Redacted]

11. (U) An authorized person must supervise access by a person not having an appropriate clearance to a STE with a KOV-14 inserted.

12. (U//FOUO)

[Redacted]

13. (U) A user must protect a KOV-14 card by either keeping it in the user's personal possession or storing it in a manner that will minimize the possibility of loss, unauthorized use, substitution, tampering, or breakage. In general, a user can send the KOV-14 card through X-ray machines or other security devices commonly used at the airports without harmful effect to the card.

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

(b) (3) -18 USC 798
(b) (3) -P.L. 86-36

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

NSTISSI No. 3030

SECTION V - (U) PERSONNEL RESPONSIBILITIES

14. (U//FOUO)

[Redacted]

15. (U//FOUO)

[Redacted]

a. (U//FOUO)

[Redacted]

b. (U//FOUO)

[Redacted]

c. (U//FOUO)

[Redacted]

d. (U//FOUO)

[Redacted]

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

(b) (3) -18 USC 798
(b) (3) -P.L. 86-36

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

NSTISSI No. 3030

e. (U//FOUO)

[Redacted]

f. (U//FOUO)

SECTION VI - (U) KEYING INFORMATION

16. (U//FOUO)

[Redacted]

a. (U//FOUO)

b. (U//FOUO)

17. (U//FOUO)

NOTE: (U//FOUO)

18. (U//FOUO)

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

(b) (3) - 18 USC 798
(b) (3) - P.L. 86-36

UNCLASSIFIED//FOR OFFICIAL USE ONLY

NSTISSI No. 3030

SECTION VII - (U) CLASSIFICATION/MARKING

19. **(U) STE Accountability, Classification, and Handling**

a. ~~(U//FOUO)~~

[Redacted content for item 19a]

b. ~~(U//FOUO)~~

[Redacted content for item 19b]

20. **(U) KOV-14 Accountability, Classification, and Handling**

a. ~~(U//FOUO)~~

[Redacted content for item 20a]

b. ~~(U//FOUO)~~

[Redacted content for item 20b]

c. ~~(U//FOUO)~~

[Redacted content for item 20c]

d. ~~(U//FOUO)~~

[Redacted content for item 20d]

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

NSTISSI No. 3030

e. (U//FOUO)

[Redacted]

f. (U//FOUO)

[Redacted]

g. (U//FOUO)

[Redacted]

h. (U//FOUO)

[Redacted]

i. (U//FOUO)

[Redacted]

SECTION VIII - (U) SYSTEM/EQUIPMENT UNIQUE ISSUES

21. (U) STE Data Port

a. (U//FOUO)

[Redacted]

b. (U//FOUO)

[Redacted]

