

FM 11-1
 MCRP 6-2.2.2
 NDC TACMEMO 3-13.1
 ACCPAM 33-154
 USAFEPAM 33-154
 PACAFPAM 33-154

FM 11-1	US Army Training and Doctrine Command Fort Monroe, Virginia
MCRP 6-2.2.2	Marine Corps Combat Development Command Quantico, Virginia
NDC TACMEMO 3-13.1	Naval Doctrine Command Norfolk, Virginia
ACCPAM 33-154	Air Combat Command Langley Air Force Base, Virginia
PACAFPAM 33-154	Pacific Air Forces Hickam Air Force Base, Hawaii
USAFEPAM 33-154	US Air Forces in Europe Ramstein Air Base, Germany

29 May 1996

TALK II - SINCGARS
Multiservice Communications Procedures
for the
Single-channel Ground and Airborne Radio System

TABLE OF CONTENTS

	Page
EXECUTIVE SUMMARY	vii
CHAPTER I EQUIPMENT AND OPERATIONS	
Background	I-1
Section A SINCGARS Radios	
Capabilities	I-1
Common Characteristics	I-1
Service SINCGARS Radio Variants	I-1
Modes of Operation	I-3

Section B	SINGARS Radio Operations	
	FH Net Operations	I-4
	Loadset Distribution (FH and COMSEC Data)	I-4
	Net Opening	I-5
	FH Sync Time Management	I-5
	Late Net Entry	I-5
	FH Mixed Net Operation	I-6
Section C	Support Equipment	
	Army Equipment	I-6
	Air Force Equipment	I-9
	Navy Equipment	I-11
	Marine Corps Equipment	I-14
CHAPTER II	MULTISERVICE OPERATIONAL PROCEDURES	
	Background	II-1
Section A	Responsibilities	
	Joint Chiefs of Staff (JCS)	II-1
	Joint Force Commander (JFC)	II-1
	J-6	II-1
Section B	Planning	
	General	II-2
	Equipment	II-4
	SINGARS Loadset Data	II-4
Section C	SINGARS Data Distribution	
	General	II-8
	Physical Distribution	II-8
	Electronic Distribution	II-8
	Distribution within the JTF	II-8
	Distribution within Services/Components	II-10
APPENDIX A	SERVICE-UNIQUE SINGARS CHARACTERISTICS AND SUPPORT EQUIPMENT	A-1
APPENDIX B	COMPARISON OF ICOM AND NON-ICOM RADIOS	B-1
APPENDIX C	SAMPLE CEOI/SOI (RBECS PRINTOUT)	C-1
REFERENCES		References-1
GLOSSARY		Glossary-1
INDEX		Index-1

FIGURES

I-1.	ACMES Phase-I Functional Elements	I-7
I-2.	ACMES Phase-II Functional Elements	I-8
I-3.	AFKDMS Functional Elements	I-10
I-4.	AFEKMS Functional Components	I-12
I-5.	Basic RBECS System	I-13
I-6.	NKMS Functional Components	I-15
II-1.	Two-Way Planning Process	II-3
II-2.	Echelons Capable of Generating FH Data	II-5
II-3.	Tasks by Echelons in Joint Operations	II-9
II-4.	Loadset Data Distribution within Army Echelons	II-11
II-5.	Army CONOPS	II-12
II-6.	Loadset Data Distribution in Air Force Units	II-13
II-7.	Navy CONOPS	II-17
II-8.	Loadset Data Distribution within Marine Units	II-18

TABLES

I-1.	Service SINCGARS Radio Configurations	I-2
II-1.	COMSEC/FH Data Distribution within a Corps/Theater	II-7
II-2.	Summary of Transfer Methods	II-8
A-1.	Army	A-1
A-2.	Air Force	A-3
A-3.	Navy	A-4
A-4.	Marine Corps	A-7
B-1.	Common Fill Devices Used with SINCGARS	B-1
B-2.	SINCGARS Keyboard/Functional Control Switches	B-2
B-3.	SINCGARS Mode Switches	B-3
B-4.	SINCGARS Channel Switches	B-3
B-5.	SINCGARS RF Power Switches	B-4
B-6.	Voice Transmission Maximum Planning Ranges	B-4
B-7.	Data Transmission Maximum Planning Ranges	B-4
B-8.	Improved Frequency Modulation (IFM) RF Power	B-5
B-9.	COMSEC Switch	B-5
B-10.	SINCGARS Keyboards	B-6
B-11.	SINCGARS Data Switch	B-7