## UNCLASSIFIED

### AD NUMBER

| AD508205 |

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<tr>
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### FROM:

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AGO D/A ltr, 13 Oct 1980; AGO D/A ltr, 13 Oct 1980

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SUBJECT: Operational Report - Lessons Learned, Headquarters, 52d Signal Battalion, Period Ending 31 October 1969 (U)

1. Subject report is forwarded for review and evaluation in accordance with paragraph 4b, AR 525-15. Evaluations and corrective actions should be reported to ACSPOR OT UT, Operational Reports Branch, within 90 days of receipt of covering letter.

2. Information contained in this report is provided to insure appropriate benefits in the future from lessons learned during current operations and may be adapted for use in developing training material.

BY ORDER OF THE SECRETARY OF THE ARMY:

KENNETH G. WICKHAM
Major General, USA
The Adjutant General

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DEPARTMENT OF THE ARMY
HEADQUARTERS, 52D SIGNAL BATTALION
APO San Francisco 96215

SCCPV-SG-VD-0
31 October 1969


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1. Section I. Operations: Significant Activities

   a. Mission: During the reporting period the 52d Signal Battalion established and maintained communications facilities in support of the Delta Military Assistance Command, and other U.S. and Free World Military Units in IV Corps Tactical Zone, RVN.

   b. General: The 52d Signal Battalion is organized under HTOE-500 GC 06 and is performing its mission under the control and supervision of 2d Signal Group, its parent organization. The Battalion has been in operation the entire 92 days of this quarter.

   c. Activities:

      (1) Ceremonies:

         (a) A ribbon cutting ceremony was held on 8 September 1969 at A Company, 52d Signal Battalion, IV Corps Comm Center. The ceremony was attended by Major General Roderick Wetherill, CG DMAC, Brigadier General Jack A. Albright, Deputy CG 1st Signal Brigade, and many other distinguished visitors.

         (b) LTC Don R. Wong relinquished command to LTC Freeman L. Pendleton during a Change of Command ceremony on 20 October 1969. The ceremony was attended by Major General Roderick Wetherill, CG DMAC, Brigadier General Thomas Rienzi, CG 1st Signal Brigade, Brigadier General George Cantlay, Deputy CG DMAC, and Brigadier General Hanh, Deputy CG IV Corps. LTC Wong was presented the Legion of Merit and the Air Medal by General Rienzi.

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1

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31 October 1969


(2) **Principal Staff Change:**

(a) Major John S. Williams was assigned as Battalion S-3 Officer on 7 August 1969. This is Major Williams' second tour in Vietnam.

(b) On 26 September 1969 Captain John E. Krivo assumed the responsibilities of Battalion Chaplain, filling the vacancy left by the departure of Captain Joel Embry during the last quarter.

(c) LTC Freeman L. Pendleton assumed command of the 52d Signal Battalion on 20 October 1969. The previous Battalion Commander, LTC Don R. Wong departed for his new assignment with DCA.

(3) **Distinguished Visitors:**

(a) Colonel John E. Sterling, CO, 34th Engineer Group visited A Company, 52d Signal Battalion on 6 August 1969. A tour and briefing were presented with emphasis on construction projects.

(b) Brigadier General Jack A. Albright, Deputy CG, 1st Signal Brigade visited the 52d Signal Battalion Sites at Bac Lieu and Soc Trang on 13 August 1969.

(c) The 1st Signal Brigade IG Team inspected the 52d Signal Battalion and its companies during the period 1-6 September 1969.

(d) Major General Roderick Wetherill, CG DMAC, visited the 52d Signal Battalion Headquarters and A Company on 7 September 1969. Detailed briefings were given at each location.

(e) Air Force General Gordon Gould visited A Company, 52d Signal Battalion on 17 September 1969. A tour and briefing were conducted at the A Company major facilities.

