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HEADQUARTERS
DEPARTMENT OF THE ARMY
OFFICE OF THE ADJUTANT GENERAL
WASHINGTON 25, D. C.

IN REPLY REFER TO
AGAM-P (M) 381 (31 Dec 62) SIGSD-8a

8 January 1963

SUBJECT: Signal Communication Plan 2-62 (Short Title: SIGCOMP 2-62) (U)

TO: Deputy Chiefs of Staff
Comptroller of the Army
Chief Signal Officer
Commanding Generals
US Continental Army Command
US Army Materiel Command
US Army, Caribbean
Commanding Officers
US Army Strategic Communications Command
US Army Caribbean Signal Agency

***ARMY Declass/Release
Instructions On File***

1. (S) Reference is made to:

a. Letter, AGAM-P (M) 381 (3 Jul 62) SIGAC-5a, Headquarters, Department of the Army, 13 July 1962, subject: "Signal Communication Plan 1-62 (Short Title: SIGCOMP 1-62) (U)."

b. DCA letter 4600/530/ece, 30 October 1962, subject: "Installation of Military Communications Equipment in South America (S)," (NOTAL).

c. DCA letter, 4600/600 of 9 November 1962, subject: "Installation of Military Communications Equipment to Meet CINCARIB Requirements (S)," (NOTAL).

2. (S) The inclosed plan for establishment of military communication facilities to meet CINCARIB requirements after bilateral communication agreements have been concluded is forwarded for information and necessary action.

By Order of the Secretary of the Army:

J. C. LAMBERT
Major General, USA
The Adjutant General

1 Incl
Signal Communication
Plan 2-62 w/4 incl

Copies furnished:

Assistant Secretary of Defense (I&L)
Assistant Secretary of Defense (ISA)
Assistant Secretary of Defense (Comptroller)

(Continued on page 2)

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Copies furnished: (cont)

Assistant Secretary of Defense (Manpower)
Secretary of State
Director, Defense Communications Agency
Chairman, Joint Chiefs of Staff
Chief of Naval Operations
Chief of Staff, US Air Force
Director, Joint Communications Electronics J-6
Deputy Under Secretary of the Army (IA)
Assistant Secretary of the Army (I&L)
Assistant Chief of Staff for Intelligence
Chief of Engineers
Chief of Transportation
Commanders in Chief
 Pacific Command
 Atlantic
 Caribbean Command
 US STRIKE Command
Commanders.
 Caribbean Air Command
 US Military Groups
 Venezuela
 Nicaragua
 Colombia
 Costa Rica
 Honduras
 Ecuador
Directors
 Central Intelligence Agency
 Naval Communications
 Telecommunications, USAF
Commandant
 15th Naval District
Chief
 US Army Security Agency

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DRAFT

1. (S) GENERAL

a. By memorandum to the Assistant Secretary of the Army (Installations and Logistics), dated 30 October 1962, the Director, Defense Communications Agency (DCA), in his capacity as the Defense Representative on the National Security Council Subcommittee on Communications, directed the Army to take appropriate action to implement the installation of United States military communications equipment to meet CINCARIB requirements in eight priority countries as soon as the State Department completes negotiations needed to permit operation of such equipment. The eight priority countries are:

IN Bolivia Ecuador *- NO APPROVAL REC'D. - AMB AGAINST*

IN Guatemala Honduras

Colombia Nicaragua

Costa Rica Venezuela *NO CAN DO*

b. The first two priority countries, Bolivia and Guatemala, constitute Phase I of DCA System Plan to Fulfill CINCARIB's Communications Requirements. SIGCOMP 1-62 covers Phase I whereas SIGCOMP 2-62 addresses itself to the next six countries which correspond to Phase II of the DCA System Plan. Subsequent plans will cover Phases III (seven additional countries) and IV (lateral circuitry).

c. On 9 November 1962, the Director, DCA, in his capacity as the Defense Representative on the National Security Council Subcommittee on Communications, requested the Secretary of the Army to install, operate, and maintain fixed military communications from CINCARIB, Canal Zone to Caracas, Venezuela; Managua, Nicaragua; San Jose, Costa Rica; Bogota, Colombia; Quito, Ecuador; and Tegucigalpa, Honduras. The terminal facility at Caracas will be transportable equipment (AN/
out
TSC-20 or equivalent).

