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AUTHORITY

AGO D/A ltr, 29 Apr 1980

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AGAM-P (M) (2 May 67) FOR OT 6/70154

1. Forwarded as inclosure in Operational Report - Lessons Learned, HQ, 58th Transportation Battalion for quarterly period ending 31 January 1967. Information contained in this report should be reviewed and evaluated by Comptroller in accordance with paragraph 6; of AR 1-19 and by CONARC in accordance with paragraph 6c and d of AR 1-19. Evaluations and corrective actions should be reported to ACSFOR OT within 90 days of receipt of covering letter.

2. Information contained in this report is provided to the Commandants of the Service Schools 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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THRU: Commanding Officer
34th General Support Group (A&S)
APO 96307

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

Section 1, Significant Organization or Unit Activities.

1. Management review conducted during the last quarter (reference ORLL this headquarters, period ending 31 October) produced tangible results during this quarter. Improvements in supply response, management techniques and stockage position were noted.

   a. Materiel Requirements Division:

      (1) A study isolating high due-out to customers was refined to become monthly management output. This study initially selected lines with 20 or more due-out as a criterion for selection. Receipt of interchangeability and substitutability (I & S) data from the National Inventory Control Point with which the Aviation Materiel Management Center (AMMC) has most contact and systematic screening of advice for changes in FSN allowed numerous releases to be made from substitute items on hand. Concurrently, the due-in requisitions were followed-up by message stating the effects in RVN caused by non-receipt of these parts. Within 30 days of the initiation of the first study, over 20% of the high due-out lines no longer qualified as problem lines under the selection criterion. Continuing study of high due-out has further reduced the total number of lines due-out and total quantities of due-out requisitions.

      To supplement the critical lines which were causing deadlined-for-parts conditions, the Red Ball Expanded (RBE) system was instituted. This system, as implemented by the AMMC, requisitions only manager selected items meeting NORS/EDP possible condition as a result of the zero balance condition. Only quantities sufficient to satisfy the safety level are ordered for these items. The impact of this system on reduced EDP/NORS rates is not known at this time.

      (2) Efforts to integrate increased, machine produced, managerial data have been highly successful. By introduction of the UNIVAC 1105, coupled

Incl 1
with additional systems analysis, greater capability now exists to produce
data which can be readily utilized by all managers (see subparagraph e below).

b. Stock Accounting Division:

(1) A programmed 100% reconciliation was attempted during the
past quarter. This initial effort was worthwhile to establish a relative
position in terms of due-in. This reconciliation must occur on a quarterly
basis (par 4-18, AR 725-50) in order to completely purge the supply system of
invalid requisitions and unnecessary items of supply. Cancellation action
affected by this agency was significant. Requisitions that bore Julian dates
as early as 1962 were finally purged from supporting supply activities' files.

(2) During the early part of the quarter, it became apparent
that numerous substitute issues were being made by Okinawa and CONUS supply
sources as noted by the magnitude of items received but not due-in (D-6
Transactions). The D-4 (receipts due-in) deck reflected due-in which had,
in fact, been fully satisfied by the supplies. The one constant factor on
supply documents, the document identification number, becomes the control factor.
Each receipt document is now processed by document number revealing that num-
berous substitute issues are being made. This information, in turn, is being
entered into the Catalog Branch cross reference files. Appropriate action is
taken to properly reduce the due-in on the prime number.

(3) Efforts to improve catalog data have continued. All sources
are being screened for applicable interchangeable and substitute data.
USAMC has been helpful in providing the AMMC with an I&S dock. Listings
from USAREUR and USFORCOM have also been keypunched and listed. As receipts
are matched against the D-4 dock and unit of issue or FSN changes appear, or
whenever advice is received stating a substitute item is being supplied, this
information is used to update the Catalog data files providing an ever increas-
ing data bank of substitute and interchangeable numbers. This data is integrat-
ed into the AMMC Supply Catalog which shows the primary information on a FSN
which Direct Support Units, in-country, have on their Authorized Stockage List
(ASL) with all known sub-to-primary, primary-to-sub, current-to-former and former-
to-current information. This has allowed both the AMMC and DSU's to make
appropriate substitute releases against customer requirements. These releases
were formerly made by manual methods, but during the next quarter they will
be made automatically as a result of the machine cycle.