(f) LTC Trail, Engineer Officer of 1st Signal Brigade, visited the 52d Signal Battalion Headquarters and several sites on 29 and 30 September 1969. Col Trail inspected command bunker construction in the 52d Signal Battalion.
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52d Signal Battalion for Period Ending 31 October
1969, RCS CSPOR-65 (R2) (U).

(g) LTC Galloway, the new DMAC Signal Advisor visited
Battalion Headquarters and A Company on 1 October 1969. Briefings
were given at both locations to give LTC Galloway an appreciation
for the mission and capabilities of the 52d Signal Battalion.

d. Personnel and Administration:

(1) The 52d Signal Battalion implemented its new MTOE's
(11-500 GC 06) during the month of September. The new authorized
strength is 840. The battalion has 717 personnel or 85.4% of its
authorized strength at this time. The Battalion is sufficiently
staffed to perform its mission.

(2) Key MOS Shortages at the end of the reporting period
exist mostly in NCO supervisory areas. A number of these shortages
are caused by an increase of personnel authorized in an MOS or an
addition of new MOS's.

<table>
<thead>
<tr>
<th>MOS</th>
<th>DESCRIPTION</th>
<th>AUTO</th>
<th>ASG</th>
<th>SHORT</th>
</tr>
</thead>
<tbody>
<tr>
<td>31J</td>
<td>TTY Equipment Repairman</td>
<td>21</td>
<td>15</td>
<td>6</td>
</tr>
<tr>
<td>31N</td>
<td>RADIO Relay Carrier Operator</td>
<td>133</td>
<td>122</td>
<td>11</td>
</tr>
<tr>
<td>31N40</td>
<td>Tactical Circuit Control</td>
<td>5</td>
<td>Ø</td>
<td>5</td>
</tr>
<tr>
<td>32F</td>
<td>Fixed Ciphony Repairman</td>
<td>11</td>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>32F40</td>
<td>Fixed Ciphony Repair Supervisor</td>
<td>3</td>
<td>Ø</td>
<td>3</td>
</tr>
<tr>
<td>36C40</td>
<td>Wire Team Chief</td>
<td>24</td>
<td>8</td>
<td>16</td>
</tr>
<tr>
<td>51L</td>
<td>Refrigerator Specialist</td>
<td>9</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>63C40</td>
<td>Motor Sergeant</td>
<td>6</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>70A</td>
<td>Clerk</td>
<td>9</td>
<td>Ø</td>
<td>9</td>
</tr>
<tr>
<td>71H</td>
<td>Personnel Specialist</td>
<td>16</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>71T</td>
<td>Maintenance Data Specialist</td>
<td>5</td>
<td>Ø</td>
<td>5</td>
</tr>
<tr>
<td>76U</td>
<td>Communications Electronic Parts Specialist</td>
<td>9</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>76Y30</td>
<td>Armorer</td>
<td>4</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>76Y40</td>
<td>Supply Sergeant</td>
<td>7</td>
<td>4</td>
<td>3</td>
</tr>
</tbody>
</table>
(3) There was a 330% increase in promotion allocations over last quarter, however due to lack of position vacancies and rotation of eligible personnel prior to receipt of allocations only 75.7% of the allocations could be used.

(4) During the reporting period the following awards and decorations were approved for members of this Command.

<table>
<thead>
<tr>
<th>MEDAL</th>
<th>AUGUST</th>
<th>SEPTEMBER</th>
<th>OCTOBER</th>
<th>TOTAL</th>
<th>LAST QTR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver Star</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Legion of Merit</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>BSM &quot;V&quot;</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>BSM</td>
<td>4</td>
<td>6</td>
<td>10</td>
<td>20</td>
<td>10</td>
</tr>
<tr>
<td>Air Medal</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>ACM &quot;V&quot;</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>ACM</td>
<td>11</td>
<td>9</td>
<td>46</td>
<td>66</td>
<td>21</td>
</tr>
<tr>
<td>Purple Heart</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Cert/Ach</td>
<td>13</td>
<td>19</td>
<td>37</td>
<td>69</td>
<td>18</td>
</tr>
</tbody>
</table>