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2. (C) ASSUMPTION

- a. Department of State will obtain the necessary communication agreements with countries concerned to permit operation of US military communication facilities in support of this plan.
- b. These communication agreements will be consummated at an early date.
- c. Appropriate radio frequencies will be available.
- d. Local transportation (fork lift, cargo vehicles, etc.) to receive and move communications equipment and personnel will be available at the Canal Zone, Venezuela, Nicaragua, Costa Rica, Colombia, Ecuador and Honduras.
- e. Necessary building space in the U.S. Embassy and in the U.S. Military Group of each country concerned will be available.
- f. Requisite funds, manpower spaces and personnel will be made available.
- g. Site surveys are to be completed by 31 January 1963 for two countries and by 31 March 1963 for remainder.

3. (C) GUIDING PRINCIPLES

- a. Rapid, reliable, secure communication facilities will be provided between Headquarters, CARIBCOM and US Agencies and other activities as directed, in six Latin American countries.
- b. A single U.S. agency will operate and maintain the classified communication terminal, wherever feasible, to meet CINCARIB long-haul point-to-point requirements.
- c. Installation of communication facilities planned herein will constitute implementation of Phase II, DCA System Plan for Fulfilling CINCARIB's Requirements. Phase I requirements were covered in SIGCOMP 1-62.

4. (S) OPERATIONAL CONCEPT

- a. Long haul, point-to-point HF SSB radio circuits will be established

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^{No}
from the Canal Zone to: Caracas, Venezuela; Managua, Nicaragua; San Jose, Costa Rica; Bogota, Colombia; Quito, Ecuador; and Tegucigalpa, Honduras.

Although not a responsibility of the U.S. Army, air/ground communications are to be installed by the U.S. Air Force at Quito and Tegucigalpa in Phase II and at La Paz, Bolivia and Guatemala City, Guatemala of Phase I. These Army and Air Force installations are to be collocated wherever possible.

b. To assure immediate responsiveness in meeting CINCARIB requirements, Phase II communication facilities will be established as follows:

(1) Engineering team consisting of representatives from the U.S. Army Strategic Communications Command and the Caribbean Command will make a detailed on-site engineering survey prior to arrival of communication equipment and personnel. This engineering team will arrive on site within 24 hours after Department of State "GO" is received. Selection of exact locations for facilities, arrangements for contract and logistic support required, and submission of detailed bill of materials for special items are tasks to be accomplished by this team within approximately 4 days.

(2) After the engineering team has completed its on-site engineering survey, a temporary installation, if required, will be deployed. This temporary installation may consist of AN/GRC-26 or suitable van or shelter equipment with necessary support vehicles and military personnel in each of the six countries concerned and in the Canal Zone. This temporary installation will be capable of secure on-line operation in the U.S. Embassy in each Latin American country. Approximately 3 days will be required for the temporary installation thereby providing limited communications service. In event AN/GRC equipment is not deployed, the permanent fixed equipment discussed in subparagraph 4b(3) may be installed on a temporary basis while awaiting construction of building.

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(3) Concurrent with shipment of the temporary facilities, pre-fabricated buildings, fixed communications equipment and full storage facilities will be brought to the site to complete the permanent installation in each one of the six countries. Approximately 25 days will be required to place the station in full operation in its permanent location. Current planning envisions contractual installation with one year operation and maintenance.

(4) After the fixed facilities become operational, the temporary installation (AN/GRC-26 equipment) and military personnel, if deployed, will be withdrawn as required. Permanent military personnel will be assigned to the fixed station 3 months prior to termination of contractual operation for on-the-job training and replacement of contractual operation and maintenance personnel.

(5) Fixed type communication equipment will be installed in five of the six distant stations and in the Canal Zone for all six circuits. Unless otherwise directed, transportable HF SSB (AN/TSC-20 or equivalent) will be employed at Caracas, Venezuela. JCS has directed CINCSTRIKE to provide 2 AN/TSC-20's for this purpose and at the call of CINCARIB. Fixed communication facilities, for two countries not yet identified, with associated terminal facilities in the Canal Zone, will be operational within 90 days. The remaining countries will be operational by 30 June 1963.

c. Each HF SSB radio circuit will be capable of 3 Voice and 16 teletypewriter channels ultimately but will be initially configured for 1 Voice and 4 teletypewriter channels (one to be secure on-line KW-26).

d. Operations in Latin American countries.