(4) Operation "Red Leaf". The transfer of CV-2/CV-7A aircraft from
the Army inventory to US Air Force was conducted during the report period.
The AMMC was directly involved in the transfer of CV-2 assets from AMMC stocks to
the Air Force facility at Can Tho (FB 5275). Earlier planning conferences
had prepared the basic plan for transfer of the aircraft. A joint Seventh Air
Force - USAF Logistics instruction was published which specified the procedures
by time phase. The AMMC supply portion (Incl-1) was implemented on schedule.
The one attributable factor to the successful transfer of repair parts was the
detailed prior planning that occurred at user (7th Air Force - USAF) level.
The initial shipment consisted of approximately 250 short tons of spare parts
which represented all CV-2 peculiar assets on hand. Concurrent with the initial
transfer, locator cards were merged into the locator listing used on the receiving
line. This action caused all CV-2 peculiar items received to be flagged
for immediate transshipment to the Air Force.
c. Storage Division:  NOT REPRODUCIBLE

(1) Facilities improved significantly during this report period (Ref ORLL, this Hqs, dated 15 Aug 66 for period ending 31 Jul 66). The completion of 50% of the open storage with pierced steel planking permitted consolidation of open storage items into a firm base suitable for all-weather operations. Completion of an aircraft taxiway will permit direct delivery from open storage to AMC allocated air transportation reducing congestion at the aerial port and permit more rapid delivery to customers. Construction completion of three new warehouses allowed the establishment of 20,500 locations reducing the overcrushed conditions previously experienced. Additionally, selected items, which of necessity had been stored outside, were consolidated inside. By construction of concrete runways between warehouses, the efficiency of the warehouse was greatly improved and wear on MEI was reduced. Upon completion of one additional warehouse, all major covered storage projects will be complete for the AMC's Saigon Depot.

(2) A location survey was initiated during this quarter. This survey was the first wall-to-wall location program to be followed by a 100% inventory. Procedures established the master locator desk to be located in the machine room. As adds or deletes are made to the locator file, this information is manually entered on AMC Form 1381 and a copy is inserted in the warehouse "convenience" file. The original is forwarded for keypunch and insertion in the master desk. A duplicate copy of the punched card is sent to the warehouse where it is compared for accuracy and completeness with the manual copy and, if correct, the punched card is inserted in the "convenience" file. This system has proven to be highly successful in insuring all location documents are entered in the locator file. Programs are established to conduct a semi-annual 100% location survey.

d. Maintenance Division: Development of a cross-reference system for aircraft inventory was developed during this quarter. Large turnover in aircraft between units and maintenance activities as a result of extensive maintenance requirements, losses as a result of battle damage and turn-in of aircraft for modernization in CONUS created problems in properly controlling the location of the entire aircraft fleet. In order to reconcile aircraft assets and provide a cross check on the Da 1352, Army Aircraft Flying Time and Status Report, a monthly reconciliation program was developed. The new system now provides rapid reconciliation and correction of any discrepancies and reflects true theater assets.

e. Plans, Analysis and Operations Division:

(1) Efforts continued to maximize the capabilities of the UNIVAC 1005. Early in the report period, all standard IBM 407 procedures were converted to and placed on the 1005 system. Having developed these programs and programmer experience, more sophisticated output was possible. Major effort was expended to develop a new transaction cycle to correct a known deficiency—the inability to effect substitute issues by machine for prime items on a routine basis. This cycle, when implemented, will permit substitute assets on hand to be released on a daily basis.
Managerial assistance was provided through development of the systems analysis element. The efforts expended were geared to integrate multiple requirements into single machine output. Through negotiation with various commodity managers and study of requirements, present and future, the number of one-time studies decreased drastically with concurrent saving in machine time.

f. Special Managed Items Branch: The USAF Aviation Special Managed Items program was implemented 1 January 1967. Special Managed Items are items of high dollar value and are usually in short supply world-wide. This program pre-positions AMC stocks at the direct support unit based on aircraft density. Stock control remains with the AMC and only Non-Operationally Ready Supply (NORS) EDP requisitions may be filled by the DSU from these stocks. Time before overhaul (TBO) requisitions are filled from stocks available at the AMC storage facility. NORS (EDP) shipping time is reduced with concurrent centralized control applied to these critical assets. Continued emphasis on in-country management of critical items has resulted in additional assets being repaired in country and more rapid return to CONUS of reparables beyond theater repair capability.

