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Pamphlet 700–27**

Logistics

Instructions for Basis of Issue Plan Feeder Data Submissions

**Headquarters
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10 August 2020**

UNCLASSIFIED

SUMMARY of CHANGE

DA PAM 700–27

Instructions for Basis of Issue Plan Feeder Data Submissions

This pamphlet is certified current as of 10 August 2020. Aside from the following administrative changes, no other changes were made to certify the currency of this pamphlet—

- o Updates Department of the Army signature authority and history statement (title page).
- o Updates website for the basis of issue plan feeder data process (para 2–3*h*).
- o Updates the database and website for the basis of issue plan feeder data process (para 2–3*g*).
- o Removes reference to the Logistics Information Warehouse website (para 3–37*f*(2)).
- o Removes references to PowerLog, Post Fielding Support Analysis, and Web Logistics Integrated Database (formerly paras 3–37*f*(3), 3–37*f*(4), and 3–37*f*(7)).
- o Removes erroneous process information (para 3–38).
- o Updates references (app A).
- o Updates glossary.
- o Changes Standard Study Number-Line Item Number Automated Management and Integrating System to Cloud Equipping (throughout).
- o Changes Logistics Information Warehouse to Cloud Equipping (throughout).
- o Changes U.S. Army Logistics Support Activity to Logistics Data Analysis Center (throughout).
- o Changes Web Logistics Integrated Database to Army Programming, Budget, and Execution system (throughout).

Logistics

Instructions for Basis of Issue Plan Feeder Data Submissions

By Order of the Secretary of the Army:

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basis of issue plans used in the force development process. It is used in conjunction with guidance outlined in AR 71–32 and AR 700–127.

Applicability. This pamphlet applies to the Regular Army, the Army National Guard/Army National Guard of the United States, and the U.S. Army Reserve, unless otherwise stated.

Proponent and exception authority. The proponent of this pamphlet is the Assistant Secretary of the Army (Acquisition, Logistics and Technology). The proponent has the authority to approve exceptions or waivers to this pamphlet that are consistent with controlling laws and regulations. The proponent may delegate approval authority, in writing, to a division chief within the proponent agency, direct reporting unit, or field-operating agency in the rank of colonel or the civilian equivalent. Activities may request a waiver to this pamphlet by providing justification that includes a full analysis of

the expected benefits and must include formal review by the activity's senior legal officer. All waiver requests will be endorsed by the commander or senior leader of the requesting activity and forwarded through higher headquarters to the policy proponent. Refer to AR 25–30 for specific guidance.

Suggested improvements. Users are invited to submit comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to Assistant Secretary of the Army (Acquisition, Logistics and Technology) (SAAL–ZL), 103 Army Pentagon, Washington, DC 20310–0103.

Distribution. This publication is available in electronic media only and is intended for the Regular Army, Army National Guard/Army National Guard of the United States, and U.S. Army Reserve.

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Summary. This pamphlet provides procedures for developing basis of issue plan feeder data submissions to develop

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*This publication supersedes DA Pam 700–27, dated 30 November 2015.

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Glossary

Chapter 1 Introduction

1–1. Purpose

This pamphlet outlines the procedures necessary to carry out the policies contained in AR 71–32 and AR 700–127.

1–2. References and forms

See appendix A.

1–3. Explanation of abbreviations and terms

See the glossary.

1–4. Objective

The objective of this pamphlet is to provide step-by-step instructions and guidance to new and existing product support managers (PSM), basis of issue plan feeder data (BOIPFD) developers, and other subject matter experts on how to accurately prepare and submit DA Form 7751 (Logistics Integrated Database Basis of Issue Plan Feeder Data) packages for approval through the basis of issue plan (BOIP) process.