(1) All U.S. Army communications will be operated on a 24-hour day, 7-day week basis, unless otherwise directed.

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(2) The U.S. Army will be prepared to operate and maintain the classified communications center in the U.S. Embassy of each country, unless otherwise directed. Determination of U.S. Agency to operate and maintain the classified communications center in each country will be made on case by case basis after right of entry has been received.

(3) The U.S. Army will install, operate, and maintain the unclassified communications center, and the high frequency radio terminal.

(4) Provisions will be made for emergency voice and teletypewriter operations at the HF terminal normally to be located at the airport in each country.

(5) Indigenous personnel of the country concerned may be employed to operate one or more of the unclassified communication centers as well as the HF radio terminal. In such cases installation and maintenance will be furnished by the U.S. Army, upon request.

e. Operations in the Canal Zone.

(1) Interim facilities (AN/GRC-26) will be shelter operated.

(2) Fixed facilities in support of this plan will terminate in existing Army DCS Transmitter, Receiver and Commcenter locations, wherever possible.

5. (C) MISSION AND FUNCTIONAL DESCRIPTION

a. Mission. To install military communication equipment to meet CINCARIB's requirements. CINCARIB must have rapid, reliable, and secure communications between the Canal Zone and the six priority II countries.

b. Functional Description. For communication channel configuration, see Inclosure 1.

6. (S) SUPPORT REQUIREMENTS

a. Equipment.

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(1) Fixed radio, telephone and communication center equipment with associated cryptographic and power equipment are required in Bogota, Managua, Quito, San Jose, and Tegucigalpa. Unless otherwise directed, one AN/TSC-20 or equivalent is required at Caracas. For reliable communications, estimated transmitter power of 10-KW (PEP) is required. Operational experience and/or additional requirements may cause power increase at some stations.

(2) Motor vehicles required for normal operations for each communication team stationed in the six Latin American countries are: One (1) 2½ ton cargo, with winch; one (1) 3/4 ton; two (2) ½ ton; and one (1) 1000 gallon water trailer. Additional vehicles are required during initial construction. Caution will be taken to assure that excessive number of vehicles are not unloaded in foreign countries.

(3) Existing fixed communication equipment at the Canal Zone requires appropriate augmentation at Transmitter, Receiver and Commcenter.

(4) As indicated in DCA Memorandum of 9 November 1962 (reference 1c in letter of transmittal), sole-source procurement or direct negotiations, if needed, is authorized; Force/Activity Designator II and Urgency of Need Designator A apply with a resultant issue priority designator of 2. Supply priority of 2.00 is authorized this plan. In the event a DX Program priority is required, the Chief Signal Officer will so advise the Defense Representative of the National Security Council Subcommittee on Communications.

b. Radio Frequencies. An adequate complement of frequencies is needed for HF SSB and VHF/UHF circuits. 6A9 mission required by HF SSB circuits and 400 F9 required for VHF/UHF circuits.

c. Airlift Requirements. Personnel and equipment for installation and operation of the Canal Zone and the six distant stations require airlifting.

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Weights and cubes will be furnished by the U.S. Army Strategic Communications Command.

d. Building Space.

(1) Distant Stations.

(a) The transmitter, receiver, communication center and microwave station require approximately 1000 square feet of operational space. A similar amount of space is required for associated power, primary and standby. Prefabricated buildings are required. Building space for U.S. Air Force, air/ground facilities at Quito and Tegucigalpa is required.

(b) Floor space is considered available for the unclassified terminals at the U.S. Military Group and for classified terminals at the U.S. Embassies.

(2) Canal Zone. Building space can be made available at the existing Army Transmitter and Receiver Sites and at the existing Tape Relay to meet Phase II requirements.

e. Personnel.

