1 REMOTE SENSOR UNIT

STANDARD OPERATING PROCEDURES

FOR

INFRARED OPERATOR

AUTHORITY: OPSO 1RSU

AMENDMENT CERTIFICATE

Proposals for amendment to the *Infrared Operator Standard Operating Procedure* should be detailed in a SAR by clicking <u>here</u> or downloading the SAR form: *OBJ ID: Q433585*

Amendment		Effected	
No	Date	Chapters	Date
0	31 Oct 18	Document Created	31 Oct 18
1	21 May 21	All chapters reviewed and edited	21 May 21

CONTENTS

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)
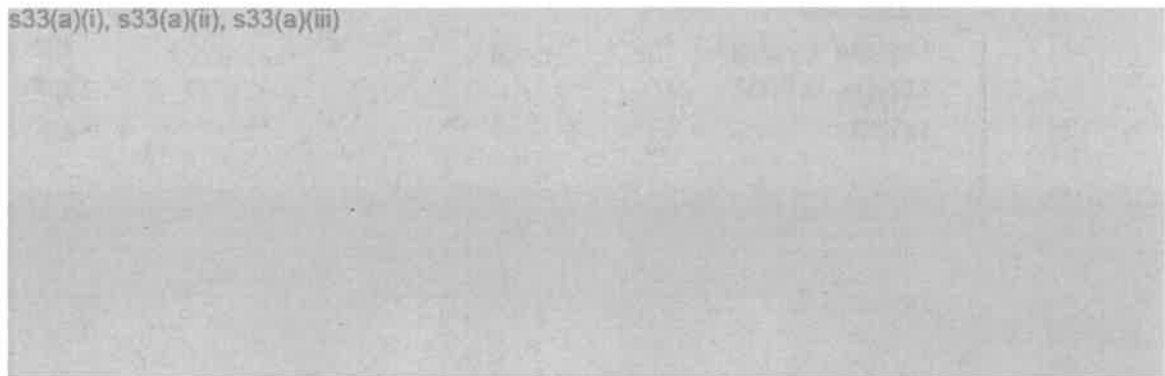
Defence FOI 425/21/22

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

INFRARED OPERATOR

INTRODUCTION

0.1   Whilst operating the AMP, the IROP is required to conduct operations; they are responsible to the Space Surveillance Supervisor (SSS) for all space related operations.

AIM

0.2   The aim of this SOP is to define operational procedures required to be employed whilst operating the IROP position.

AUTHORITY

0.3   All 1RSU SOPS are issued under the authority of STANEVALO 1RSU through 1RSU SI (OPS) 01-01 and is applicable to all ADF personnel associated with 1RSU. 1RSU SIs are enforceable under the Defence Force Disciplinary Act 1982.

SCOPE

0.4   The scope of this SOP applies to all personnel at 1RSU operating the IROP position.

CHAPTER 1

START OF OPERATIONS PROCEDURES

Workstation Set Up

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

b.   If system is frozen or no displays are loaded, inform the SSS and attempt to rectify the fault s33(a)(i), s33(a)(ii), s33(a)(iii)

1.2   If setting up the system for the first time, conduct live start up s33(a)(i), s33(a)(ii), s33(a)(iii)
s33(a)(i), s33(a)(ii), s33(a)(iii)

1.3   Ensure all boxes in the Start Live Window are connected by verifying all boxes are green. If status is 'red', inform the Space Surveillance Supervisor (SSS) and attempt to rectify the fault s33(a)(i), s33(a)(ii), s33(a)(iii)

1.4   Ensure all flights are in "lock" by verifying individual flight boxes are green and clock is updating.

1.5   Ensure audible alert (speaker) is on.

s33(a)(i), s33(a)(ii), s33(a)(iii)

1.7   Log on to the Defence Secret Network (DSN) and perform set up IAW <u>IRSU SOP (OPS) 01-03 DSN Setup Procedures.</u>

1.8   Verify current Period of Interest (POI) status; if active, conduct steps s33(a)(i), s33(a)(ii),
s33(a)(i), s33(a)(ii), s33(a)(iii)

Communications Set Up

1.9   At the start of operations, ensure communications s33(a)(i), s33(a)(ii), s33(a)(iii)
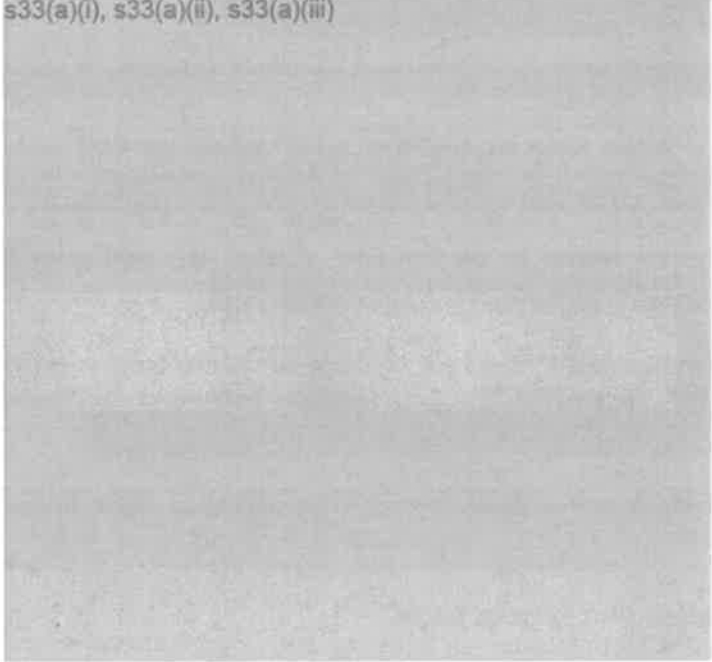s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)   are connected.

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

Mission Display Set Up

1.15   Mission Display should nominally pre-configure as per the settings below:

a.   adjacency on;

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

1.16   If Mission Display does not nominally pre-configure, conduct the following steps:

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

CHAPTER 2

EMERGENCY PROCEDURES

Workstation Procedures

2.1   In the event of an emergency, in which the crew is required to evacuate, the IROP is to conduct the following:

a.   lock screens via AMP3 'User' drop down, 'Lock Mission Display';

b.   turn off the AMP speakers;

c.   save all logs and lock DSN;

d.   cease and log off internal voice communications panel;

e.   Clear the workstation and secure any classified material as per the defence procedures to secure classified material.

Personnel responsibilities

2.2   Please refer to IRSU SI (PERS) 60-04 *IRSU Building Emergency Response Plan.*

CHAPTER 3

LOGGING PROCEDURES

Space & Fault Log

3.1   Throughout AMP operations the SS and IROP are responsible for filling out the Space Log & the Fault Reporting log. s33(a)(i), s33(a)(ii), s33(a)(iii) s33(a)(i), s33(a)(ii), s33(a)(iii)

3.2   The IROP will fill out the Space Log for the following reasons:

a.   the release of an event on AMP; AMP LOG tab

b.   when a POI is received; POI tab

c.   end of day report; TEMPLATES tab.

3.3   The SS will fill out the Space Fault Reporting Log for the following reasons:

a.   when a fault occurs; FAULT LOG tab

b.   specific system details; AMP OPSCAP or C BAND OPSCAP tab.