Chapter 2 Basis of Issue Plan Feeder Data Process and Data Elements

2–1. Purpose of the basis of issue plan feeder data

Developing the correct BOIPFD is the first step in the development of a BOIP. The DA Form 7751 is a compilation of information about a new or improved item of equipment. It contains requirements for the equipment's functions, capabilities, intended use, initial cost estimate, and basis of issue, personnel, and support requirements. The materiel developer (MATDEV) summarizes information obtained from validated requirements documents (RDs) and other sources, and then prepares and submits DA Form 7751 to initiate BOIP development. As the system matures or there are force structure changes, the MATDEV may need to amend the feeder data.

a. Upon receipt of an approved RD (either capability development document (CDD) or capability production document (CPD) and approved milestone decision), the MATDEV will initiate the DA Form 7751 information gathering process in preparation for submission to the U.S. Army Force Management Support Agency (USAFMSA).

b. Submit BOIPFD to USAFMSA within 60 days of the assignment of a developmental line item number (ZLIN).

2–2. Amendment of basis of issue plan feeder data

a. An amendment of BOIPFD is required when there is a functional change to the item being developed or there is an addition, deletion, or change of a Component Major Item (CMI), prime line item numbers (LINs), associated support items of equipment (ASIOE) and personnel, or training requirements. Revision of previous operator and maintainer information will require an amended personnel requirements entry to BOIPFD.

b. BOIPFD amendments follow the same staffing process as the initial submission.

c. USAFMSA will review amendments to determine necessary staffing requirements prior to publication of changes; for example, changes of significant portions may require a complete package to be developed and submitted to Headquarters, Department of the Army (HQDA) for approval.

d. The revision of previous operator and maintainer information require an amended personnel requirements entry to BOIPFD.

2–3. Basis of issue plan feeder data process flow

To assist with the development of DA Form 7751, figure 2–1 provides the process flow of developing, submitting, and approving the data.

a. The MATDEV initiates the development of DA Form 7751 data by compiling as much information as is available for each of the required data fields. Instructions for populating DA Form 7751 data fields are provided in chapter 3. See figure 3–1 for a sample DA Form 7751 (completed data submission). Primary documents used for BOIPFD are the CDD and/or CPD.

b. The PSM leads the BOIPFD efforts on behalf of the MATDEV. Additionally, the PSM will identify and notify key members to help with the preparation and development of the data.

- c. The PSM will request a ZLIN from Cloud Equipping (cQuiP).
- d. The PSM will host a kickoff meeting and assign tasks to the PSM integrated product team (IPT) members according to their area of expertise. The MATDEV will invite USAFMSA; the capability developer (CAPDEV); Deputy Chief of Staff (DCS), G-8 staff synchronization officer (SSO); and other stakeholders to assist. During the meeting, the PSM will schedule follow-on meetings and stay in touch with IPT members during the collection and assemblage of their data for use in preparing BOIPFD (DA Form 7751). PSMs are encouraged to use Defense Collaboration Services for hosting meetings, as this method is cost advantageous, and allows for shared viewing and work on documentation requirements. Visit <https://disa.mil/enterprise-services/applications/defense-collaboration-services> to establish an account and schedule meetings. A user account is required to access the system.
- e. The PSM initiates the development of the BOIPFD data by compiling as much information as is available until such time that the IPT members supply information to fill each of the data fields. Instructions for populating DA Form 7751 data are provided in chapter 3. See figure 3-1 for a sample DA Form 7751 (completed data submission).
- f. The PSM will designate the method and timelines to the product support manager integrated product teams (PSM IPTs) to populate and submit the BOIPFD (DA Form 7751). When the IPT convenes, each member will assist in ensuring the information provided is accurate and properly documented. As program documents mature, it may become necessary to make changes to the BOIPFD (DA Form 7751) prior to the PSM conducting a final review before releasing the data to USAFMSA for screening and acceptance.
- g. The PSM reviews completed data, checking for accuracy and completeness. This data is vetted to ensure it is current and the latest available information. The BOIPFD will be submitted using the cQuiP BOIPFD module located in the Army Programming, Budget, and Execution (cPROBE) system.
- h. Upon completion of the PSM review of the BOIPFD (DA Form 7751), the PSM will release the data to USAFMSA by uploading it into cPROBE system located at <https://cprobe.army.mil/> and notify the USAFMSA Standardization, Analysis and Integration Branch by email and/or telephone. A cPROBE account is required to access cQuiP to submit the BOIPFD captured on the DA Form 7751.
- i. Upon notification of posting the BOIPFD to cQuiP by USAFMSA, the Standardization, Analysis and Integration Branch will have 10 days to screen and staff the BOIPFD. By the end of the screening period, a decision will be made to accept or reject the submitted BOIPFD.
- j. During the document-screening period, USAFMSA will check for incorrect, missing, incomplete, or partial data and ambiguous or unclear information. Any of these items may be grounds for rejection by USAFMSA and may delay approval of the BOIP.
- k. At the end of the screening process, USAFMSA will either accept or reject the data. After the BOIPFD is accepted by USAFMSA, the MATDEV and IPT will continue to monitor the BOIPFD through the approval process and assist USAFMSA with additional information or support as required until such time as the BOIP is approved.
- l. If the BOIPFD is rejected by USAFMSA, USAFMSA will provide detailed findings for corrective action. The PSM will contact USAFMSA for guidance or instructions for making corrections and any additional information needed to continue processing the data. If rejected, the IPT will continue to develop the BOIPFD following the DA Form 7751 guidance and assist USAFMSA with additional information or support as required until the BOIPFD is accepted.