<u>INTERIM</u>											
<u>Circuit</u>	<u>Teams pro- vided by</u>	<u>Equip- ment</u>	<u>Canal Zone</u>			<u>Out Station</u>			<u>Date</u>		
			<u>0</u>	<u>WO</u>	<u>EM</u>	<u>CIV</u>	<u>0</u>	<u>WO</u>	<u>EM</u>	<u>CIV</u>	
1	DA (OCSIGO)	AN/TSC-20		1	8		1	1	12		1 Jan 63
2	DA (OCSIGO)	AN/GRC-26			6			1	11		1 Mar 63
3	DA (OCSIGO)	AN/GRC-26			6			1	11		1 Mar 63
4	USCONARC	AN/GRC-26									7 Dec 62
5	USCONARC	AN/GRC-26									7 Dec 62
6	USCONARC	AN/GRC-26									7 Dec 62
Contingency USCONARC		AN/GRC-26									7 Dec 62
CZ Augmentation											
TOTAL				1	20		1	3	34		
			7	21					38		
					59						

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FIXED

<u>Circuit</u>	<u>Teams provided by</u>	<u>Equipment</u>	<u>Canal Zone</u>				<u>Out Station</u>				<u>Date</u>
			<u>O</u>	<u>WO</u>	<u>EM</u>	<u>CIV</u>	<u>O</u>	<u>WO</u>	<u>EM</u>	<u>CIV</u>	
1	DA (OCSIGO)	AN/TSC-20		1	8		1	1	14		1 Mar 63
2	DA (OCSIGO)	AN/GRC-26					1	1	23		1 Sep 63
3	DA (OCSIGO)	AN/GRC-26					1	1	23		1 Sep 63
4	USCONARC	AN/GRC-26					1	1	23		1 Oct 63
5	USCONARC	AN/GRC-26					1	1	23		1 Oct 63
6	USCONARC	AN/GRC-26					1	1	23		1 Nov 63
CZ Augmentation						10					1 Jun 63
Total			-	1	8	10	6	6	129		
					19				141		
											160

- Notes: 1. Two (2) AN/TSC-20 equipment from USTRICOM.
 2. All personnel, less those from USCONARC, to be assigned to USASCC.
 3. For team composition, less those from USCONARC, see Inclosure 2.

f. Funding. Funds estimated at \$11,885 million are required in FY 1963.

Additional funds of \$1.704 million are required in FY 1964. FY 1963 O&MA requirements are currently funded. For details see Inclosure 3.

g. Circuit Requirements. See Inclosure 4.

7. (S) ASSIGNMENT OF RESPONSIBILITIES

a. Deputy Chief of Staff for Military Operations is responsible for:

(1) Making a determination, in coordination with the Army General Staff, as to the units or activities to be reduced, slipped or inactivated, and/or other appropriate reallocation of resources, to meet the manpower space requirements of this plan. This determination will include the possibility of utilizing civilian technicians in lieu of military in whole or in part.

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(2) Authorizing Deputy Chief of Staff for Personnel to fulfill the approved personnel requirements of this plan without regard to priority from unallocated resources, as required.

b. Deputy Chief of Staff for Logistics is responsible for obtaining PEMA funds to implement this plan. Reprogramming authority for the PEMA costs of this project have been issued to Army Material Command by ODCSLOG. MCA minor construction funds have been apportioned to DA to cover the cost of minor projects at Chiva Chiva, Canal Zone. This project, however, must have prior approval of OSD.

c. Deputy Chief of Staff for Personnel is responsible for:

(1) Reallocating manpower spaces to meet requirements of SIGCOMP 2-62 and pursuant to determination made by DCSOPS.

(2) Assigning personnel to meet the interim and fixed requirements in accordance with priority established by DCSOPS for SIGCOMP 2-62.

d. Comptroller of the Army is responsible for providing additional O&MA funds to implement this plan.

e. The Chief Signal Officer is responsible for:

(1) Programming and budgeting for communication equipment, less air/ground, required to support this plan.

(2) Having cognizance over implementation of this plan, consistent with DCA specifications and instructions.

(3) Providing necessary communication equipment for the six countries concerned and such fixed equipment as may be required at the Canal Zone.

(4) Providing necessary cryptographic equipment as required.

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(5) Taking necessary action to implement this plan upon receipt of additional funds, manpower spaces, and personnel.

(6) Submitting appropriate reports to DOD, JCS or DCA.