(5) There was a large drop in the number of home town news releases this quarter due to a decrease in the number of new incoming personnel and an increase in the number of personnel requesting not to have stories released. The breakdown is as follows:

<table>
<thead>
<tr>
<th>AUGUST</th>
<th>SEPTEMBER</th>
<th>OCTOBER</th>
<th>TOTAL</th>
<th>LAST QTR</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td>55</td>
<td>44</td>
<td>140</td>
<td>318</td>
</tr>
</tbody>
</table>

e. Intelligence:

(1) Enemy Activities: 39 enemy initiated activities were reported during this quarter. No casualties were reported.

(a) On 5 September 1969 at 0035H hours, the 324th Signal Company site at Cao Lanh was hit by 82mm mortar fire damaging two generators. There were no injuries.

(b) On 11 September 1969, at 0100H hours, the D Company Signal Site at V1 Thanh was hit by 82mm mortar fire. One round hit a 26 pair cable about 50 meters from the command bunker. Two 26 pair cables, two 55 gallon drums of oil, one ¾ ton truck and a 2½ ton truck were damaged.

(2) Defense Measures: An extensive construction program at all sites was carried out during the quarter. Two carrier bunkers were begun, one at Moc Hoa and one at V1 Thanh.

(3) Physical Security Program: The Annual Physical Security Survey of the 52d Signal Battalion Headquarters was conducted by the 92d Military Police Company on 11 September 1969. Physical security surveys of four companies were conducted by CW3 L.S. McKay, Battalion S-2 during the quarter.

(4) Counter-Intelligence Inspections: During this quarter six counter-intelligence inspections were conducted by Battalion S-2. Four more are scheduled. The counter-intelligence inspections conducted by 2d Signal Group on 16 August 1969 and the 1st Signal Brigade IG Team on 6 September 1969 showed the Battalion's counter-intelligence program to be satisfactory.

(5) Security Violations: None.

f. Organization:

(1) The Signal Site at Moc Hoa, which was formerly part of the 324th Signal Company was put under the operational control of A Company on 30 August 1969.

(2) With the implementation of the new MTOE this month, there was a change in the basic organization of the battalion. The Can Tho Support Facility was added to the organizational chart. The support facility consists of the Dial Telephone Exchange, Can Tho Minor Relay, Special Quality Data Circuit Switching Center and the Tandem Switch.

(3) The 324th Signal Company, 52d Signal Battalion was deactivated on 15 October 1969 and redesignated B Company, 52d Signal Battalion. My Tho, Go Cong, Ben Tre, and Dong Tam which were part of old B Company were put under operational control of C Company. The 324th Company will return to CONUS for deactivation.

(4) Organisational Chart enclosed.
g. Operations:

(1) **Deactivation of AAH52, 77UH3G, and AAZ66:** AAH52, an AN/TRC-24 shot from VI Thanh to Rach Gia was deactivated on 29 August 1969. All circuits which were originally on this system were cut over to ICS. 77UH3G, a 12 channel trunk group from Can Tho to Sa Dec was deactivated on 4 August 1969. The circuits on this trunk group were also rerouted over ICS. AAZ66, a 12 channel trunk group from Can Tho to Dong Tam was deactivated on 28 September 1969. The troop withdrawal from Dong Tam was responsible for this deactivation.

(2) **Deactivation of Tone Packs AAX07, 77UX04, and 77UX77:** Three voice frequency teletype tone packs, AAX07, Can Tho to Dong Tam; 77UX04, Can Tho to Tan Son Nhut; and 77UX77, Can Tho to Tan Son Nhut, were deactivated during this quarter. It is estimated that by the end of the next quarter that four remaining tone packs will be deactivated. These deactivations are partially due to troop cut-backs and partially to the expanded capabilities of ICS.

(3) **Deactivation of the Dong Tam Tandem Trunks:** The 13 Tandem Trunks which terminated on the switch board at Dong Tam were deactivated during the month of August. With the large American troop withdrawal from Dong Tam these trunks were no longer necessary and are earmarked for use in other locations.