2. Summary of Supply Activities:

a. Stockage List: On 1 November 1966, the Authorized Stockage List contained 30,915 line items (21,565 Aviation, 1,363 Armament and 7,987 Avionics). By the end of the report period the SL reflected 30,888 line items (20,750 Aviation, 2,278 Armament and 7,861 Avionics). Demand accommodation remained near the managerial goal of 85%.

b. Zero Balance: Zero balances of SL lines had decreased from 24.5% on 1 November to 18.5% by 31 January. The accounting of substitute assets on hand against prime zero balance cannot be done at this time because of present systems limitations. The sub-for-prime issue program, when implemented (estimate 1 March 1966), will reflect true zero balance at a lower level by substitute accountability under prime numbers.

Section II. Commander’s Observations and Recommendations.

Part I Observations (Lessons Learned).

1. PERSONNEL: Omitted.

2. OPERATIONS: Omitted.

3. TRAINING AND ORGANIZATION: Omitted.

4. INTELLIGENCE: Omitted.

5. LOGISTICS: Omitted.

COST REDUCTION

Item: Reduction of procurement and shipping costs.
Discussion: The US army aviation Materiel Command periodically furnishes this agency with a listing of all dues-out being held at USAAVCOM for units stationed in South Vietnam. Review of these listings has resulted in significant savings. If a line item is non-demand supported fringe stock and stock is not on hand, the requisitions for that item are passed to the next higher supply source. If, subsequent to AMC passing the requisition, another unit makes a serviceable turn-in of the same line item, it is extremely difficult to combine both of those actions. By receiving the dues-out list from AVCOM and comparing against current known assets, action can be taken to fill customers' requirements and effect cancellation action with the CONUS supply source. Savings of $134,896 were made during this report period on passed requisitions for which assets were on hand.

Observation: Periodic dues-out listings/cards coupled with reconciliation action from all supply sources will provide management tools necessary to reduce cost and provide better customer fill of stock.

REQUISITIONING PROCEDURES

Item: Direct requisitioning for aircraft systems.

Discussion: The Aviation Materiel Management Center direct requisitions on USAAVCOM for UH-1 and CH-47 peculiar parts. This system bypasses any intervening supply source. Response time has been greatly increased and reflects favorably on the ability of USARV to maintain proper repair support of aviation units. Pipeline time is reduced and current demand information is placed on the NICP indicating supply trends as a result of combat operations.

Observation: That direct requisitioning bypassing all intervening supply sources permits rapid response to RVN requirements and provides the NICP with current data on demands from a combat theater.

STOCK ACCOUNTING

Item: Periodic Reconciliation.

Discussion: With the volume of transactions processed daily by major supply activities, and progressive losses as a result of communications, card handling, and other errors, the accuracy of data maintained by all supply accounts will decrease over time. Periodic reconciliation will permit adjustment of the account and reflect problem areas which require corrections. Continuing reconciliation procedures are necessary to insure that required stocks are currently on order and requisitions for stock no longer required are cancelled.

Observation: That a quarterly reconciliation in accordance with AR 725-50 be conducted by all supply activities.

UNKNOWN DAMAGE

Item: Parts damaged in shipment which do not show as a result of exterior inspection.
Discussions: Certain aircraft parts and components, when subjected to shock, such as dropping or bumping, may be damaged to the extent of being rendered unsafe for installation, yet may not show exterior damage. Examples are turbine engines or transmissions which are in metal containers. Occasionally, mounting brackets inside containers are found broken when container is opened for inspection or component installation. The extent of damage to the interior of the component (shaft, gears, bearings, etc.) is unknown.

Observation: Components or parts which are subject to damage by shock should be mounted on crush washers or strain devices which will indicate whether acceptable shock loads have been exceeded in transit. This would preclude installation of possible unsafe components or parts.

Part II, Recommendations.

1. PERSONNEL: Omitted.
2. OPERATIONS: Omitted.
3. TRAINING AND ORGANIZATION: Omitted.
4. INTELLIGENCE: Omitted.
5. LOGISTICS:
   a. That a quarterly reconciliation be conducted by all supply activities.
   b. That a device(s) be designed to show whenever a component/part has exceeded allowable shock limitation when in transit.