(7) Coordinating with CINCARIB concerning assignment of radio frequencies.

f. Commanding General, U.S. Continental Army Command has agreed to provide eight (8) AN/GRC-26 teams in accordance with DA Message 922566 and USCONARC Message ATUTR-SIG 304064.

g. Commanding General, Army Material Command is responsible for:

(1) Procuring and storing communication equipment required to support this plan.

(2) Disseminating the contents of this plan to insure proper supply priority.

h. Commander, U.S. Army Caribbean (USARCARIB) is responsible for:

(1) Operating and maintaining the Panama communication terminal of the Venezuela, Nicaragua, Colombia, Costa Rica, Honduras and Ecuador circuits.

(2) Requesting necessary communication team personnel and spaces for augmentation at Panama terminal.

(3) Providing administrative and logistical support at all distant stations concerned, to include: floor space, housekeeping facilities; construction projects; lease of telephone pairs, and other actions to complete terminals.

(4) Exercising command supervision of the U.S. communication detachments in Venezuela, Nicaragua, Colombia, Costa Rica, Honduras and Ecuador as defined in AR 220-31.

(5) Submitting monthly progress report of readiness or implementation actions as pertains to Canal Zone activities with first report as of

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31 December 1962. Subject reports will be submitted to the Chief Signal Officer, Attn: SIGSD-10.

i. Commanding Officer, U.S. Army Strategic Communications Command (USASCC) is responsible for:

- (1) Installing, operating, and maintaining the Venezuela, (unless responsibility is given to another command) and the Nicaragua, Colombia, Costa Rica, Honduras and Ecuador terminal facilities.
- (2) Organizing, training and equipping four interim AN/GRC-26 teams and five fixed station teams.
- (3) Providing technical assistance to CINCARIB and/or USARCARIB for engineering installation of communication facilities at Panama in support of this plan as may be required.
- (4) Coordinating airlift requirements with Chief of Transportation.
- (5) Developing appropriate TA for the Venezuela, Nicaragua, Colombia, Costa Rica, Honduras and Ecuador teams.
- (6) Conducting on-site engineering surveys and associated tasks.
- (7) Submitting a monthly progress report of readiness or implementation actions as pertains to the six Phase II countries with first report as of 31 December 1962. Subject reports will be submitted to the Chief Signal Officer, Attn: SIGSD-10.

j. Commanding Officer, U.S. Army Caribbean Signal Agency (USARCSA) is responsible for providing within current resources, such personnel as may be available to man interim and/or fixed communication facilities in support of this plan.

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8. (C) COORDINATING INSTRUCTIONS

Direct coordination between Commander, USARCARIB, CO, USASCC and CO, USARCSA is authorized and encouraged.

