

ENGINEER BRANCH (TO5)

AUTHORIZED:

1 Dir of Engr	DAC	GS13	N
1 TV Repair Tech	284A0	WO	A
1 TV Equip Maint Ch	26T50	E8	A
1 Fxd XMTR Sta Ch	32C40	E7	A
1 Gd Rad Commo Tech	30474	E6	AF
1 Fxd XMTR Sta Sup	32C40	E6	A
1 Fxd Sta XMTR Rpm	32C20	E5	A
2 Elec Engr		LN	
1 Adm Wk		LN	
6 Constr Engr Tech		LN	

16 Total

ASSIGNED: 14 Personnel

WORKLOAD:

The Engineer Branch is responsible for the installation, maintenance, repair placement and disassembly of all TV, radio, transmitter, generator, tower, antenna and misc radio/TV equipment. The design of communication field patterns, field analysis and selection of appropriate geographical areas. The establishment of standard methods of technical operation and provision of information and guidance to AFVN personnel. Primarily responsible for the technical engineering necessary to provide uninterrupted transmission of the ARVN signal. This responsibility encompasses the main or key studio and 10 satellite sites and detachments; 18 AFVN transmitter towers and 3 towers of the GVN-TV where AFVN equipment is colocated.

RECOMMENDED STAFFING:

AUTHORIZATION:

1 Dir Engr	284A0	WO	A
1 Engr NCO	30495	E9	AF
1 Fxd XMTR Sta Ch	32C40	E7	A
1 Grd Rad Commo Tech	30474	E6	AF
1 Fxd XMTR Stat Sup	32C40	E6	A
1 Fxd Sta XMTR Rpm	32C20	E5	A
2 Elec Engr		LN	
5 Constr Engr Tech		LN	

13 Total

RATIONALE:

In view of the current workload and considering a probable increase of workload due to a future phase-down and relocation of equipment, the essentiality of the recommended spaces was established. The position of the DNC GS13 is recommended for deletion; the position has not been filled since February 1971. The technical capability of the incumbent WO, NCOIC, and local national engineers have proven to be sufficient to meet mission essentials. Likewise, the currently programmed WO replacement (WO McDonald) is known to possess like

RADIO MAINTENANCE (705A)

AUTHORIZED:

1 Rad Rel Eqmip Tech	30470	E7	AF	NC
1 Fxd Xmtr Stat Ch	32C40	E7	A	NC
1 Rad Maint Man	02312	E6	N	
2 Rad Maint Man	02312	E5	N	
1 Fxd Stat Rcvr Rpmn	32R20	E5	A	
3 Fxd Stat Xmtr Rpmn	32R20	E5	A	
2 Grd Rad Commo Eqtm Rpmn	30454	E5	AF	
<u>1</u> Fxd Stat Rcvr Rpmn	32R20	E4	A	

12 Total

ASSIGNED: 15 Personnel

WORKLOAD:

The Radio Maintenance section is responsible for maintenance, installation, removal and repair of radio, transmitter and allied equipment in the Key Station and each of the 10 Satellite substations. This includes 18 teletype machines. The workload is fairly even and is accomplished by two shifts, 24 hours per day, 7 days a week. There is a backlog of approximately 3 work days. There is regular preventative maintenance scheduled on all radios and electrical equipment that must be performed if 24 hours of uninterrupted signal is to be continually broadcast. 3 personnel per day are required to monitor the FM/TV transmitter station and 3 personnel are required 24 hours per day at the AM transmitter site at Vung Tau. Teams are regularly scheduled to take field trips to the satellite or sub-stations for maintenance and repairs, as required. The workload of this section is anticipated to increase as the phase-down is accomplished because of the requirements for the withdrawal, relocation, retro-grade and preparation for shipment of all surplus radio equipment.