(4) **Addition of Moc Hoa station to IV Corps O&I Net:** An AN/GRC-122 was installed at Moc Hoa on 1 October 1969, thereby adding an additional station to the IV Corps O&I Net. The AN/GRC-122 is the first piece of equipment to be installed in the recently completed command bunker.

(5) **Installation of PT-to-PT HF/RTT Net:** A PT-to-PT HF/RTT Net was installed on 9 October 1969 between Chi Lang and Ha Tien. The net is being used for coordination of border control activities and consists of two AN/GRC-122's operating both voice and secure TTY modes.

(6) **Relocation of Long Kuyen Carrier:** During the early part of this quarter, relocation of the carrier equipment at Long Kuyen was begun. The carrier equipment is being relocated from its present position at the 52d Site to the ICS Site a short distance away. The relocation will be operationally complete during the next quarter; however bunkering for the vans will be a problem. Bunkering is required to be the same as that used by ICS and no material like that required is available to the 52d at this time.
(7) Replacement of AN/GRC-26D's by AN/GRC-122's in O&T Net: Five AN/GRC-26D's, two MRR-B's and two MRT-9's in the 52d Signal Battalion O&T Net were replaced by eight AN/GRC-122's early in this quarter. The simplicity of setting and changing frequency and the frequency stability obtained have improved the operational quality of the net tremendously. It was found that by leaving both the AN/GRC-122 and the MRR-B/MRT-9 on the air at the FCS during the transition and dividing the net into two separate nets (one using the old equipment and one using the new AN/GRC-122) many compatibility problems could be eliminated. More live traffic was passed during the first month of operation than in the last two years.

h. Training:

(1) OJT Program: The OJT program in the Battalion is used in introducing new personnel to the type and quality of communications required in RVN. The program is also used to help relieve shortages in key MOS fields. The OJT program during this reporting period decreased due to the assignment of qualified personnel within key MOS fields. There were 502 personnel trained under the OJT program this reporting period. The breakdown is as follows:

<table>
<thead>
<tr>
<th>MOS</th>
<th>DESCRIPTION</th>
<th>PERS TNG</th>
<th>PERS CROSS TNG</th>
<th>TOTAL</th>
<th>LAST QTR</th>
</tr>
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<tbody>
<tr>
<td>05B</td>
<td>RADIO OPR</td>
<td>11</td>
<td>4</td>
<td>15</td>
<td>11</td>
</tr>
<tr>
<td>05C</td>
<td>RTT OPR</td>
<td>43</td>
<td>2</td>
<td>45</td>
<td>30</td>
</tr>
<tr>
<td>31E</td>
<td>FLD RAD RPM</td>
<td>7</td>
<td>1</td>
<td>8</td>
<td>6</td>
</tr>
<tr>
<td>31M</td>
<td>RAD REL CARR ATTN</td>
<td>88</td>
<td>7</td>
<td>95</td>
<td>117</td>
</tr>
<tr>
<td>31Z</td>
<td>ARMY AREA COM CH</td>
<td>21</td>
<td>2</td>
<td>23</td>
<td>5</td>
</tr>
<tr>
<td>32C</td>
<td>FIX STA RPM</td>
<td>2</td>
<td>2</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>36G</td>
<td>MANUAL SWBD RPM</td>
<td>10</td>
<td>3</td>
<td>13</td>
<td>14</td>
</tr>
<tr>
<td>36C</td>
<td>POLE LINEMAN</td>
<td>34</td>
<td>8</td>
<td>42</td>
<td>42</td>
</tr>
<tr>
<td>36H</td>
<td>DIAL CENTRAL RPM</td>
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<td>4</td>
<td>16</td>
<td>21</td>
</tr>
<tr>
<td>52B</td>
<td>PWR GEN OPR MECH</td>
<td>6</td>
<td>3</td>
<td>9</td>
<td>38</td>
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<table>
<thead>
<tr>
<th>MOS</th>
<th>DESCRIPTION</th>
<th>PERS</th>
<th>T'G</th>
<th>PERS</th>
<th>T'G</th>
<th>TOTAL</th>
<th>LAST CR</th>
</tr>
</thead>
<tbody>
<tr>
<td>63B</td>
<td>WHEEL VEH MECH</td>
<td>13</td>
<td>2</td>
<td>15</td>
<td>2</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>71B</td>
<td>CLERK TYPIST</td>
<td>4</td>
<td>5</td>
<td>9</td>
<td>13</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>71F</td>
<td>POSTAL CLERK</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>72B</td>
<td>COMM CTR SPC</td>
<td>126</td>
<td>3</td>
<td>129</td>
<td>116</td>
<td>116</td>
<td></td>
</tr>
<tr>
<td>72C</td>
<td>TEL SWED OPR</td>
<td>3</td>
<td>1</td>
<td>4</td>
<td>4</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>76U</td>
<td>ELECT PARTS SPC</td>
<td>5</td>
<td>1</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>76Y</td>
<td>GEN SUPPLY SPC</td>
<td>7</td>
<td>2</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>911</td>
<td>COOK</td>
<td>22</td>
<td>1</td>
<td>23</td>
<td></td>
<td>23</td>
<td></td>
</tr>
</tbody>
</table>