4 Incl

1. Comm Channel Config
2. Personnel Requirements
3. Funding Requirements
4. Circuit Requirements

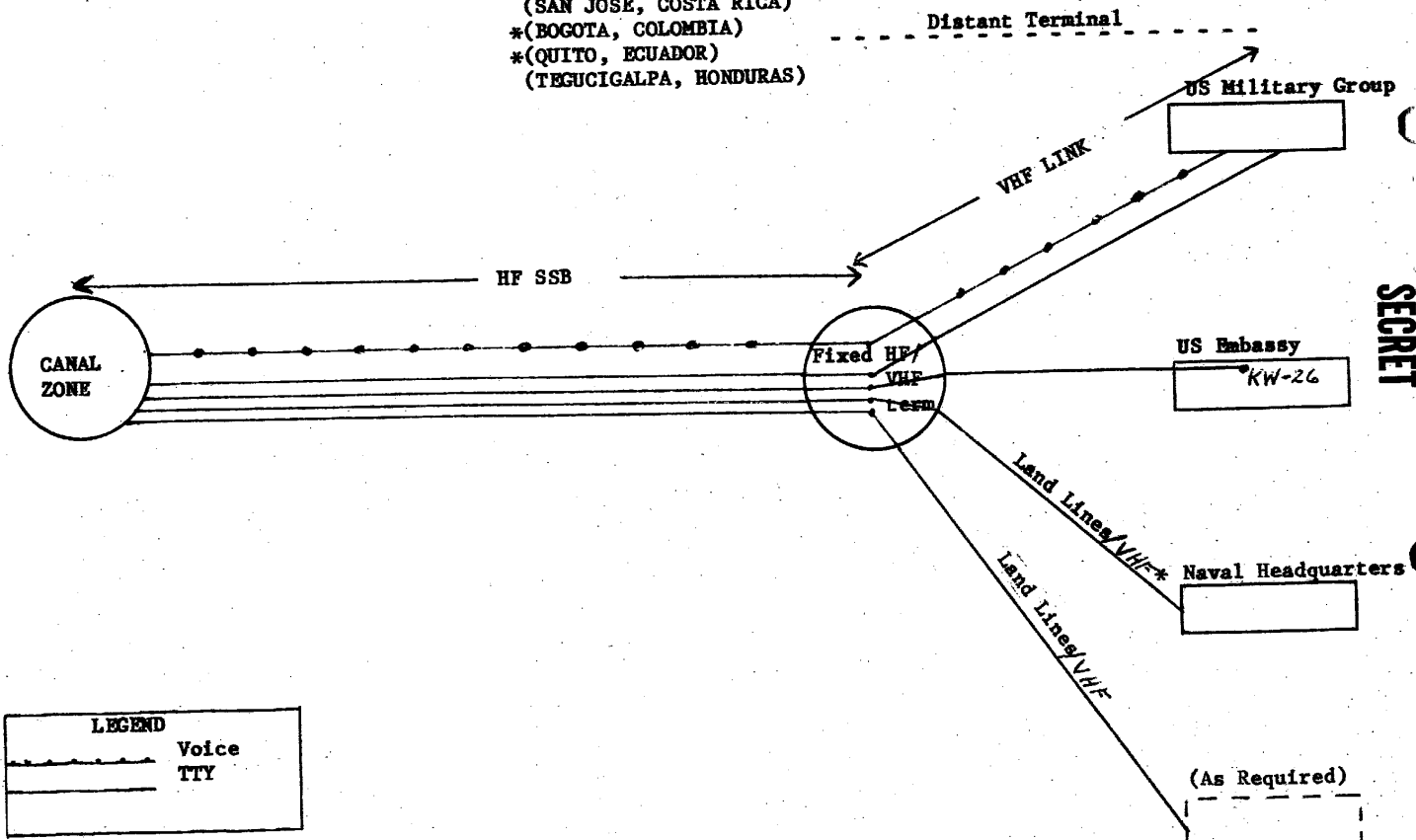
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COMMUNICATION CHANNEL CONFIGURATION

*(CARACAS, VENEZUELA)
 (MANAGUA, NICARAGUA)
 (SAN JOSE, COSTA RICA)
 *(BOGOTA, COLOMBIA)
 *(QUITO, ECUADOR)
 (TEGUCIGALPA, HONDURAS)



LEGEND

Voice
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CONFIDENTIALPERSONNEL REQUIREMENTS

Communications Team Composition:

MOBILE/TRANSPORTABLE

TITLE	GRADE	MOS	Fixed Station Quantity	AN/TSC-20		AN/GRC-26		
				Out Sta- tion	CZ	Out Sta- tion	CZ	
Radio Officer	Capt	0500	1	(1)				
Operations Officer	WO	721A	1	(1)	(1)	(1)		
Fixed Station Chief	E-8	279.8	1			(1)		
Fixed Sta Trans Repmn	E-6	272.6	3	(1)	(1)	(1)	(1)	
Administrative NCO	E-6	717.6	1					
Fixed Sta Receiver Repmn	E-5	271.1	2	(1)	(1)	(1)	(1)	
Clerk Typist	E-4	711.1	1			(1)		
Fixed Sta Multiplex Repmn	E-5	274.1	1	(1)	(1)	(1)	(1)	
Fixed Sta Crypto Repmn	E-5	345.1	1	(1)		(1)		
Gen Crypto Repmn	E-5	342.1		(1)	(2)			
TTY Repmn	E-5	341.1	1			(1)		
Signal Supply	E-5	765.6	1					
Power Station Supervisor	E-6	354.6	1			(1)		
Powerman	E-5	354.1	2					
Cryptographer	E-5	722.1		(1)	(1)			
CommGen Specialist	E-6	723.6	1					
Comm Equip Operator	E-5	723.6	3	(2)		(3)	(3)	
Comm Equip Operator	E-5	723.1	4	(4)	(2)			
Total:				2 Off/WO 23 EM 25	2 O/WO 12 EM 14	1 WO 8 EM 9	1 WO 11 EM 12	6 EM 6