3.4   **Logging an Event.** Once the reporting requirements for a released event are complete, the IROP is to conduct the following procedures to log the event:

a.   on the Space Log excel spreadsheet, open the AMP LOG tab .

b.   Click the New Event button at the top of the spreadsheet; doing this will create a new entry line

c.   Start from the left of the spreadsheet and fill out all the details; EVENT TYPE, TASK # and STATUS are all drop down select options

d.   For the Status drop down option "Import to EODR" is automatically selected. Further to this there is the option of 'NOT RELEASED' if the event was only detected in playback.

3.5   **Logging a POI.** Once a POI has been received through Microsoft Outlook the IROP is required to log the event into the POI tab of the Space Log. Conduct the following procedures:

a.   on the Space Log excel spreadsheet open the POI tab

b.   click the New POI button at the top of the spreadsheet, doing this will create a new line

c.   start from the left of the new line and fill in the details of the POI, leaving the 'SEEN' column blank until the event occurs or the end of the POI, these details are found in the POI Email.

3.6   **EODR.** At the end of operations the SS is required to send the space EODR to the 1RSU Watchkeeper account via email.
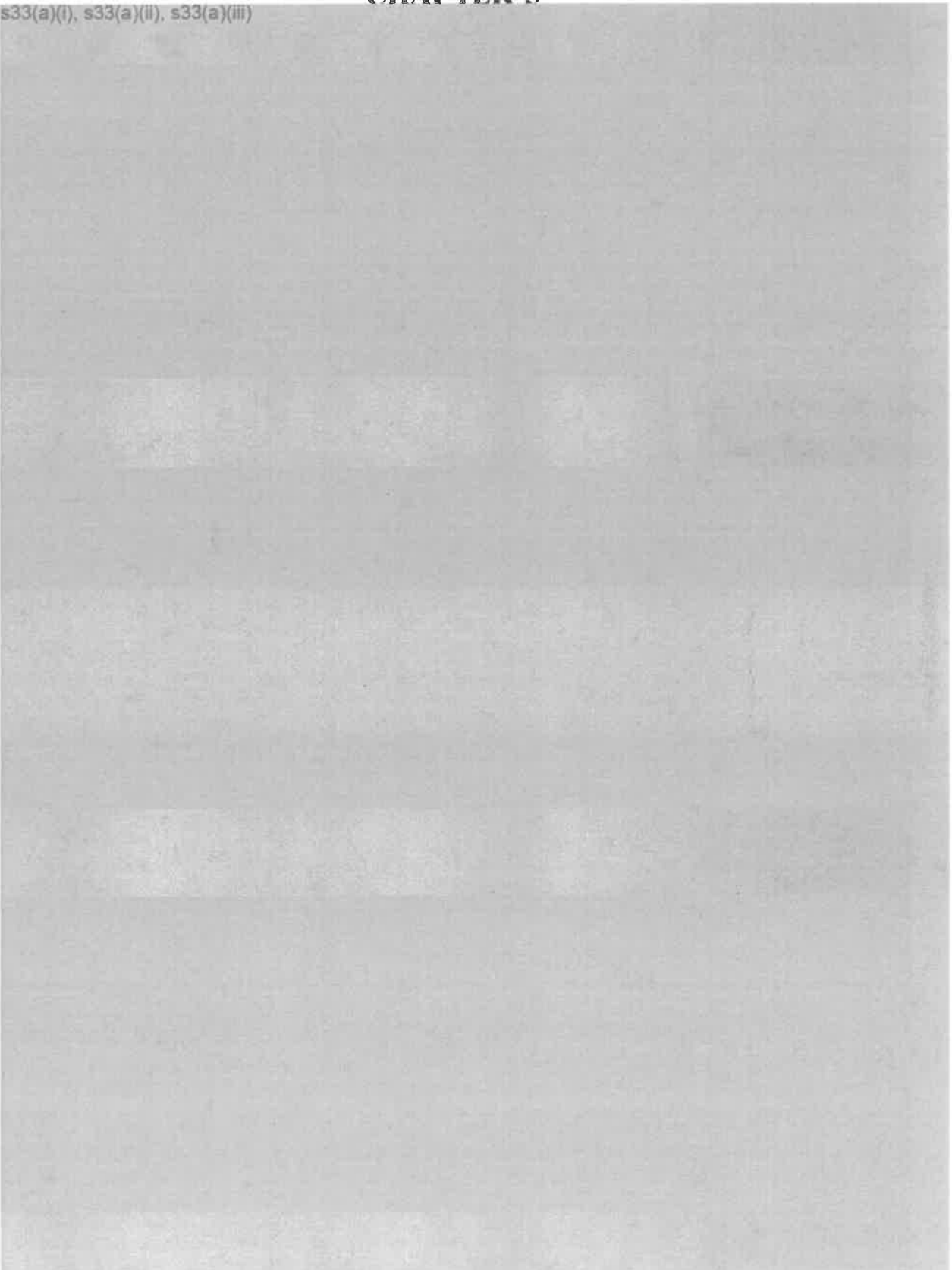
CHAPTER 4

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)
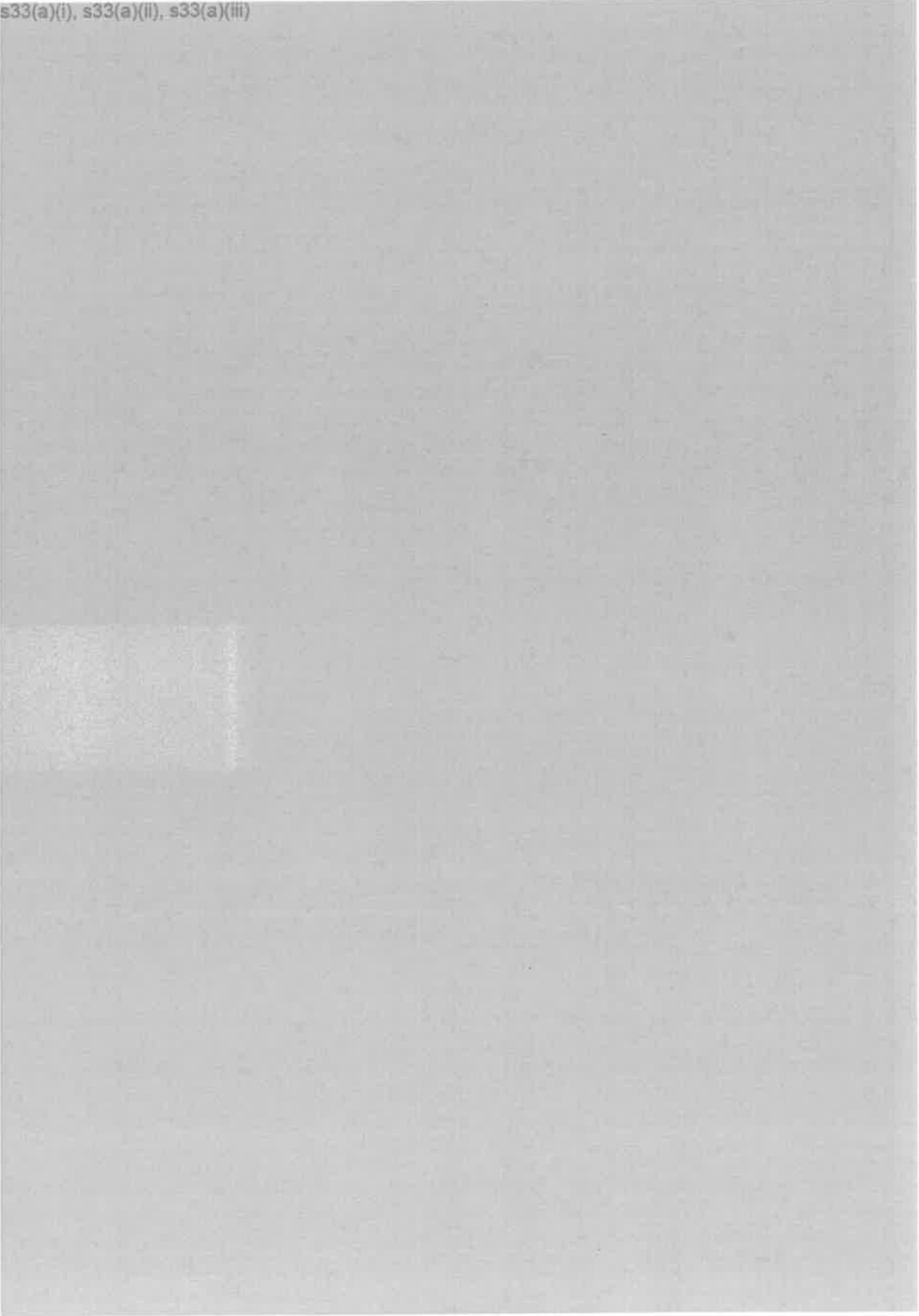
CHAPTER 5