   [Signature]
   JOHN T. SCHNEIDER
   LTC, TC
   Commanding

This Headquarters concurs with this report.

LUTHER J. JONES JR
Colonel, TC
Commanding
AVHGO-DH (15 Feb 67) 2d Ind
SUBJECT: Operational Report Lessons Learned for the Period Ending
31 January 1967 (RCS CSFOR-65)

HEADQUARTERS, UNITED STATES ARMY VIETNAM, APO San Francisco 96307

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

1. This headquarters has reviewed the Operational Report-Lessons Learned for the period ending 31 January 1967 from Headquarters, 58th Transportation Battalion (AM&S) (AMMC) as indorsed.

2. Pertinent comments are as follows:
   a. Reference Paragraph 5, Part I, Section II, Page 5, and Paragraph 5a, Part II, Section II, Page 6, pertaining to periodic reconciliation: Concur. This headquarters has dispatched messages to USARPAC and 2d Logistical Command requesting periodic reconciliation with 2d Logistical Command. In addition, this headquarters recently requested of USAMC periodic reconciliation with CONUS National Inventory Control Points.

   b. Reference Paragraph 5, Part I, Section II, Page 5 and Paragraph 5b, Part II, Section II, Page 6, concerning parts damaged in shipment: Concur with comments; non-concur with reporting procedure. Upon receipt of cargo damaged or apparently rendered unserviceable or unsafe due to packaging, AR 700-58 requires submission of DD Form 6 to inform the shipping activity of the damage. The shipping activity is responsible to take necessary action to improve packaging as required to eliminate damage. There is no indication that the 58th Transportation Battalion has submitted DD Form 6 for damaged cargo.

FOR THE COMMANDER:

[Signature]

STAN[...]

Major

Asst Adjutant General

2 Incl
nc
SUBJECT: Operational Report—Lessons Learned for the Period Ending
31 January 1967 (RCS CSFOR-65), Hq 56th Trans Bn (AM & S) (AMAC)

HQ, US ARMY, PACIFIC, APO San Francisco 96558

2 APR 1967

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

1. This headquarters concurs in the basic report as indorsed.

2. Reference paragraph 2a, 2d indorsement:

   a. A reconciliation of dues-in was accomplished between USARV and 2d Logistical Command and between 2d Logistical Command and USAAVCOM (NICF) during December 1966-January 1967. Future reconciliation efforts are planned on a quarterly effort.

   b. In January 1967 a five-man team from USAAVCOM arrived in Vietnam to provide instructions and assistance to unit (PLL) and Direct Support (ASL) activities for 90 days on supply procedures and maintenance of prescribed Load Lists and Authorized Stockage Lists. This team provided such valuable assistance that USAAVCOM will provide a 3-man team, scheduled to arrive in May 1967, for one year to continue instructing unit personnel in aviation supply procedures.

FOR THE COMMANDER IN CHIEF:

2 incl

[Signature]

R. COOPER
CIT, AG
Asst AG
"Operation Headleaf"

Spare Parts Transfer Procedures

1. **AVO/TCTO Kits:**

   a. **AMNC** Direct Support Companies and General Support Companies will accomplish a physical inventory of AVO/TCTO Kits prior to preparation of shipping/transfer documents.

   b. One copy of all DD Forms 1348-1 shipping document will be forwarded to 58th Transportation On **AMNC** (AVGR-P-K), and one copy to Hq 7th IF (Di 3).

   c. The action in paragraph 1a and 1b will begin on 10 Dec 66 and end 31 Dec 66. Identical documentation will be forwarded on any kits located and transferred after 31 Dec 66.

2. **Requisition Procedures:**

   a. AMNC will cancel dues out for CV-2 peculiar spare parts, except EDP requisitions, by 10 Dec 66.

   b. AMNC will cancel dues in for CV-2 peculiar spare parts except EDP/NGPS requirements by 10 Dec 66.

   c. Direct Support Companies will requisition aircraft maintenance requirements on a "fill" or "kill" basis beginning on 1 Dec 66 and ending on 12 Dec 66. Only EDP requirements will be requisitioned after 12 Dec 66.

   d. AMNC will transship all CV-2 peculiar spare parts received after 15 Dec 66 to FB 5275. This action will continue until 30 Jun 67.

   e. Direct Support Companies will return all CV-2 peculiar spare parts received after 31 Dec 66 to AMNC.

   f. AMNC will cancel all EDP dues out beginning on 31 Dec 66. Air Force squadrons will then requisition requirements on 1 Jan 67, using appropriate priority and initiating appropriate reporting (FM 65-110).