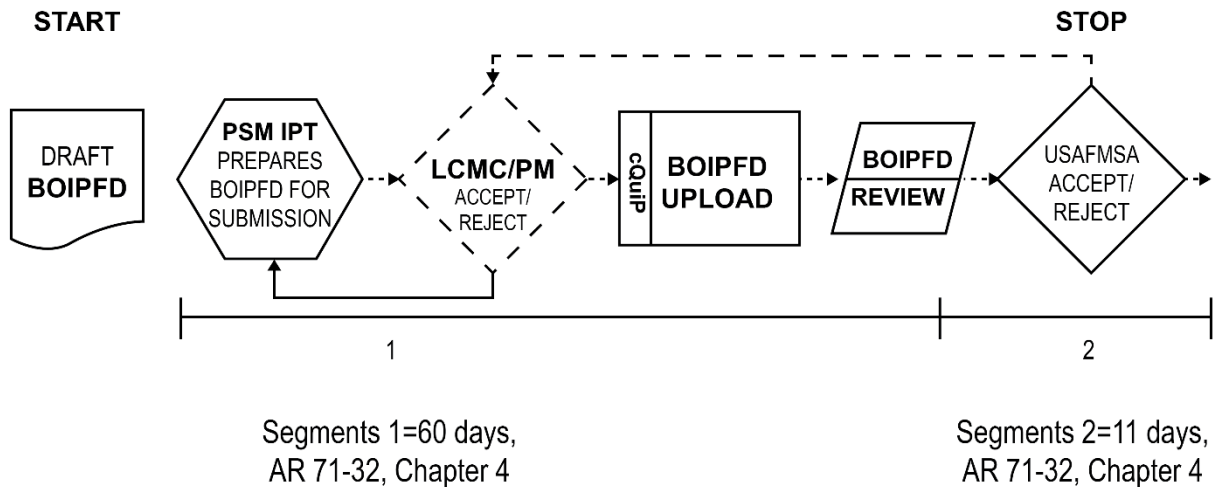
2-4. Required system documentation

In support of developing a BOIPFD submission, specific documentation will be required to prepare the DA Form 7751 and support the start-up IPT meeting. The documents required include—

- a. RD—
 - (1) Mission needs statement.
 - (2) Operational and organizational plan.
 - (3) Joint Service operational requirement (JSOR).
 - (4) CDD and/or CPD.
- b. System specifications and/or blueprints/drawings.
- c. Maintenance concept and maintenance allocation chart (MAC).
- d. Manpower and personnel integration data.
- e. Development milestones.
- f. New equipment training (NET) plan.
- g. Previous BOIP and/or DA Form 7751 (to include the previously approved BOIP, DA Form 7751, and BOIP for the item that will be replaced).
- h. Logistics management information data.
- i. Technical and nontechnical descriptions of the new prime LIN.