RECOMMENDED STAFFING:

AUTHORIZATION:

1 Rad Rel Eqmt Tech	30470	E7	AF	NC
1 TV Repr Tech	26T40	E7	A	NC
1 Elec Tech	1512	E6	N	NC
2 Elec Tech	1512	E5	N	
1 Fxd Stat Rcvr Rpm	32R20	E5	A	
3 Fxd Stat Xmtr Rpm	32C20	E5	A	
2 Grd Rad Com Eqmt Rpm	30454	E5	AF	
1 Sr TT Rpmn	31J20	E5	A	
1 TT Rpmn	92344	E5	N	
<u>1</u> Fxd Sts Rcvr Rpm	32R20	E4	A	

RATIONALE:

In view of the workload the number of spaces for which this section is currently staffed are considered adequate and justified to assure mission accomplishment. Additional factors considered is the imminent dismantling, overhaul, relocation, retrograde and preparation for shipment of all commo equipment rendered surplus due to the phase-down. The Navy E6 and two E5 radio maintenance men, 2312, positions are recommended to be converted to "electronic technician" positions to afford more knowledge and a broader skill base in the electrical field. Likewise the Army E7, Fixed Transmitter Station Chief, 32C40 is recommended to be redesignated TV Repair Technician, 26T40, to afford additional skill base and knowledge in the FM/TV Transmission site. The 2 teletype repairmen E5, authorized in the News Branch are recommended for transfer to this section where they currently perform their duties. The above recommended staffing, in addition to realigning positions to meet functional requirements, adds two positions transferred from the News Branch (Net Result: +2 spaces).

TV MAINTENANCE (705B)

AUTHORIZED:

2 TV Equip Tech	30457	E7	AF	NC
1 Mono TV Tech	09574	E5	N	
5 TV Equip Rpmn	26T20	E5	A	
8 TOTAL				

ASSIGNED: 9 Personnel

WORKLOAD:

Repairs and maintains all TV equipment in the Key Station which consists of 3 IO Cameras and associated equipment; 3 radio taperecorders; 1 Kinescope recorder and a Station Synchronization System. Makes necessary copies of vidio tapes and kinescope copies of VTR or film received from CONUS for satellite sub-stations. Edites all incoming tapes and films to eliminate objectionable material (commercials) and to extract news items. Provides Broadcast Operations Branch with 2 TV Technicians per shift (two shifts per day) for operation of the camera equipment and the vidio tape machine during live telecasts. TV repair and maintenance teams are regularly scheduled for field trips to inspect, repair and maintain TV equipment in satellite stations and transmitter sites.

RECOMMENDED STAFFING:

No change except to convert one military TV Eqptm Rpmn 26T20, E5, Army to a LN Engr Tech. This conversion will afford and assure continuity in the Section throughout the phase-down.

RATIONALE:

The workload of this section appears to justify the current number of staffing positions until such time as some of the TV operations are phased-down or AFVN resorts to "canned" programs. (Net result: Convert one military space to LN).

SUPPLY BRANCH (TO6)

AUTHORIZED:

1 Unit Supply Tech	761A)	WO	A
1 Supply Sgt	76Y40	E7	A
1 Stock Control Supv	76P40	E6	A
2 Sr Rep Parts Sp	76U20	E5	A
3 Supply Spec	76Y20	E5	A
1 Supply Clerk		LN	
1 Supply Spec		LN	
1 Trade Worker		LN	

11 Total

ASSIGNED: (10 M11, 3 LN)

WORKLOAD: The Supply branch is divided into 4 sections; these are:

Property Book Section
Spare Parts Section
Shipping and Receiving Section
Requisition Section

The property book section maintains the property book, document files and hand receipts. They also draft letters, messages and submit recurring and special reports. The Spare Parts Section maintains stockage on 11,000 line items which includes complete inventory every 180 days, issue of spare parts to key station and detachments and maintains close liaison with Network engineer on detachment needs. The Shipping and Receiving Section makes an average of two daily runs to 8th Aerial Port or New Port to pick up supplies and equipment, packs and crates material and equipment for shipment to stateside depots. This will be an increasing workload as equipment is withdrawn and network operation consolidated. The requisition section prepares from 17 to 53 requisitions per day for the network, maintains requisition files, document registers and notifies shipping on receipt of items for detachments or Spare Parts Section upon receipt of items for stockage.

RECOMMENDATION:

Because of foreseeable reduction and consolidation of Network throughout South Vietnam, the Supply Branch will be heavily taxed to account for, pack, crate and ship nonexpendable supplies and equipment; therefore their workload will not decrease. The branch has a fairly relaxed work schedule at this point in time, however this is because of an overmanning situation of two enlisted types. Recommend no changes in JTD authorized strength.