3. **Transfer of Stocks:**

   a. 7th Air Force and AMNC will determine percentage of common items in AMNC stocks to be transferred to Air Force control. This action will commence upon receipt of this document.

   b. AMNC will prepare programs for computation of quantities of common items in AMNC stocks to be transferred to the Air Force. This action will commence upon receipt of this document and end by 11 Dec 66. This action will include assets above safety level.

   c. AMNC will prepare shipping documents for CV-2 peculiar and common repair/spare parts. This action will be completed by 12 Dec 66.

Incl I
d. /IJLC will prepare repair parts for air shipment and move them to
sailport by 15 Dec 66. 7th Air Force will arrange for air shipment to FB
5275 on 16 Dec 66.

e. US Army CV-2 companies will select items from PLL and Direct
Support Detachment ISL and build up Turn around Support Kits (TI.SK) beginning upon receipt of this document. 7th AFR will provide TASK list for this
purpose. This action will be completed by 31 Dec 66. In the event that
TI.SK items are not available from PLL's and ISL's, they will be requisition-
ed from Army Direct Support Company on a "fill" or "kill" basis. This action
will be accomplished without delay. The remaining TI.SK requirements will be
submitted to FB 5275 by 10 Dec 66.

f. Air Force squadrons will ship material excess to 90 days TI.SK
authorization to FB 5275 between the period 1 Jan 67 to 1 Jan 67. A specific
schedule will be provided by 7th Air Force before 31 Dec 66.

g. Spare parts peculiar to CV-2 aircraft on hand in Direct Support
Companies (ISL) will be transferred to CV-2 squadrons on 31 Dec 66. Specific
CV-2 squadrons will be designated to accomplish transfer by 7th Air Force (IJLC).

h. Avionics General Support Platoons will transfer CV-2 peculiar re-
pair parts and components to Air Force Squadrons on 31 Dec 66.

i. CV-2 peculiar repair parts in General Support Company shop stocks
will be returned to IJLC upon transfer of last CV-2 aircraft to Air Force.
These spare parts will be available to the Air Force for EDP/NORS conditions.

j. Special tools and equipment peculiar to CV-2 aircraft on hand at
IJLC will be transferred to FB 5275 beginning on 15 Dec 66 and ending on 30 Jan 67.

4. Lateral Support Procedures:

a. AMMC will request lateral support from FB 5275 for EDP/NORS requirements beginning on 1 Dec 66 and ending 31 Dec 66.

b. During the period 1 Jan 67 through 30 Jan 67, FB 5275 will re-
quest lateral support from IJLC for EDP/NORS requirements for common items.

c. During the period 1 Jan 67 to 28 Feb 67, IJLC will ship to zero
balance for CV-2 EDP/NORS-G requirements. From the period 1 Mar 67 to 30 Jun 67,
IJLC will ship to safety level only for CV-2 EDP/NORS-G requirements.

5. Management Data Actions:

a. 7th Air Force will provide CV-2 full range spare parts card deck to
IJLC.

b. IJLC will match full range card deck to item records to determine
common items stocked that are applicable to CV-2. IJLC will provide stock level
data to 7th Air Force DnSH (card decks and listing).
c. 312NC and 7th Air Force will insure coordinated transfer of technical manuals applicable to CV-2 aircraft and maintained by 312NC.

d. Army and Air Force supply supervisors at company level will jointly prepare listing of repair parts transferred. DD Form 1149 will be used as a cover sheet to document the transfer. Listings will include only those quantities transferred on 31 Dec 66. Listing format will be stock number, part number (if available), noun, serviceable quantity, and repairable quantity.
Operational Report - Lessons Learned, HQ, 58th Transportation Battalion

Experiences of unit engaged in counterinsurgency operations 1 Nov 66 to 31 Jan 67.

CO, 58th Transportation Battalion

February 1967

N/A

N/A

DA, OACSFOR, Washington, D.C. 20310