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

CHAPTER 6

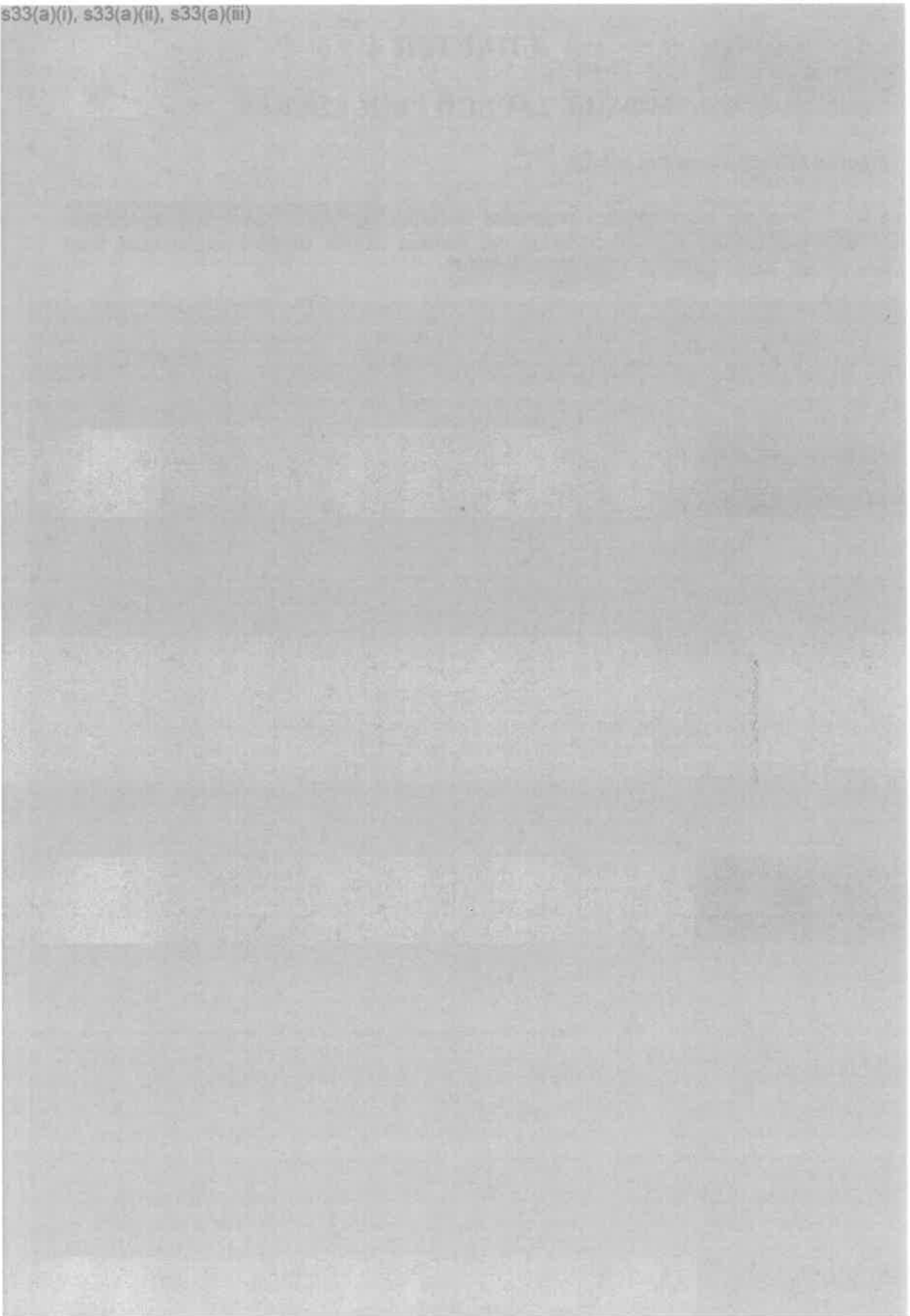## MISSILE LAUNCH PROCEDURES

Process Missile Event Procedures

6.1   A missile event includes projectiles including s33(a)(i), s33(a)(ii), s33(a)(iii) s33(a)(i), s33(a)(ii), s33(a)(iii) Intercontinental Ballistic Missile (ICBM) and launches from non-ground based platforms s33(a)(i), s33(a)(ii), 33( )(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)
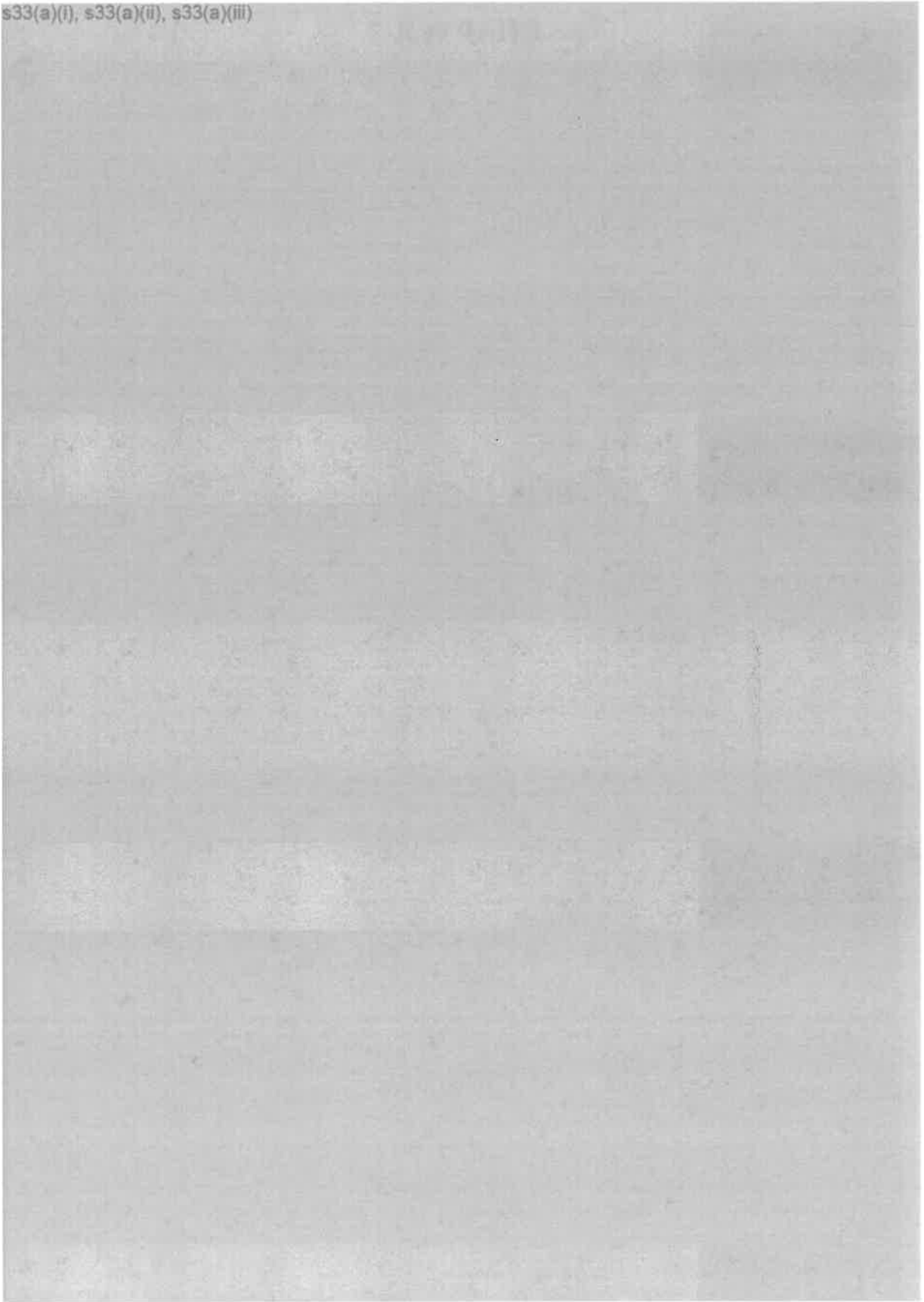
CHAPTER 7