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

(b) (3) -18 USC 798
(b) (3) -P.L. 86-36

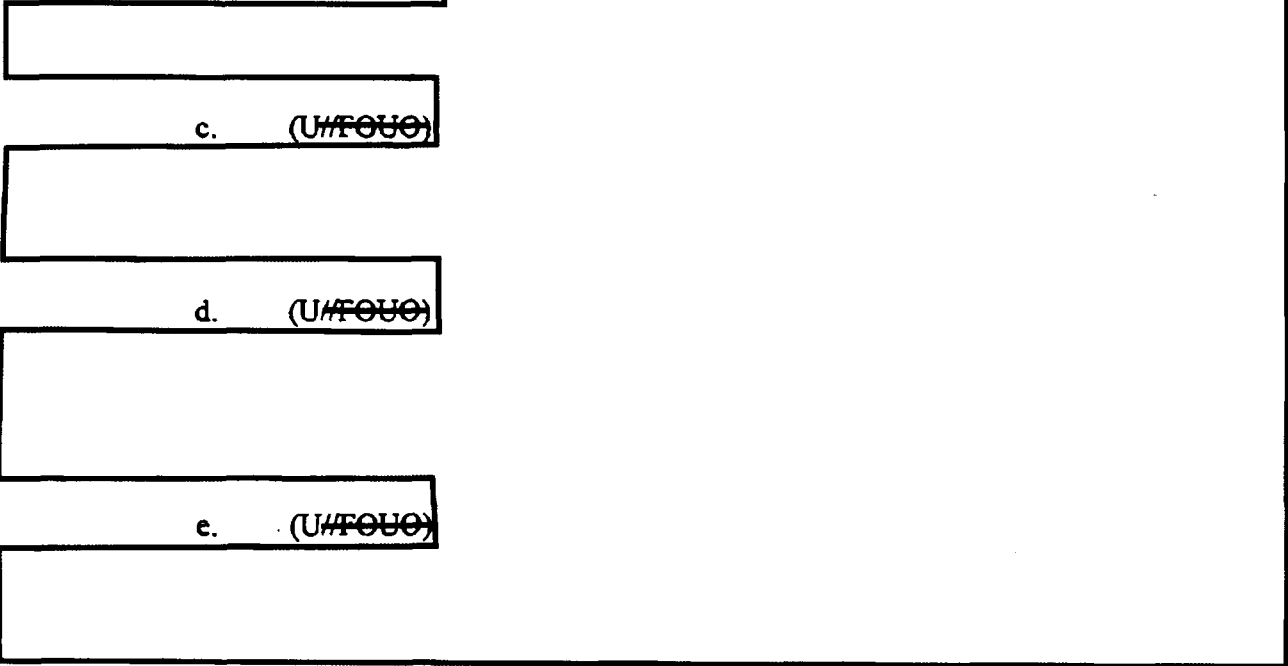
~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

NSTISSI No. 3030

22. (U) Transportation

a. (U) The STE may be delivered by any commercial carrier, preferably one that provides continuous tracking.

b. (U//FOUO)



c. (U//FOUO)

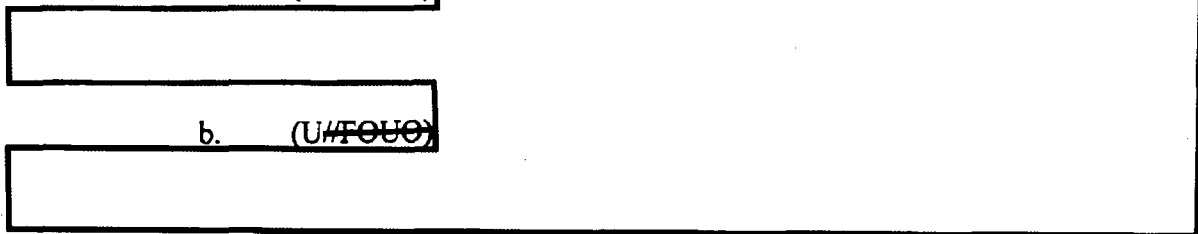
d. (U//FOUO)

e. (U//FOUO)

f. (U) If the STE and its associated user card or if the user card and its associated carry card cannot be separated for shipping, they will be packaged and transported as classified material in a manner consistent with the classification level of keying material on the card.

23. (U) User Account Periodic Inventory

a. (U//FOUO)



b. (U//FOUO)

c. (U) Cards that are issued to users do not require a witness for an audit. A hand receipt will be issued for cards that cannot be physically sighted.

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

NSTISSI No. 3030

24. (U) Software Upgrades

a. (U//~~FOUO~~)

[Redacted]

b. (U//~~FOUO~~)

[Redacted]

SECTION IX - (U) MAINTENANCE

25. (U) Maintenance

a. (U) Both the STE and the KOV-14 shall be serviced by the original vendor or by authorized personnel. Any attempt to open the KOV-14 other than by the original manufacturer is prohibited. Personnel servicing STE equipment or KOV-14 cards must be officially trained in accordance with NSTISSI No. 4000 (Communications Security Equipment Maintenance & Maintenance Training).

b. (U//~~FOUO~~)

[Redacted]

(1) (U//~~FOUO~~)

(2) (U//~~FOUO~~)

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

NSTISSI No. 3030

[Redacted]

(3) (U//~~FOUO~~)

[Redacted]