AFVN FIELD DETACHMENTS

AUTHORIZED: The current AFVN JTD Detachments and authorizations are undergoing numerous changes in location and types of service to tailor their operation to the U.S. Force phasedown. They will concentrate AM/FM radio and TV broadcasts to the areas of greatest concentrations of US military populations. The following are current detachments and authorizations:

	<u>OFF</u>	<u>EM</u>	<u>LN</u>	<u>TOT</u>
DET #1 QUI NHON	1	9		10
#2 DA NANG	1	10		11
#3 PLEIKU	1	9		10
#4 NHA TRANG	1	10		11
#5 QUANG TRI	1	9		10
#6 TUY HOA	1	7		8
TOTAL	6	54	0	60

COMMENTS ON FUTURE DETACHMENT PROGRAM: By conversation with the AFVN OIC and field visits to detachments #2 and #3, the following program is contemplated:

1. Det #1 at Qui Nhon will be operational until March - April, 1972. The succeeding time frame is uncertain and will probably go down to only translator capability. This can delete all authorizations, with exception of maintenance. The maintenance can probably be picked up by an area signal unit at no additional manpower cost.

2. Det #2 (Da Nang) No change in operation anticipated. The station is an excellent facility, broadcasting TV 12 hrs per day and AM/FM radio 24 hrs per day. Authorizations are consistent with current operational workloads. Although not a manpower problem, the station is faced with a critical support situation which can evolve into a manpower problem. Det #2 is located approximately half way up "Monkey Mountain", overlooking Da Nang. There are two other U.S. type facilities also on the mountain (Navy tropo-site and AF Tactical Control Radar site). Both of the other sites are well secured with guards, concertina wire, etc. The AFVN station is completely without protection. In the past they were afforded some guard support; but with the withdrawal of active units, this is not provided. They are assigned 9 personnel against a requirement for 11 to operate the station. If the XXIV Corps area wishes a continuation of TV/Radio service, some protection must be provided. Support in vehicle maintenance has also been discontinued; the detachment has two vehicles, one is in a repair facility with a broken axle and the other is in a bad state of repair. Because of its isolated location, at least 2 trips per day must be made down the mountain and back for personnel messing, in addition, pick-up of supplies, film, tapes, mail etc, run the average up to 3 per day. Support agreements with the MRL Area Coordinator are either not in existence or are not being honored. The lack of security represents an extremely dangerous situation for personnel and revocation of vehicle maintenance support presents an untenable situation.

3. Det #3, Pleiku. The future of this detachment is uncertain. With HQ SRAG moving from NHA TRANG to Pleiku some coverage will be desirable. The state of repair of facilities and equipment however, plus a small military population will probably dictate AM/FM radio transmission only. They operate currently both TV and Radio broadcasts. TV is operational 7 hours per day and AM/FM Radio 24 hours per day.

4. Det #4, NHA TRANG. No change in operation anticipated except for the movement of the entire station to Cam Rahn Bay. The station moved and will be operational O/A 1 October 1971. The authorizations are consistent with the current workload.

5. Det #5 Quang Tri. The detachment has moved to Hue/Phu Bai and is operating out of a van. The necessity for the AM/FM/TV facility in the Hue/Phu Bai area after completion of the announced redeployment of the 101st Airborne Division (Airmobile) will have to be determined.

6. Det #6 TUY HOA. The Tuy Hoa detachment has been connected to translator operation only. The operation requires a monthly maintenance check ($\frac{1}{2}$ day) or an engineer visit when the equipment breaks down. The translator site will fall under the operational control of detachment #1, Qui Nhon, who will perform the necessary maintenance.

7. The Can Tho translator site is operational. The site has rebroadcast capability from a mobile TV/FM operation. The requirement for 3 engineers appears to be valid.

RECOMMENDATIONS:

Through conversation with the OIC, AFVN and observations made during visits to AFVN field detachments following recommendations are made:

- a. QUI NHON - No Change
- b. Da Nang - No Change
- c. Pleiku - Deletion of 5 enlisted
- d. NHA TRANG - Reorganize by name only at Cam Rahn Bay.
- e. QUANG TRI - Reorganize by name only at Hue/Phu Bai. Deletion of 3 enlisted spaces.
- f. TUY HOA - Deletion of 8 spaces.
- g. CAN THO - Establish 3 positions and Detachment.