- j.* Electrical power requirements and projected power source.
- k.* List of CMI.
- l.* Nontechnical description of the LINs intended use.
- m.* Transportation required for the LIN (identify vehicles).
- n.* ASIOE required for operating, maintaining, and transporting the new item. Examples include—
 - (1) Power source (generator set, power unit, and so on).
 - (2) Air conditioning, heaters, environmental control units (ECUs).
 - (3) Stand-alone communications security (COMSEC) equipment (always ASIOE).
 - (4) Embedded controlled cryptographic item (CCI) (always CMI).
 - (5) Antennas, mast sections (if separately type classified).
 - (6) Power/signal distribution equipment (multiplexers, and so forth).
 - (7) Receivers/transmitters.
 - (8) Installation kits.
 - (9) Test measurement and diagnostic equipment (always ASIOE).
 - (10) Standard tool kits (always ASIOE).
 - (11) Vehicles.
 - (12) Trailers.
- o.* Level of use for ASIOE.
- p.* Petroleum, oils, and lubricants consumption rate and data (if petroleum, oils, and lubricants consuming prime LIN).
 - q.* Power generator data (if an electrical power producing prime LIN).
 - r.* Physical data.
 - s.* Power consumer data (if an electrical consuming prime LIN).
 - t.* Power amperage data.
 - u.* Air transportability data.
 - v.* Power generator data.
 - w.* Maintenance concept.

Basis of Issue Plan Feeder Data (BOIPFD) Process



Process Steps:

1. PM prepares draft of BOIPFD
2. PSM IPT reviews/modifies draft BOIPFD, coordinates and prepares submission to USAFMSA
3. LCMC/PM may conduct final review prior to submission
4. LCMC/PM submits BOIPFD to cQuiP
5. PM releases data to USAFMSA for review once complete
6. USAFMSA reviews submission for completeness and correctness
7. USAFMSA accepts/reject data provides feedback for corrections when rejected

Notes:

1. Current start for Segment 1 is publication of approved ZLIN
2. For additional guidance on the BOIPFD process refer to the cQuiP module on cPROBE

Figure 2–1. Basis of issue plan feeder data process

2–5. Basis of issue plan feeder data development process procedures

Initial planning of the BOIPFD should be structured toward accumulating all the information necessary to describe the principal item, CMI, ASIOE, maintenance requirements, and military occupational specialty (MOS) personnel requirements associated with the introduction of the new equipment.

2–6. Basis of issue plan feeder data submission procedures

The DA Form 7751 is used to collect the BOIPFD, which is submitted for materiel and prime LINs that are going to be type classified standard in response to a U.S. Army Training and Doctrine Command (TRADOC) approved RD with an HQDA assigned Catalog of Approved Requirements Documents System (CARDS) number or a JSOR (with or without a CARDS number). The BOIPFD will be submitted using the BOIPFD module located in cQuiP.

- a. Installation kits for radios do not require a BOIPFD.
- b. Installation kits, for other than radios, require a BOIPFD.
- c. Limited procurement-urgent, low-rate initial production, limited procurement-test, low-rate production weapon systems, and prime LINs do not require submission or processing of BOIPFD, because these systems are not expected to result in a type classified standard system and, as a result, USAFMSA will not process them.

2-7. Planning timeline

Table 2-1 describes the responsible agent, activity, and recommended planning timeline.

Responsible agent	Activity	Timeline (work days)
CAPDEV	Approved capability document	+
Logistics Data Analysis Center (LDAC)	ZLIN issued	+
MATDEV	Assemble PSM IPT	60
PSM IPT	First meeting and task assignment	55
PSM IPT	Develop BOIPFD per task assignment	40
PSM IPT	Reviews all data elements	38
PSM IPT	Revises initial data per task assignment	23
PSM IPT	Reviews revised data elements	21
PSM IPT	Revises data per task assignment	11
PSM IPT	Final reviews of data elements for submission	9
MATDEV	Approves or disapproves BOIPFD	8
MATDEV	If BOIPFD is approved, submits BOIPFD to cQuiP	3
USAFMSA	Receives notification that BOIPFD submission into cQuiP is complete	0

Legend

Responsible agent: Organization or team chartered to exercise and complete the task.

Activity: Detailed description of the requirements contained within this task.

Timeline: Estimated work days to complete the task.

2-8. Summary of basis of issue plan feeder data instructions and responsible agencies

Table 2-2 provides a summary of DA Form 7751 data elements.