SECTION X - (U) DISPOSITION/DESTRUCTION

26. (U) Disposition

(U//~~FOUO~~) [Redacted]

[Redacted]

27. (U) Destruction

a. (U//~~FOUO~~) [Redacted]

[Redacted]

b. (U) STE equipment that is unserviceable and out of warranty will be disposed of in accordance with department and agency policy guidance.

c. (U//~~FOUO~~) [Redacted]

[Redacted]

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

NSTISSI No. 3030

SECTION XI - (U) COMSEC INCIDENTS/ADMINISTRATIVE INCIDENTS

28. (U//~~FOUO~~)

[Redacted]

a. (U) mismatch of keying material on the cards and key tags (keying information can be verified after STE association);

b. (U//~~FOUO~~)

[Redacted]

c. (U//~~FOUO~~)

d. (U) loss of a user card with its associated carry card; and/or

e. (U) loss of a user card with its associated STE.

29. (U) Loss of a User, Carry, or TPA Card

a. (U//~~FOUO~~)

[Redacted]

b. (U//~~FOUO~~)

[Redacted]

30. (U//~~FOUO~~)

[Redacted]

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

NSTISSI No. 3030

SECTION XII - (U) EXCEPTIONS

(b) (3) - 18 USC 798
(b) (3) - P.L. 86-36

31. **(U) Transportation Within U.S., Its Territories, and Possessions**

a. (U//~~FOUO~~)

[Redacted]

b. (U//~~FOUO~~)

[Large redacted area]

c. (U//~~FOUO~~)

[Redacted]

[Redacted]

(1) (U)

[Redacted]

(2) (U)

[Redacted]

(3) (U)

[Redacted]

(4) (U)

[Redacted]

(5) (U)

[Redacted]

[Redacted]

32. **(U) Transportation Outside U.S., Its Territories and Possessions**

a. (U//~~FOUO~~)

[Redacted]

b. (U//~~FOUO~~)

[Redacted]

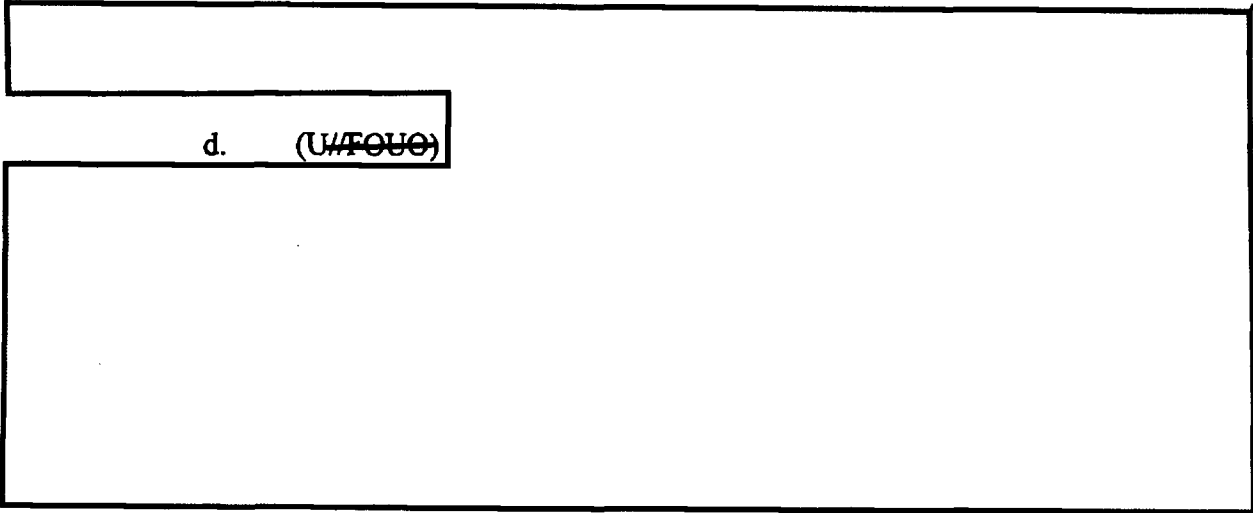
c. (U//~~FOUO~~)

