

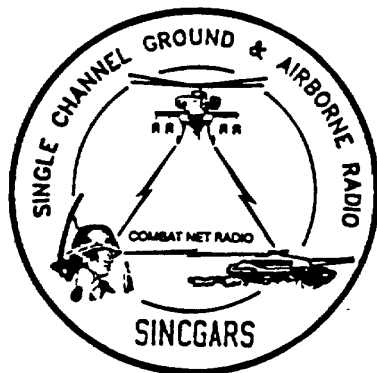
SINGGARS ICOM GROUND RADIOS

Used with
Automated Net Control Device (ANCD);
Precision Lightweight GPS Receiver (PLGR);
Handheld Remote Control Radio Device (HRCRD)

**OPERATOR'S
POCKET GUIDE**

RADIO SETS

MANPACK RADIO
(AN/PRC-119A/D/F)
(NSN: N/A) (EIC: N/A)
VEHICULAR RADIOS
(AN/VRC-87A/D/F THRU
AN/VRC-92A/D/F)
(NSN: N/A) (EIC: N/A)



Approved for public release; distribution is unlimited.

Headquarters, Department of the Army

1 December 1998

TABLE OF CONTENTS

<u>SUBJECT</u>	<u>PAGE</u>
SECTION I: INTRODUCTION	
Purpose.....	1
Scope.....	1
Designations	1
Auxiliary Items	1
References	2
Abbreviations	2
SECTION II: GRAPHICS	
RT-1523/A/B Keypads	3
RT-1523C/D Keypads	4
RT-1523E Keypad.....	5
RT-1523E Front Panel.....	6
ANCD Front View	7
ANCD Keypad.....	7
PLGR.....	8
SECTION III: PRIMARY OPERATOR/PREPARATION TASKS	
RT-1523E (ASIP) Preparation	
1. Select RT Preparation Settings from MENU	9
Summary of Primary Operator Tasks	10
1. Load SC Frequencies into SINCGARS RT	11
2. Load COMSEC/FH Data/Sync Time Using ANCD.....	12
3. Perform Hot Start Net Opening.....	13
4. Perform Passive Late Net Entry.....	13
5. Obtain SOI Information From ANCD.....	14

* Supersedes TM 11-5820-890-10-6, dated 1 January 1998

SECTION IV: SPECIAL OPERATOR TASKS

<u>SUBJECT</u>	<u>PAGE</u>
Summary of Special Operator Tasks	19
1. Transfer COMSEC/FH Data/Sync Time from ANCD to ANCD	21
2. Transfer Full or QREF SOI from ANCD to ANCD	22
3. Perform Cold Start Net Opening	25
4. Receive Net Update ERF from NCS	26
5. Perform CUE and ERF Late Net Entry	27
6. Conduct RXMT Operations	28
7. Send an ERF as Part of RXMT Operation	30
8. Change Net ID	31
9. Use SIP/ASIP RT as an RCU	32
10. Use SIP/ASIP RT to Send Data Via RS-232 Mode	33

SECTION V: PLGR TASKS

1. Obtain Date and GPS Zulu Time from PLGR	34
2. Manually Load PLGR Date and Zulu Time Into ANCD	35
3. Load PLGR Date and Zulu Time Into RT	37
4. Load Key Into PLGR from ANCD	39

SECTION VI: HRCRD OPERATIONS

General	41
Radio Control	41
Volume	41
Back Lights	41
Cabling	41
RT Keypad	41
Vehicular Use	42

SECTION VII: PMCS

1. SINCGARS RADIOS	43
2. HRCRD	47

SECTION I. INTRODUCTION

PURPOSE: To provide operators of SINCGARS manpack and vehicular RT's including SIP/ASIP version radios with quick reference memory joggers to assist in task performance during training and operations. The primary goal is to prevent radio operators from having to memorize any tasks, steps, or other procedures. Through reference to this pocket guide, the properly trained SIP operator should be able to perform, without assistance, all primary operator tasks, and those special tasks for which especially trained.

SCOPE: This pocket guide covers the five primary operator tasks and ten special tasks. Tasks are presented in flowchart format, with minimum essential explanation. In addition to normal SINCGARS tasks, SIP/ASIP specific, Special Operator's 9-10 tasks, this guide includes essential graphics, SINCGARS PMCS, Handheld Remote Control Radio Device (HRCRD) operations, and selected tasks pertaining to the Precision Lightweight GPS Receiver (PLGR). Operators are to refer to the SINCGARS Operator's Manual, TM 11-5820-890-10-8, and other appropriate TM's, when additional information is needed.

DESIGNATIONS: SIP radio configurations carry a "D" designation. Unit authorized SIP radio configurations will receive only SIP components: RT-1 523C/D and AM-7239C/D. ASIP radio configurations carry a "F" designation. Unit authorized ASIP radio configurations will receive only ASIP components RT-1523E and AM-7239E. Other SINCGARS radios will carry a "A" designation.

AUXILIARY ITEMS The Automated Net Control Device (ANCD) and ITEMS: PLGR are considered to be authorized and employed in conjunction with SINCGARS.