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

CHAPTER 8

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

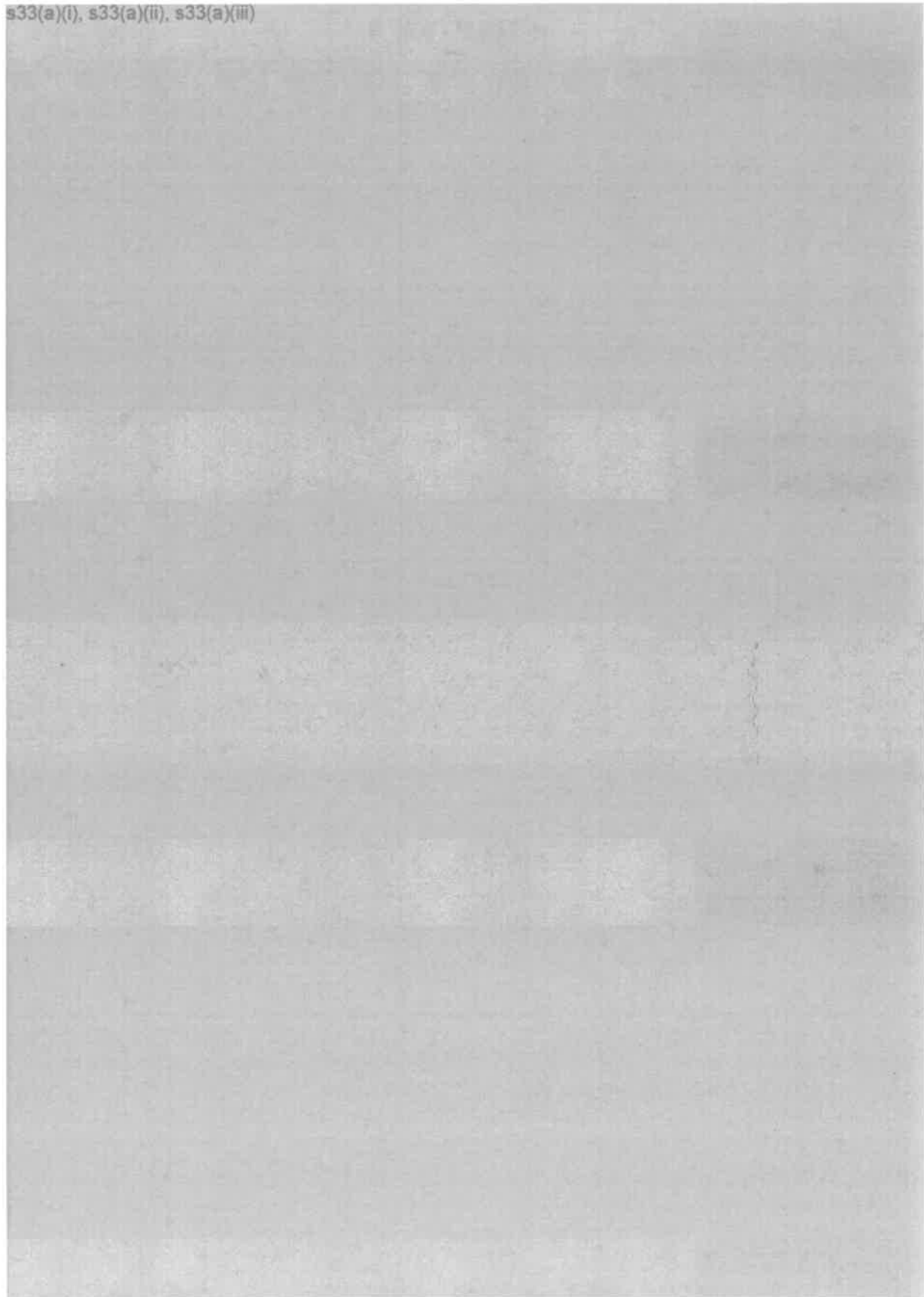# CHAPTER 9

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)
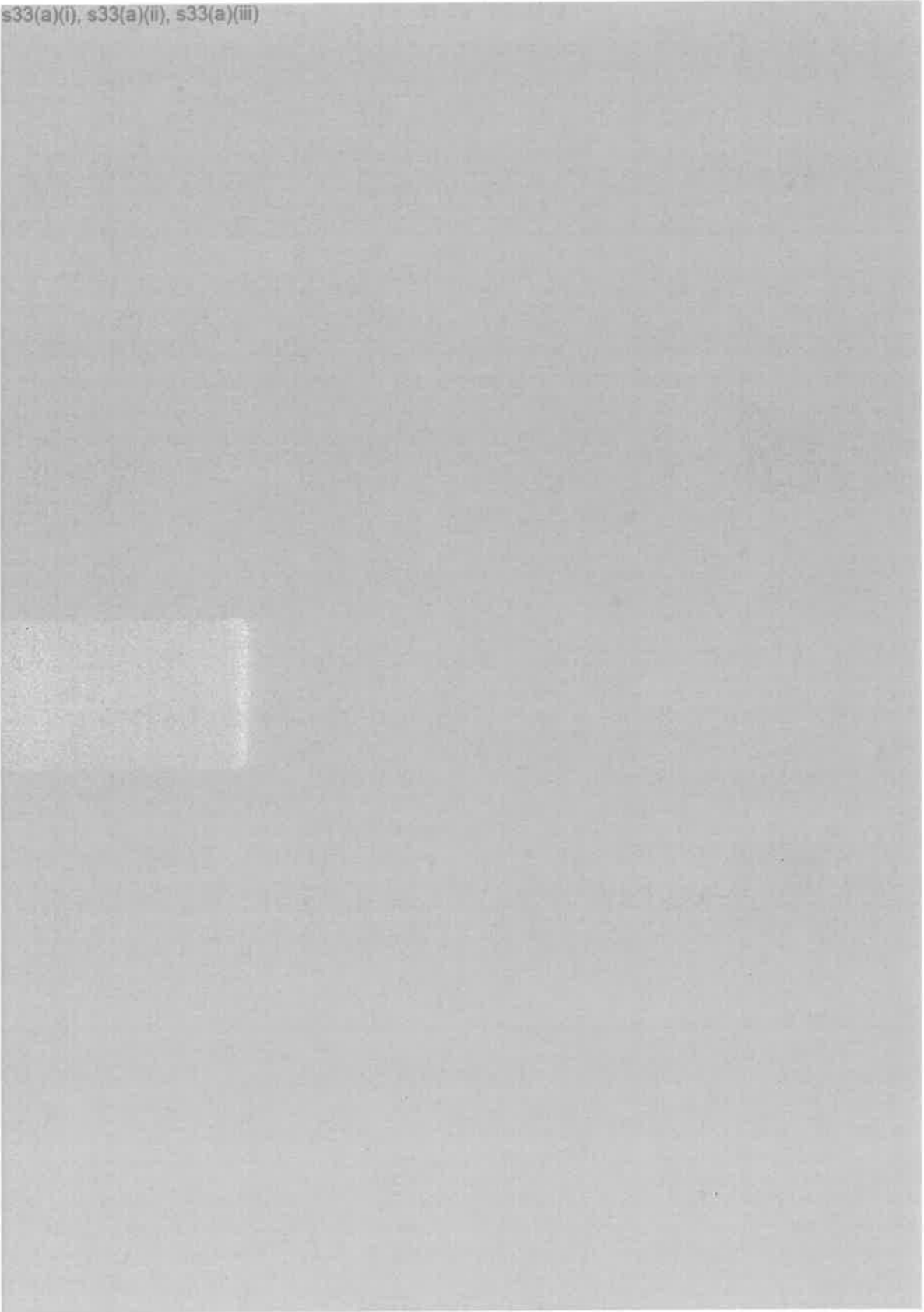
s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