(2) Special Training Projects: Special Training during this reporting period consisted of USATF 1st Signal Brigade courses and special classes held within the Battalion on the AN/GRC-122's and MGC-22-23's. These classes help increase the proficiency of operators in the unit, as well as being used in conjunction with the OJT program. The following chart shows a breakdown of the 52d personnel attending USATF courses:

<table>
<thead>
<tr>
<th></th>
<th>ATT</th>
<th>ALLOC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Splicers</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>PCM Operators</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>PCM Maintenance</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>AN/GRC-50 Maintenance</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>71H Refresher Training</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Telephone Installation and Repair</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Cable Construction Plt Ldr Course</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

TOTAL: 14 14

1. Logistics:

(1) Battalion Property Books Decentralized: Decentralization of the property books was begun during the first month of this quarter. The decision to decentralize the property books was made last quarter after many problems arose with the old system. Concurrence with this decision to decentralize the property books was given by the AGI Team during their recent inspection.

(2) New Supply Policy Implemented: A new supply policy has been implemented by Battalion S-4 whereby each company is required to submit a written forecast of required supplies on a weekly basis. This helps to consolidate paper work and make supply procedures more efficient.

(3) AN/GRC-122's Added to Battalion Assets: During the early part of this quarter twelve AN/GRC-122 radio vans were added to the Battalion Property Books. These vans were used to replace the less reliable AN/GRC-26D's in the IV Corps O&I Not. The installation of these new AN/GRC-122's left 5 AN/GRC-26D's, 2 MRT-9's and 2 HRIUS's available for turn in by Battalion S-4. Several AN/GRC-122's are expected to be added to the Battalion's assets due to the recent commitment received for this equipment.

(4) New Generators: The Battalion has received twelve 15 KW generators during this quarter. These will provide the capability of retiring over-age generators and decreasing the number of power failures due to worn out generators.

(5) Inadequate POL Support: Inadequate POL support, resulting from unscheduled and unannounced aerial and commercial delivery by the 574th Supply and Service Co, Saigon, has necessitated the handling and arranging for delivery of POL products to many of the 52d Sites to be done by Battalion S-4.

2. Section 2. Lessons Learned: Commanders Observations, Evaluations and Recommendations:

a. Personnel: None.
b. Intelligence: None.
c. Operations: None.
d. Organization: None.

31 October 1969

e. Training:

(1) ARVN - DTE Buddy System Training:

(a) Observation: Except as a human relations effort between the ARVN and US personnel, the training of ARVN's as inside telephone plant repairmen (36H) has been largely ineffective.