[Redacted]

(b) (3) -18 USC 798
(b) (3) -P.L. 86-36

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

NSTISSI No. 3030



SECTION XIII - (U) INSTALLATION

33. (U) Residences

(U) A Type I STE terminal installed in the residence of a U.S. Government or U.S. Government contractor official should be used only by the person for whom it is installed. All of the security requirements should be observed for preventing unauthorized access to the keyed terminal and to classified and sensitive unclassified U.S. Government information. The KOV-14 card should be removed from the terminal following each use and kept in the personal possession of the user, or stored in a security container approved for the classification level of the terminal's key. When the terminal is used in data mode, classified information that is viewed on the screen should be removed as soon as possible, and should not be printed out unless there is appropriate classified storage.

3 Enclosures:

- ANNEX A - References
- ANNEX B - Definitions
- ANNEX C - List of Acronyms

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

ANNEX A

(U) REFERENCES

(U) The following documents are either referenced in this doctrine or are otherwise applicable for U.S. Government departments and agencies:

- a. (U) NTISSI No. 4002, Classification guide for COMSEC Information, dated 5 June 1986.
- b. (U) NSTISSI No. 4000, Communications Security Equipment Maintenance and Maintenance Training, dated January 1998.
- c. (U) NSTISSI No. 4003, Reporting and Evaluating COMSEC Incidents, dated 2 December 1991.
- d. (U) NTISSI No. 4004, Routine Destruction and Emergency Protection of COMSEC Material, dated 11 March 1997.
- e. (U) NSTISSI No. 4005, Safeguarding Communications Security (COMSEC) Facilities and Material, dated August 1997.
- f. (U) NSTISSI No. 4006, Controlling Authorities for COMSEC Material, dated 2 December 1991.
- g. (U) NSTISSI No. 4009, National INFOSEC Glossary, dated September 2000.

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

UNCLASSIFIED//FOR OFFICIAL USE ONLY

ANNEX B

(b) (3)-18 USC 798
(b) (3)-P.L. 86-36

(U) DEFINITIONS

(U) The following unique definitions apply to this document

(U) Access Control List (ACL) – ACL is a customized list of remote users who are allowed to establish a secure session with the terminal containing the ACL. This list can be composed exclusively of unique Key Material Identifiers (KMID) or generic Department Agency Organization (DAO) codes, or a mixture of both KMID and DAO codes.

(U) Association – This is the initial cryptographic binding process between a KOV-14 card and a STE where a component of the Crypto-Ignition Key (CIK) is transferred from the card to the STE.

(U//FOUO)

(U//FOUO)

(U//FOUO)

(U//FOUO)

(U) Maximum Security Level (MAXSL) – This feature prohibits a remote user from using a higher key classification than the set MAXSL to establish a secure session. Normally this is used to prevent a user from contaminating the system with higher classified information than the certified level of the system.

(U) Minimum Security Level (MINSL) – This feature prohibits a remote user from using a lower key classification than the set MINSL to establish a secure session. Normally this is used to prevent a user not meeting the minimum security level from accessing a higher classified information system.

(b) (3) -18 USC 798
(b) (3) -P.L. 86-36

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

(U) Secure Access Control System - This system comprises three independent features: ACL, MAXSL and MINSL.

(U) Terminal Privilege Authorities (TPA) - The individuals who are responsible for the configuration of the STE security features, and the upgrade of the terminal and card software.

(U) User Card - Any KOV-14 card that has an association with a STE is considered a user card for that STE. A user card can be associated with up to nine STEs.