Block	Block title	Block description	Data owner
1	PRIME LIN	The LIN that pertains to the BOIPFD item listed in the generic nomenclature (GEN-NOMEN).	LDAC
2	GEN-NOMEN	This is the GEN-NOMEN and type designator, exactly as it appears, or will appear, in SB 700-20.	MATDEV
3	MIS CD	The major item system code (MIS CD) identifies a system via an alphanumeric code.	Life Cycle Management Command (LCMC)
4	SYS DESC	The system description (SYS DESC) is the nomenclature and type designation number, or other name/nomenclature/type designation number/or common name indicated by user.	CAPDEV/ MATDEV
5	BOIP-NO	The basis of issue plan number (BOIP-NO) is assigned after the initial BOIPFD is received and accepted by USAFMSA.	USAFMSA
6	TYPE SUBM	The type of submission (TYPE SUBM) for BOIPFD. Two entries are acceptable here, initial or amended.	MATDEV
7	AMND-NO	The amendment number (AMND-NO) for an amended BOIPFD only, the entries are 01-99. The 1st and 2nd digit numbers indicate the number of the amendment.	USAFMSA
8	MAT DEV STAT	cQuiP will automatically populate the MATDEV status code (MAT DEV STAT), which is the date the report is being run.	LCMC or USAFMSA

**Table 2–2
DA Form 7751 data elements—Continued**

Block	Block title	Block description	Data owner
9	STAT DATE	cQuiP will automatically populate the status date (STAT DATE), which is the date the report is being run.	LCMC or USAFMSA
10	EST. TC DATE	This block contains the estimated type classification date (EST. TC DATE) for TC standard for the equipment.	MATDEV
11	EST. FUE DATE	This is the estimated first unit equipped date (EST. FUE DATE) of the equipment.	MATDEV
12	EST. COST PROD MOD	Estimated cost production model (EST. COST PROD MOD) is the estimated cost of one production model.	Project Leader or Production Engineer
13	FUND STAT	Funding status (FUND STAT) indicates whether or not the project is funded or unfunded.	DCS, G–8
14	STANDARD STUDY NUMBER	DCS, G–8 assigns the standard study number.	DCS, G–8
15	APPROPRIATION AND BUDGET ACTIVITY	The account and budget activity code is a one character alphabetic or numeric code identifying the procuring appropriation. This code must be consistent with the supply category (SC) code (Block 19).	DCS, G–8
16	CARDS–NO	The Catalog of Approved Requirements Documents System numbers (CARDS–NOs) are distributed and maintained by DCS, G–3/5/7.	DCS, G–3/5/7 and TRADOC
17	APPROVED REQUIREMENTS DOCUMENTS	This is the approved RD title and the originating command or agency that supports the development. Note: Blocks a through d all apply to RD	Army Requirements Oversight Council/Joint Requirements Oversight Council
18	RIC	The routing identifier code (RIC) is found in SB 700–20 and indicates the LCMC responsible for managing BOIPFD.	LCMC
19	Supply Category	The SC is assigned by the PSM IPT using AR 708–1, SB 700–20, or the Army Master Data File (AMDF), Logistics Modernization Program (LMP), Federal Logistics (FEDLOG). The first digit represents the class of supply, while the second character indicates the type of commodity.	FEDLOG
20	PROPONENT CODE	This field represents the organization that supports the development of the BOIP.	LDAC
21	NET PLAN NO	The new equipment training plan number (NET PLAN NO) is the number of the NET plan.	MATDEV
22	TRAINING REQUIREMENTS	This block identifies the total training requirements for the BOIPFD item system fielding to include NET and sustainment training.	MATDEV/ TRADOC
23	DESCRIPTION (Functional Capability)	This describes the functional capabilities of the prime LIN and system interfaces with other systems (interoperability), as outlined in the RD or other system documentation.	CAPDEV/ MATDEV
24	PRIME USE (Nontechnical)	This describes the LIN's primary uses.	TRADOC
25	EMPLOYMENT	This describes the prime LIN's proposed methods of employment.	CAPDEV
26	BASIS OF ISSUE	This describes the prime LIN's proposed basis of issue.	TRADOC
27	PHYSICAL DATA	This captures the prime LIN and all components (both LIN and non-LIN) in its transportable mode, which may include packaging and crating materiel and/or vehicles, shelters, aircraft, watercraft, and so on. This data is used in conjunction with Block 29.	MATDEV
28	FUEL CONSUMPTION	This section must be completed if the prime LIN is a generator,	Combined Arms Support