(b) Evaluation: Although trainees are supposed to speak and understand English, most of them do not, and an interpreter has to be employed to breach the language barrier. The 52d has no 36H personnel or FCO's who speak Vietnamese. Together with the ARVN's lack of technical knowledge and ability, these problems make it difficult to train ARVN personnel in inside telephone plant operation and maintenance procedures.

(c) Recommendation: That the present ARVN training program emphasize the training of only qualified ARVN's who can speak English.

g. Communication:

(1) Excessive Failure of Modem MD-522:
(a) Observation: An unusual number of failures of AN/GRC-122 equipment have been attributed to the teletype modem MD-522.

(b) Evaluation: The modem MD-522 has an internal DC power supply which produces the 60 MA required to operate the TT-98. Some sites are using TT-98's that also have a 60 MA power supply built-in. When the TT-98 and the modem MD-522, each producing 60 MA are connected together, capacitor C-12 in the modem's DC power supply is damaged.

(c) Recommendation: That all teletype equipment used in conjunction with the AN/GRC-122 or AN/GRC-142 either have the 60 MA power supply removed or have it turned off.

(2) Excessive Failure of Amplifier AM-3349:

(a) Observation: The power amplifier AM-3349 used in the AN/GRC-12 has a tendency to overheat and burn out.

(b) Evaluation: The tolerance allowed between the blower and the case wall is too small to allow free rotation of the blower once the case has been painted. Without the cooling provided by the blower, the equipment rapidly heats up and causes the components to break down.

(c) Recommendation: That the paint be removed from case wall in the vicinity of the blower in order to allow free rotation of the blower.

(3) Microwave Dishes:

(a) Observation: Microwave dish antenna can be used to up-grade AN/GRC-50 systems.

(b) Evaluation: Experimentation with a test shot between Tra Vinh and Vinh Long has shown that use of microwave dish antenna can be used effectively to decrease the noise level of AN/GRC-50 systems.

(c) Recommendation: That units having trouble with marginal AN/GRC-50 shots install microwave dishes at the terminals.
h. **Material:**

(1) **Improvement of 30 KW Holgar Generators:**

(a) **Observation:** The brass pin that secures the float in the day tank of the 30 KW Holgar generator has a tendency to wear and fall out causing the generator to be inoperative.

(b) **Evaluation:** The brass pin, being fairly soft, is easily worn by vibration caused during operation of the generator. The pin eventually falls out causing the day tank float to become inoperative and the generator to stop running.

(c) **Recommendation:** That these pins be removed and replaced with steel pins which, because of their hardness, will resist wear better and last longer.

i. **Others:** None.

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FREEMAN L. PENDLETON
LTC, SigC
Commanding

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SUBJECT: Operational Report - Lessons Learned of Headquarters, 52d Signal Battalion for Period Ending 31 October 1969, RCS CSFOR-65 (R2)

DA, Hqs, 2d Signal Group, APO SF 96491 22 November 1969

TO: Commanding General, 1st Signal Brigade, ATTN: SCCFW-OP, APO SF 96384

1. Subject report is forwarded in accordance with 1st Signal Brigade Regulation CCFVR 1-19, dated 12 July 1968 as changed.

2. The report has been reviewed and concurred in by this headquarters.

EDMUND D. ELAM
Colonel, SigC
Commanding
TO: Commanding General, United States Army Vietnam, ATTN: AVHOC-DST, APO 96375

1. Subject report is forwarded in accordance with AR 525-15.

2. The following comments are made:

   a. Reference item "New Generators", Para 11(4) Page 9: Generators require replacement at prescribed hours for rebuild or overhaul in accordance with TB 5-6100-201-15 date 24 Jun 68. Insufficient generators are being received in the command to replace on hand generators in the time frame prescribed in the Technical Bulletin.

   b. Reference item "Inadequate POL Support", Para 11(5) Page 9: The 52d Signal Battalion is organized under USASTRATCOM General Order 134 dated 1 July 1969. Current authorization documents only authorize the battalion one (1) Truck, fuel, service, 21/2 ton, LIN X57271. Previous authorization documents authorized:

   LIN   NOMENCLATURE          QTY
   X57271 Truck, tank, fuel, svc, 21/2T  2 each
   V15566 Tank, liquid storage 600 gal  55 each
   V19950 Tank unit, liquid disp 600 gal for TM  20 each

   Action is being taken to update authorization documents for fuel storage and handling equipment to provide adequate requirements.

   c. Reference item "Training", Para 2e, Page 10: This is a valid recommendation as a buddy system project. Commanders must exercise care in beginning projects requiring English speaking capability on the part of the ARVN personnel. Formal training programs monitored by Brigade always specify that trainees must be English Language qualified.

   d. Reference item "Excessive failure of Modem MD-522", Para g(1), Page 10: Concur with the recommendations. Para 2-18, TM 11-5815-334-35. DS, GS and Depot Maintenance Manual Radio Teletypewriter Sets AN/GRC-142 and AN/GRC-122 dtd Dec 1967 is quoted. "A teletypewriter loop is a DC series circuit with the teletypewriter send and/or receive circuits connected in series with a DC source. The MD-522(*)/GRC is used as the DC source in the AN/GRC-142 or the AN/GRC-122*. When using the AN/UQC-4 (a TT-98 with built-in power supply PP-976/PG) the internal DC power source should be bypassed to preclude damage to components in the MD-522(*)/GRC.
e. Reference item "Excessive Failure of Amplifier AM-3349", Para 2g(2): Concur with the recommendations. Maintenance personnel should insure that accumulations of dirt and dust on the case walls and fan blades are not the primary source of the problem. If not, an Equipment Improvement Recommendation (EIR) should be submitted to the National Maintenance Point in accordance with para 3-7.4 TM 38-750. As an interim measure the recommended solution appears adequate.

f. Reference item "Microwave Dishes", Para 2g(3) Page 11: In the event microwave dish antennas are used to upgrade AN/GRC-50 systems, normal logistics accounting procedures, i.e. hand receipts and property books should be utilized to insure that (1) the location of the AN/GRC-50's original antenna is known at all times and (2) that the location of the equipment the microwave antenna comes from is known when it becomes necessary that the equipment be married up again.

g. Reference item "Improvement of 30KW Holgar Generator", Para 2h(1), Page 12:

(1) There have been no previous reports of failure of the brass pin that secures the float in the day tank of the 30 KW Holgar generator.

(2) An EIR (Equipment Improvement Recommendation) should be submitted recommending that the brass pin be replaced with a steel pin.

FOR THE COMMANDER:

T. E. Mullenhuis
LTC, AG
Adjutant General

CF:
Commanding General, United States Army Strategic Communications Command, ATTN: SCC-OPS-RT, Fort Huachuca, Arizona 85613
Commanding Officer, 2d Signal Group, APO 96491
Commanding Officer, 52d Signal Battalion, APO 96215
AVBC--DST (31 Oct 69) 3d Ind

SUBJECT: Operational Report - Lessons Learned of Headquarters, 52d Signal Battalion for Period Ending 31 October 1969, ROS CSPOR-65 (R2)

HEADQUARTERS, UNITED STATES ARMY, VIETNAM, APO San Francisco 96375 8 JA

THRU: Commanding General, United States Army Strategic Communications Command-Pacific, APO 96557

TO: Commander in Chief, United States Army, Pacific, ATTN: GPOP-DT, APO 96558

1. This headquarters has reviewed the Operational Report - Lessons Learned for the quarterly period ending 31 October 1969 from Headquarters, 52d Signal Battalion and comments of indorsing headquarters.