(U//~~FOUO~~)

[Redacted]

(U//~~FOUO~~)

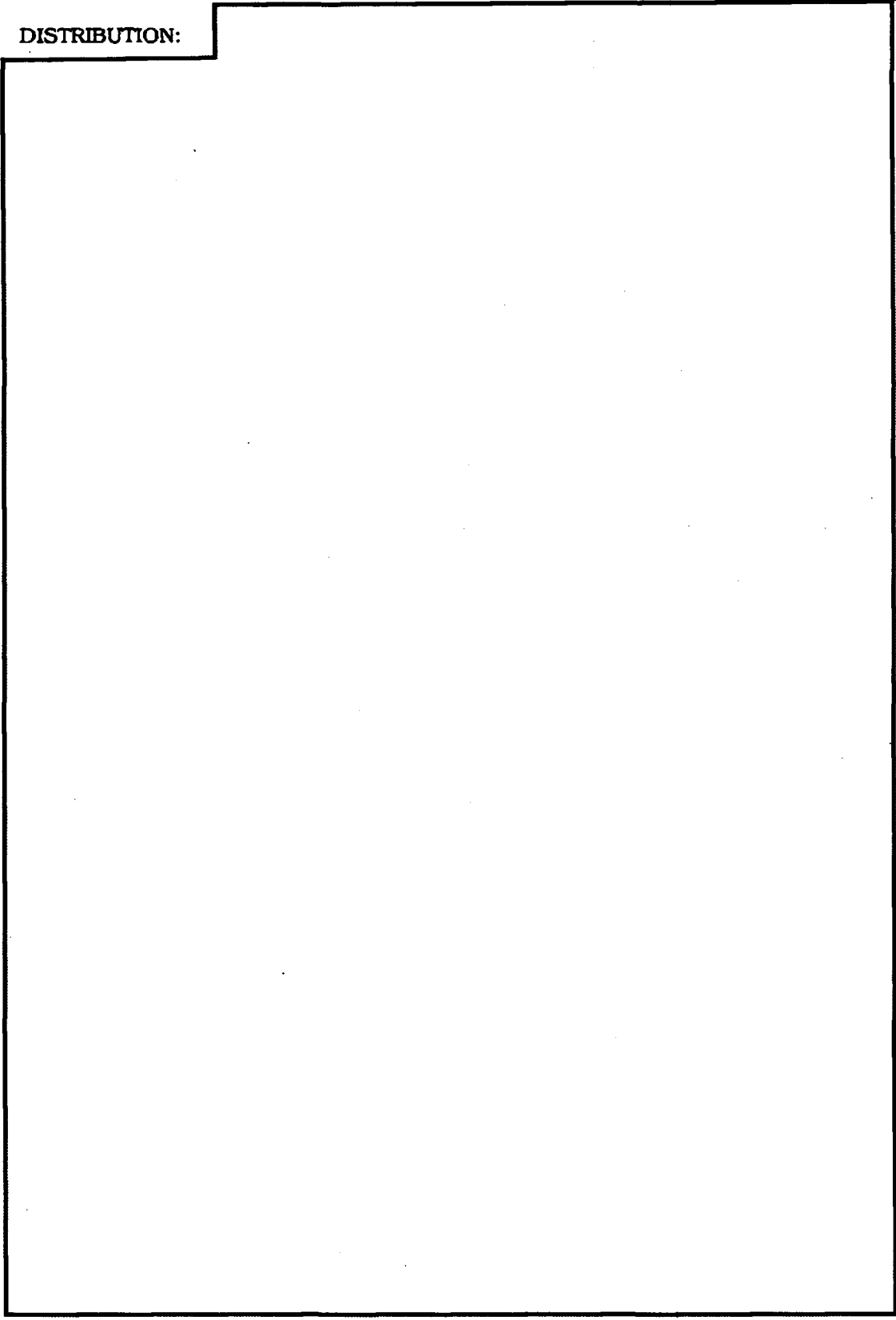
[Redacted]