CHAPTER 10

s33(a)(i), s33(a)(ii), s33(a)(iii)
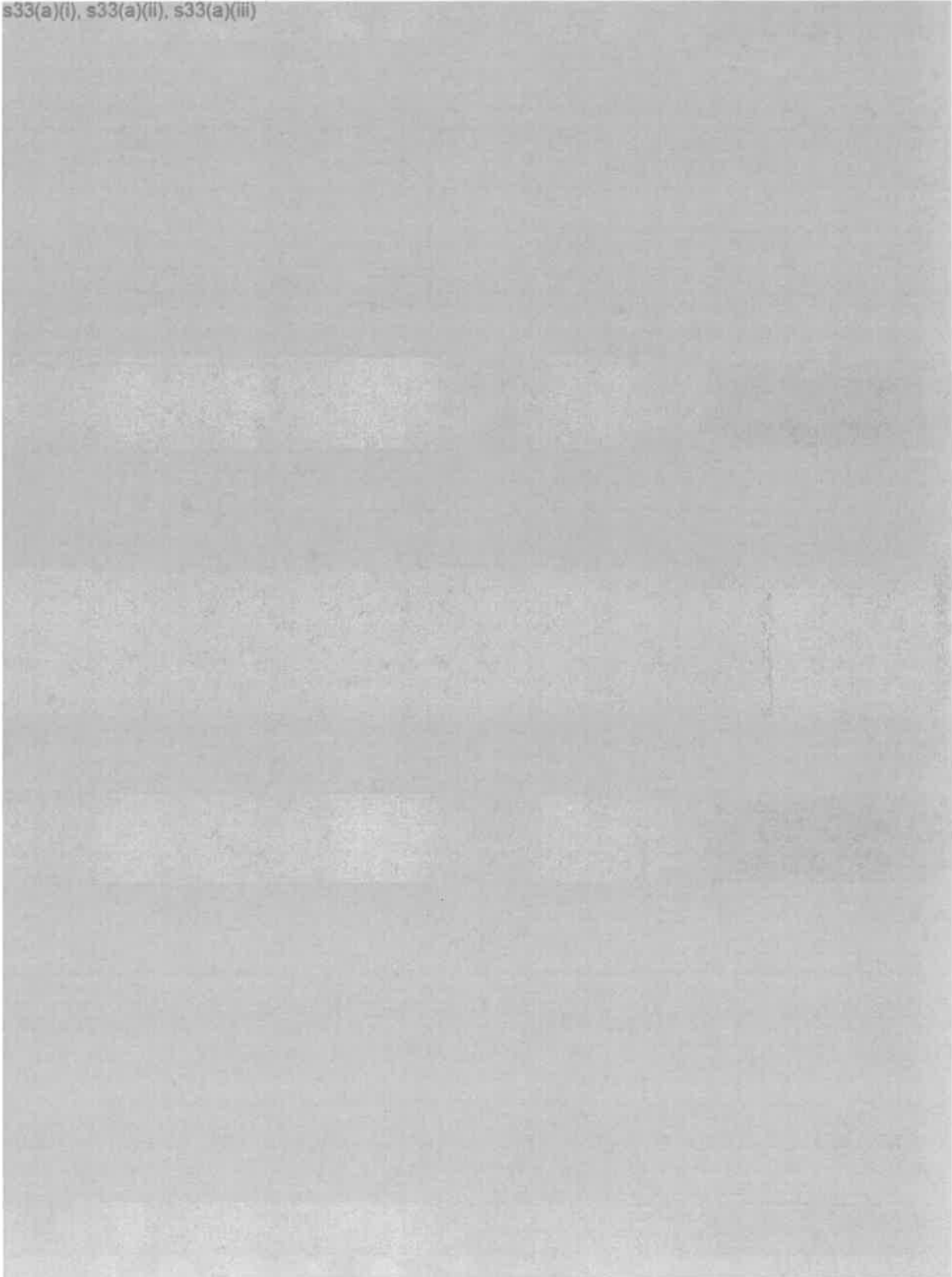
s33(a)(i), s33(a)(ii), s33(a)(iii)

CHAPTER 11

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

CHAPTER 12

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

CHAPTER 13

s33(a)(i), s33(a)(ii), s33(a)(iii)