**Table 2–2
DA Form 7751 data elements—Continued**

Block	Block title	Block description	Data owner
		vehicle, ECU, aircraft, or watercraft or uses any of these systems in its operation and consumes fuel.	Command (CASCOM)
29	TRANSPORTABILITY REQUIREMENT FOR THE PRIME LIN	This section must be filled out if the prime LIN is transportable by any mode of transportation—for example, fixed or rotary wing aircraft, rail, watercraft, or surface. Transportability remarks: List all modes of transportation that will accommodate your system. Note. Blocks a through f all apply to transportability.	CAPDEV
30	a. TRANSPORTER WEIGHT CAPACITY LIMIT (pounds (lbs)) b. TRANSPORTER CUBE CAPACITY LIMIT (cu ft)	a. This is the load weight capacity limit for items classified as transporters (for example, trucks, trailers, marine vessels, rail, and aircraft), measured in pounds. b. This is the load cubic capacity limit for items classified as transporters (for example, trucks, trailers, marine vessels, rail, and aircraft), measured in cubic feet (cu ft).	MATDEV
31	a. TACTICAL WEIGHT CAPACITY (TWV) (lbs) b. TACTICAL CUBIC FEET CAPACITY	a. This is the remaining weight limit of a tactical wheeled vehicle (TWV) after a system or shelter has been installed in or on the TWV. It is the amount of weight in pounds that can still be used to load other equipment or cargo without overloading the vehicle and is used only for LINs that use transportation platforms. b. This is the amount of cubic feet that can still be used to load other equipment or cargo into the vehicle without overloading the vehicle and is used only for LINs that use transportation platforms.	MATDEV
32	POWER CONSUMPTION DATA	This is the power consumption data, if available for LIN's that consume power during operation. Note. Blocks a through k all apply to power consumption data.	CASCOM/ MATDEV
33	POWER GENERATION DATA	This is the power generation data for prime LIN's that produce electrical power during operation (for example, a generator). Note. Blocks a through u all apply to power generation data.	CASCOM/ MATDEV
34	DPAMMH FOR Prime LIN	Direct productive annual maintenance man-hours (DPAMMH) is the maintenance-related man-hours information such as: the DPAMMH, MOS, and level of maintenance for the prime LIN. Note. Blocks a through m apply to DPAMMH FOR Prime LIN data.	CAPDEV/ MATDEV
35	COMPONENT MAJOR ITEMS (CMI)	This block lists all CMIs.	MATDEV
36	TOTAL DPAMMH FOR PRIME LIN AND COMPONENT MAJOR ITEM	This is an automatic computation performed by cQuiP, and is a summary of Block 34 prime LIN maintenance hours plus Block 35 CMI items maintenance hours with their ratio taken into account.	LDAC
37	OPERATOR (PRIME LIN)	a. Block 37a captures the number of operators required to crew or operate the prime LIN in a wartime environment. b. Block 37e captures the number of system administrators required to load, maintain, and update the systems software; in addition to, establishing, maintaining, and updating servers the prime LIN in a wartime environment.	TRADOC/ CASCOM
38	UNIQUE DUTIES, TASKS, AND CHARACTERISTICS NOT LISTED IN DA PAM 611–21	This is any unique duties, tasks, and characteristics that are required of the operator(s) or maintainer(s) in order to perform their mission function or tasks associated that are not already covered for the operator or maintainer of the prime LIN in DA Pam 611–21.	TRADOC/ CASCOM