7 TECHS + SUPPLY

Augmentation at USARCARIB, Canal Zone

Fixed Station Trans Repmn	272.1	3
Fixed Station Recv Repmn	271.1	3
TTY Operator	723.1	4
Total:	10 CIV	

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FUNDING REQUIREMENTS

(1) Estimated Cost in FY-1963 is:

Military Personnel		\$ 151,000
Procurement		8,910,000
Out Stations	(\$3,508,444)	
Canal Zone:		
Commcenter	(2,547,950)	
Transmitter Station	(918,131)	
Receiver Station	(532,525)	
Outside Plant (Cable)	(300,000)	
Inter-site M/W	(492,950)	
Trans-Isthmian M/W	(610,000)	
O&MA		2,313,000
Out Station	(900,000)	
MATS Freight	(\$1,348,000)	
Personnel Airlift	(65,000)	
MCA		511,000
*Bldg 732 (Corozal)	(411,000)	
Minor Construction for Chiva Chiva	(130,000)	
		<u>\$11,885,000</u>

(2) Estimated additional costs for FY-1964:

Military Personnel	604,000
Procurement	
O&MA	<u>1,100,000</u>
	<u>\$1,704,000</u>

* Approved in FY-1963 MCA Program.

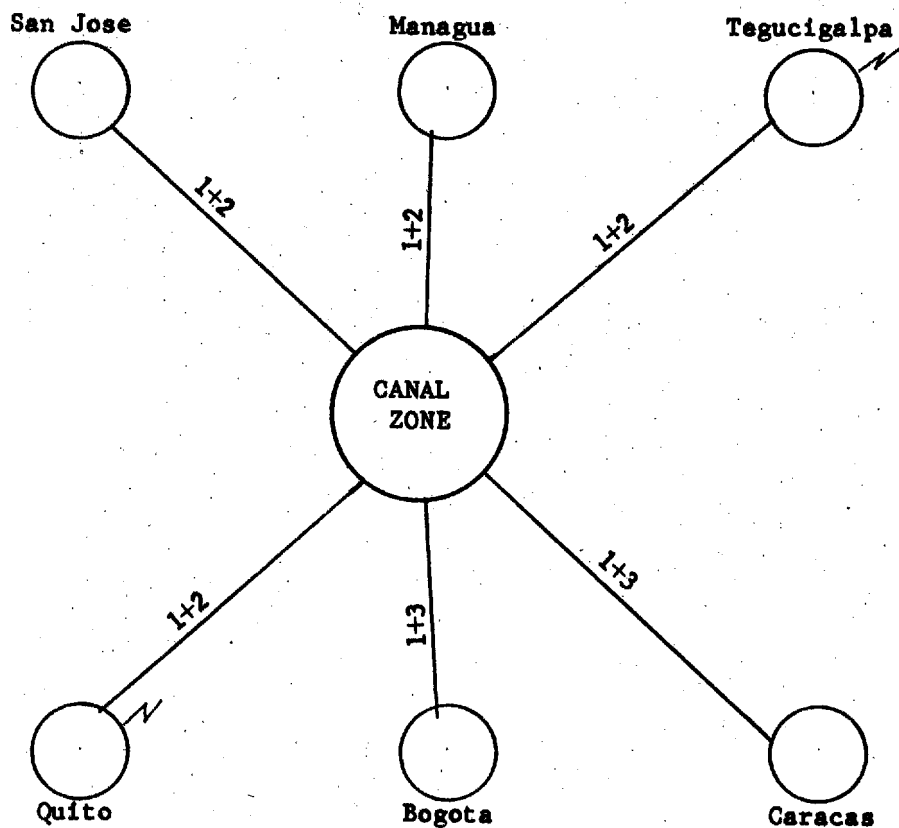
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PHASE II - CIRCUIT REQUIREMENTS



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⚡	Air/Ground

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