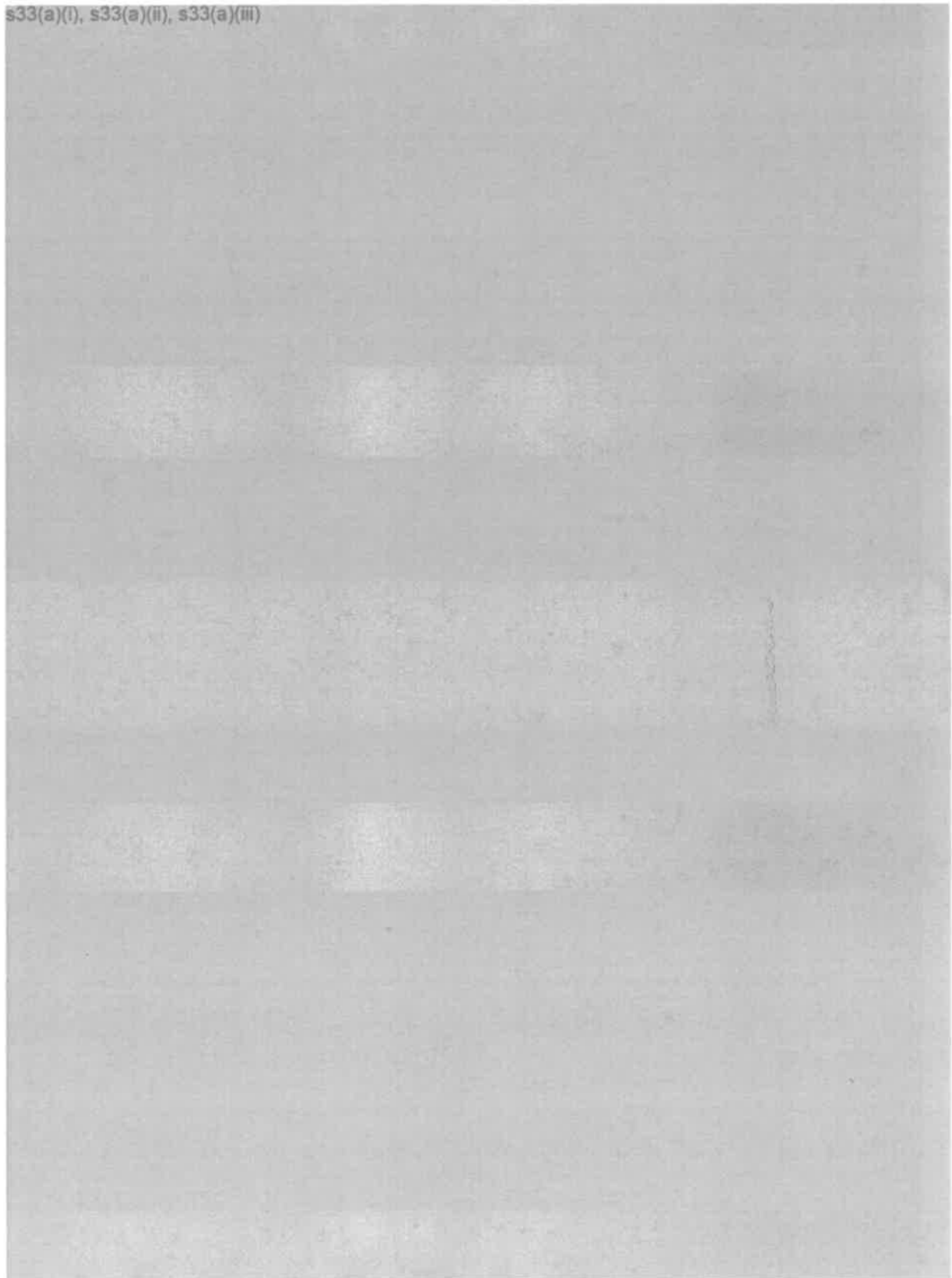s33(a)(i), s33(a)(ii), s33(a)(iii)