**Table 2–2
DA Form 7751 data elements—Continued**

Block	Block title	Block description	Data owner
39	ASSOCIATED SUPPORT ITEMS OF EQUIPMENT (ASIOE)	This lists any item required for maintaining, transporting, or operating the prime LIN. Definition and criteria for ASIOE determination are in AR 71–32.	MATDEV
40	EQUIPMENT TO BE REPLACED	This block provides a list of equipment that is recommended for purging from a gaining unit's authorization document table of organization and equipment (TOE).	DCS, G–3/5/7 and DCS, G–8
41	POINT OF CONTACTS (POC)	This provides POC (organization, name, address, telephone number, email address) data for the following personnel: Combat developer MATDEV (PSM) BOIPFD data preparer MOS and maintenance man-hours preparer MOS preparer Maintenance man-hours preparer BOIP developer System Maintenance Support proponent (primary) System Maintenance Support proponent 2 System Maintenance Support proponent 3 System Maintenance Support proponent 4 DCS, G–8/Force Development Directorate of Integration DCS, G–8/SSO	PSM
42 through 46		The program office should not fill in these blocks. Leave these blocks blank for USAFMSA to fill in as required (see para 3–45).	

Chapter 3 Basis of Issue Plan Feeder Data Work Package Detailed Instructions

Section I

Header Information

3–1. CURRENT DATE

Leave this block blank. This will automatically populate. This is the date that the BOIPFD is prepared. Each time the PSM IPT orders a report from cPROBE, this date will change to reflect the current date of that report. The format for date is YYYY/MM/DD (10 characters maximum).

3–2. TIME

Leave this block blank. This will automatically populate when the package is prepared. Each time the PSM IPT orders a report from cPROBE, this time will change to reflect the current time of that report.

3–3. ACCEPTANCE DATE

Leave this block blank. This will automatically populate. The acceptance date will be posted to the BOIPFD after it has been transmitted to USAFMSA and they have accepted it for processing. The format for date is YYYY/MM/DD (10 characters maximum).

Section II

Block Instructions

3–4. Block 1–PRIME LIN

This prime LIN item number pertains to the BOIPFD item listed in Block 2 (GEN–NOMEN). If this is the initial submission, leave this blank. If this is an amendment, include the ZLIN or standard LIN. The MATDEV will obtain the ZLIN no earlier than Milestone B and upon receipt of an approved RD and standard study number. The cQuiP

system routes the ZLIN request to LDAC for the actual assignment of the ZLIN. ZLINS are tracked in cQuiP (six characters maximum).

3-5. Block 2-GEN-NOMEN

The MATDEV should submit an initial or amended DD Form 61 (Request for Nomenclature) to obtain an approved nomenclature and type designator number. The type designator number may be assigned a ZLIN if assigned early in life cycle of the system. Enter the GEN-NOMEN and type designator, exactly as it appears, or will appear, in the SB 700-20 (for example, Air Defense Command and Control System: AN/TSQ-73). The first 2-3 words must describe the item. The MATDEV should obtain a nomenclature via DD Form 61 prior to submitting BOIPFD. This nomenclature is entered in SB 700-20 at the time a ZLIN is assigned for initial submission. All subsequent submissions must use the nomenclature that is assigned in the SB 700-20. Once the GEN-NOMEN has been assigned to the BOIPFD and recorded in the SB 700-20 against the ZLIN, submit an approved initial or amended approved DD Form 61 along with a memorandum to change the GEN-NOMEN (64 characters maximum).

3-6. Block 3-MIS CD

The MIS CD identifies a system by an alphanumeric code and is assigned by the LCMC with primary responsibility for the defined system. In addition, it will be utilized to produce various output products for the BOIP process. It further provides a capability via cross-reference to other databases to access the procurement, asset, distribution, catalog, and cost data for major items (eight alphanumeric characters maximum).

a. Position 1=Commodity Manager Code: Select the code for the MATDEV with responsibility for the system (see SB 700-20).

b. Position 2=Type System Code: Use “W” for weapon system or “S” for support system.

c. Positions 3 and 4=Army Mission Area Code: See AR 710-1 to determine the entry. Enter the first two positions of the mission area code that best represents the mission of the overall system.

d. Positions 5 and 6=Generic Category Code: Use positions 4 and 5 of the Materiel Category (MATCAT) for this entry.

e. Positions 7 and 8=System Code: This is an alphanumeric code assigned by the MATDEV. Identifies the different configuration or groupings of equipment within the same generic category.