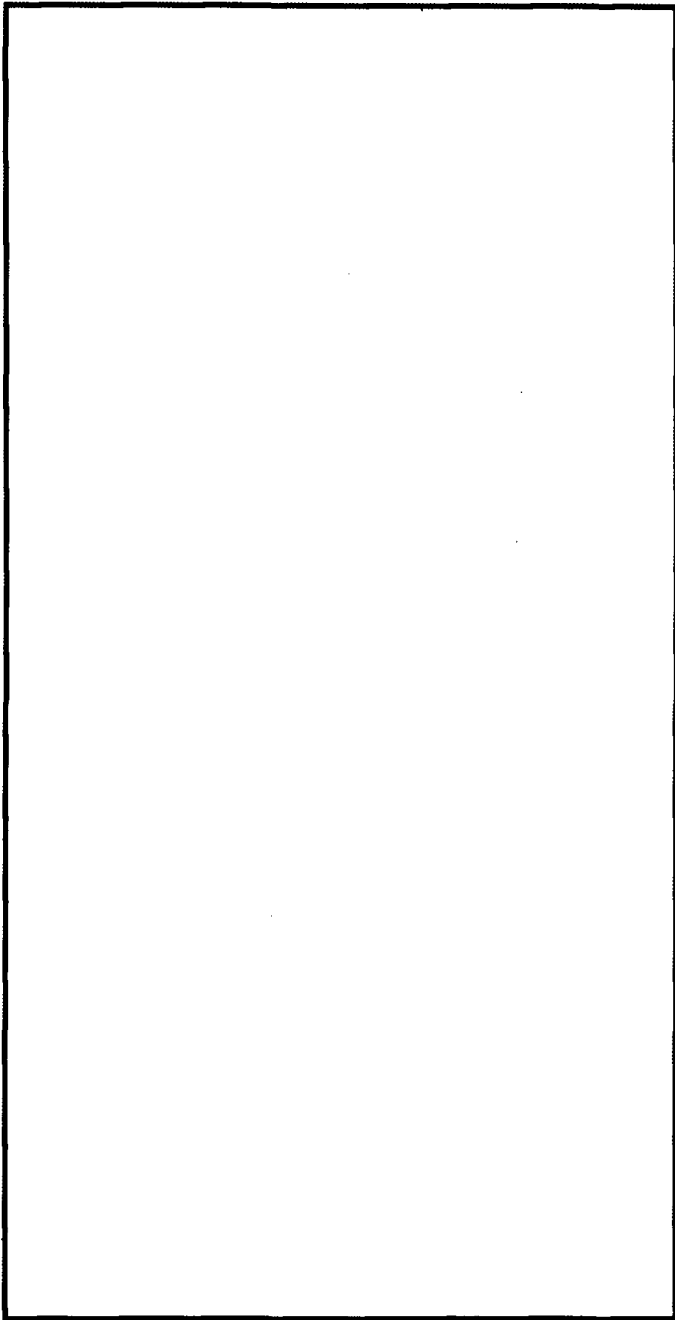
UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~**ANNEX C****(U) LIST OF ACRONYMS**

| | |
|---------|---|
| ACL | Access Control List(s) |
| CIK | Crypto-Ignition Key |
| CKL | Compromised Key List |
| CMCS | COMSEC Material Control System |
| COMSEC | Communication Security |
| COR | Central Office of Record |
| DIRNSA | Director of National Security Agency |
| EKMS CF | Electronic Key Management System Central Facility |
| FNBDT | Future Narrow Band Digital Transmission |
| INFOSEC | Information Systems Security |
| ISDN | Integrated Services Digital Network |
| KMID | Key Material Identifier |
| MAXSL | Maximum Security Level |
| MINSL | Minimum Security Level |
| MSS | Mobile Subscriber System |
| NISPOM | National Industrial Security Program Operating Manual |
| NSA | National Security Agency |
| NSTISSI | National Security Telecommunications and Information Systems Security Instruction |
| PSTN | Public Switched Telecommunications Network |
| SACS | Secure Access Control System |
| SCI | Sensitive Compartmented Information |
| SDNS | Secure Data Network System |
| STE | Secure Terminal Equipment |
| STU-III | Secure Telephone Unit Third Generation |
| TPA | Terminal Privilege Authority |
| TPI | Two-Person Integrity |
| TRI-TAC | Tri-Service Tactical Communications System |
| TS | TOP SECRET |

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

DISTRIBUTION:





(b) (3) - P.L. 86-36

~~Doc Ref ID: A3087245~~
~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~