CHAPTER 14

s33(a)(i), s33(a)(ii), s33(a)(iii)
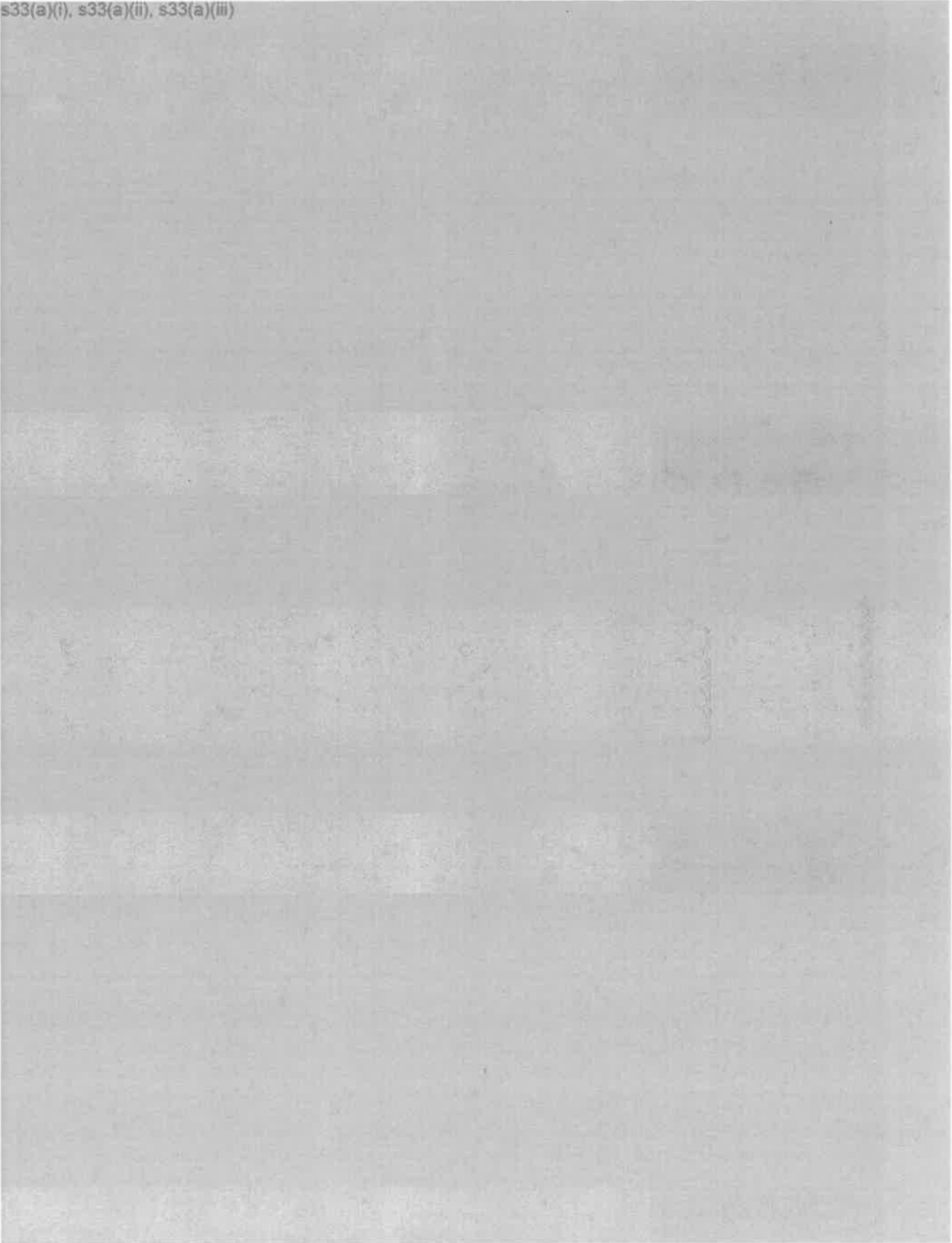
s33(a)(i), s33(a)(ii), s33(a)(iii)
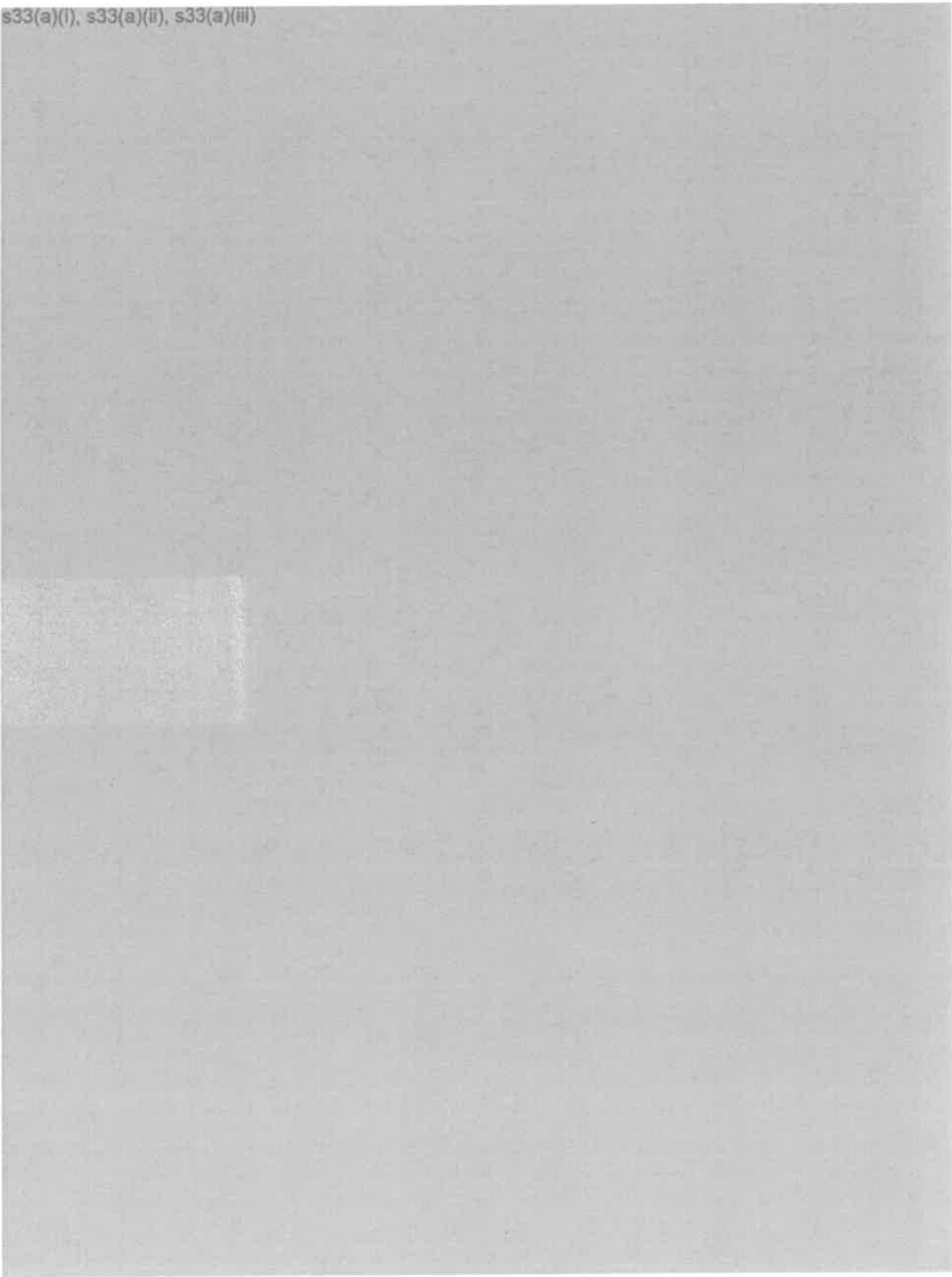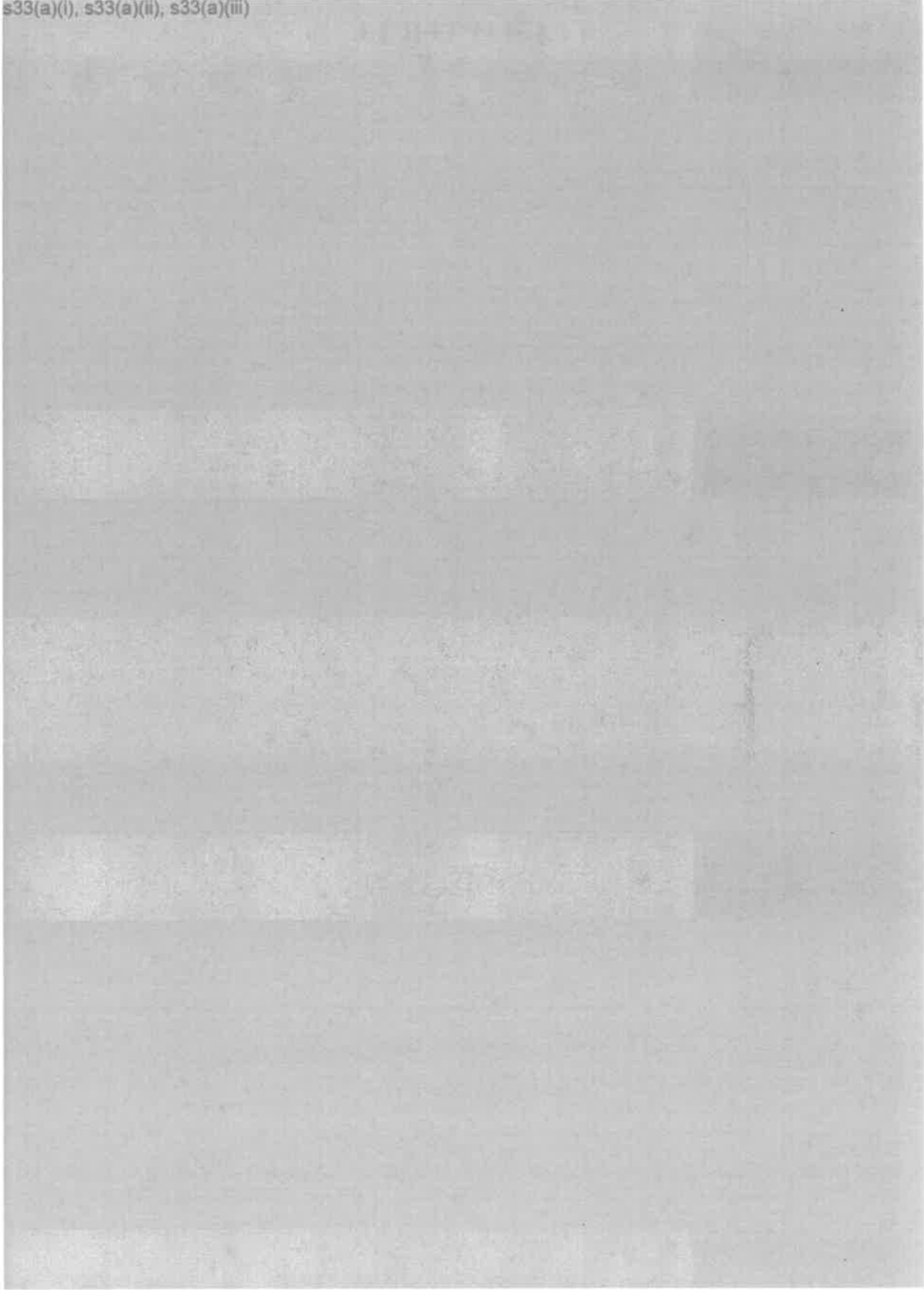
s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)