2. Comments follow:

   a. Reference item concerning "ARMN - DTE Buddy System Training", page 10, paragraph 2e(1) and 2d Indorsement, paragraph 2c; nonconcur. Having English speaking students would be helpful, but will train very few Vietnamese. Of far greater impact would be a short formal school as a brush up on electronic fundamentals and a full formal course in DTE theory of operation prior to attempting OJT. Follow up OJT should consist of an American, well versed in the work, a student interpreter and three to four Vietnamese students working as a team.

   b. Reference item concerning "Interchangeability of Actuator, Generator", page 10, paragraph 2f(1); nonconcur. Although the physical configuration of the actuators can be arranged to permit interchange of 15 kw to 30 kw sets, differences in the electrical balance circuitry are not off-set by this change. This problem is now under study by the US Army Mobility Equipment Command. When data is received on this matter, a more detailed reply will be furnished.

   c. Reference item concerning "Excessive failure of Modem MD-522", page 10, paragraph 2g(1) and 2d indorsement, paragraph 2d; concurs. Radio sets AN/GRC-122 and AN/GRC-142 are issued with 2 ea. TT-98. These teletype-writers do not have an internal DC power supply when issued in this configuration. Extra care should be taken to insure that in the event of having to replace TT-98's a check is made to see if an internal DC power supply is installed. It should be removed prior to operation.
d. Reference item concerning "Improvement of 30 kw Holgar Generators", page 12, paragraph 2h(1) and 2d Indorsement, paragraph 2g; nonconcur. The problem was caused by improper connection between the day tank float pin and the float hinge. This problem has been corrected and there is no requirement for replacement of the hardened brass pin.

FOR THE COMMANDER:

[Signature]

C. E.
MAJ. FURR
Asst. Adjutant General
SCCP-OP3 (31 Oct 69) 4th Ind (C)
SUBJECT: Operational Report - Lessons Learned of Headquarters 52d Signal Battalion for Period Ending 31 October 1969, RCS CSFOR-65 (R2) (U)

Headquarters, United States Army Strategic Communications Command-Pacific, APO San Francisco 96557 14 FEB 1970

TO: Commander in Chief, United States Army, Pacific, ATTN: GPOP-DT, APO 96558

1. (U) Subject report is forwarded in accordance with AR 525-15.

2. (C) This headquarters has reviewed subject report and offers the following comments:

   a. Reference paragraph 2e(1), page 10, basic report; paragraph 2c, 2d indorsement; and paragraph 2a, 3d indorsement. The "Buddy System" of training, as now in operation, is an informal and independent undertaking of the 1st Signal Brigade. A formal training plan has been developed by the 1st Signal Brigade. This plan is structured into three phases: (1) English language training; (2) technical training; and (3) OJT. As of 4 February 1970, USARPAC has tasked USARV with the responsibility of establishing the ARVN CE training in accordance with this plan. It is assumed that the formal training program will replace the informal "Buddy System" now in effect.

   b. Concur with the remainder of the report as indorsed.

FOR THE COMMANDER:

FRANK C. MAHIN
COL, GS
Chief of Staff

CF: wo incl
CG, USARV, APO 96375
CG, 1st Sig Bde (USASTRATCOM), APO 96384
CO, 2d Sig Gp (USASTRATCOM), APO 96491
CO, 52d Sig Bn (USASTRATCOM), APO 96215

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CONFIDENTIAL
SUBJECT: Operational Report of HQ, 52d Signal Battalion for Period Ending 31 October 1969, ECS CSPOR-65 (R2) (U)

HQ, US Army, Pacific, APO San Francisco 96558 19 FEB 70

TO: Assistant Chief of Staff for Force Development, Department of the Army, Washington, D. C. 20310

This headquarters concurs in subject report as indorsed.

FOR THE COMMANDER IN CHIEF:

D. A. TUCKER
CPT, AGC
Ass't AG

CF:
DA, ACFOR
CC, USASTRATCOM-PAC
52D SIGNAL BATT/ALION
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31 OCTOBER 1969

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    - MOC HOA
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    - CAO LANH
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Operational Report - Lessons Learned, HQ, 52d Signal Battalion

Experiences of unit engaged in counterinsurgency operations, 1 Aug 69 to 31 Oct 69.

CO, 52d Signal Battalion

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