CHAPTER 15

FAULT RECTIFYING PROCEDURES

Fault Rectifying Procedures

15.1   IROP is to inform the SS of the fault within 2 minutes and ensure they are aware of the following troubleshooting procedures. s33(a)(i), s33(a)(ii), s33(a)(iii)
s33(a)(i), s33(a)(ii), s33(a)(iii)

15.2   Within the live start up AMP Graphical User Interface (GUI) the IROP is to conduct the following troubleshooting procedures:

a.   select 'Stop Display' under client and wait for the mission to stop

b.   select 'Start Display' under client and wait for the data to start.

s33(a)(i), s33(a)(ii), s33(a)(iii)

15.4   If either box does not turn green, confirm the fault is not workstation specific by running live data on a spare workstation.

15.5   If the spare workstation is showing all green, commence operations on the all green workstation and continue operations and troubleshooting concurrently.

s33(a)(i), s33(a)(ii), s33(a)(iii)

CHAPTER 16

HANDOVER PROCEDURES

Performing an Operational Handover

16.1   The IROP is required to pass on the following information in an operational handover to the oncoming IROP:

a.   any ongoing POIs;

b.   any upcoming POIs;

c.   faults and/or any upcoming outages;

s33(a)(i), s33(a)(ii), s33(a)(iii)

e.   communications status;

d.   other significant information.

16.2   The oncoming operator is to use their individual login. If an operator does not have an individual login they are to inform the Space Supervisor (SS). s33(a)(i), s33(a)(ii), s33(a)(iii) s33(a)(i), s33(a)(ii), s33(a)(iii)

CHAPTER 17

END OF OPERATIONS PROCEDURES

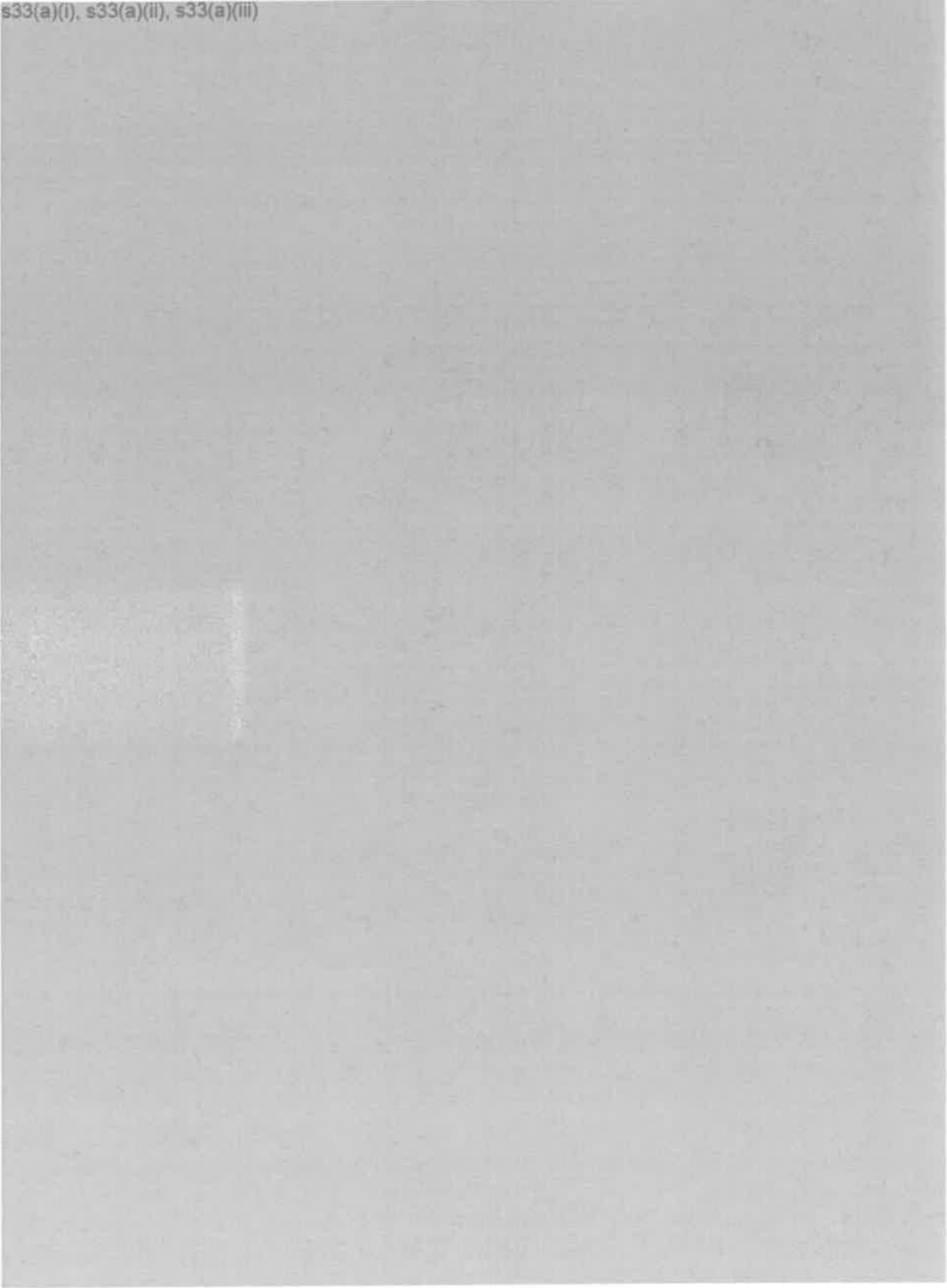**End of Operations Procedures**

17.1   The IROP is to conduct the following procedures prior to the cessation of operations:

a.   cease all communications using the Communications Toolbox window by completing the following:

    (1)   click 'Kill';

    (2)   click 'Kill all comms';

    (3)   click 'Clear all dead comms'.

b.   clear the event queue;

c.   clear the operator warning queue;

d.   lock workstation screen; on user bar by selecting lock mission display;

e.   turn off the speakers;

f.   log off DSN and DRN;

g.   log off voice communications;

h.   clear workstation and secure any classified material IAW Defence Security Manual Part 2:30.

CHAPTER 18

s33(a)(i), s33(a)(ii), s33(a)(iii)

s33(a)(i), s33(a)(ii), s33(a)(iii)