3-7. Block 4-SYS DESC

Enter the nomenclature, type designation number, other name, or common name indicated by user (such as Single Channel Ground and Airborne Radio System, Enhanced Position Location Reporting System, or Guardrail Common Sensor) (32 characters maximum).

3-8. Block 5-BOIP-NO

The BOIP number is assigned after the initial BOIPFD is received and accepted by USAFMSA. On an initial BOIPFD submission to USAFMSA, this field will contain not yet assigned (NYA) since assignment of the number is the responsibility of USAFMSA after acceptance of the BOIPFD. All subsequent submissions of the amended BOIPFD must have the BOIP number. The structure of the assigned number is as follows:

a. The first character is alphabetical and indicates the proponent school that is reviewing the BOIPFD.

b. The second, third, and fourth characters are numeric and are sequentially assigned.

c. The fifth and sixth characters are alphabetical and relate to the equipment family (such as, Single Channel Ground and Airborne Radio System, Enhanced Position Location Reporting System, or Maintenance Support Equipment).

d. Sources to locate the BOIP number include previous BOIPFD or contact USAFMSA at <https://fmsweb.army.mil> (six characters maximum).

3-9. Block 6-TYPE SUBM

Enter the type of submission for the BOIPFD. Two entries (initial or amended) are acceptable in this block: “Initial” or “Amended”. Although cPROBE will automatically populate this block, it should be filled out prior to submitting the BOIPFD (seven characters maximum).

3-10. Block 7-AMND-NO

For an amended BOIPFD, the entries are 01-99. The 1st and 2nd digit numbers indicate the number of the amendment. Although cPROBE will automatically populate this block this block should be filled out prior to submitting BOIPFD (two characters maximum).

3-11. Block 8—MAT DEV STAT

Leave this block blank. cPROBE will populate this code from the following list of MATDEV status codes (one character maximum):

- a. H=Hold at the LCMC.
- b. R=Released, LCMC released BOIPFD to USAFMSA.
- c. A=Accepted, USAFMSA has accepted BOIPFD for processing.
- d. D=Disapproved, USAFMSA has disapproved BOIPFD.
- e. S=Suspended, BOIPFD is in a suspended status (pending corrections, HQDA approval of the RD, or requirement being terminated) per the LCMC, USAFMSA, MATDEV, or PSM IPT.

3-12. Block 9—STAT DATE

Leave this block blank, cPROBE will populate this date. The format for the date is YYYY/MM/DD (10 characters maximum).

3-13. Block 10—EST. TC DATE

This block contains the estimated date for TC standard for the equipment and must be kept current with each succeeding submission of the BOIPFD. The MATDEV provides the estimated TC date. The estimated TC date for a ZLIN must be a future date that will allow for a BOIP to be approved by HQDA (minimum of 9 to 12 months) for an initial BOIPFD submission. Exceptions are items that have already achieved TC and those that have been granted a deferral. If the TC date has expired or the TC date will not meet the minimum of 9 to 12 months required for HQDA BOIP approval, then the date must be changed in cQuiP or an explanation must be provided in remarks Block 40s for an initial BOIPFD as per DA Form 7751 and an amendment or in an approved for staffing status. Tracking of the TC process can be viewed through the cQuiP system. The format for date is YYYY/MM/DD (10 characters maximum).

3-14. Block 11—EST. FUE DATE

This block contains the estimated first unit equipped (FUE) date of the equipment and must be kept current with each succeeding submission. The source for the FUE date is the MATDEV. This date is generally sometime after TC. If the FUE date has expired, the date should either be changed or an explanation must be provided in the remarks block (Block 40s) for either an initial or amended BOIPFD as per DA Form 7751. The format for date is YYYY/MM/DD (10 characters maximum).

3-15. Block 12—EST. COST PROD MOD

Enter the estimated cost of one production model. The cost of prototypes is not an acceptable entry as they are not the production models and the cost may differ significantly. Keep in mind that this may be an estimated cost if a production contract has not been awarded at the time of preparing the BOIPFD using DA Form 7751. If a contract has been awarded, then use the cost indicated by that contract. The cost is for one unit of production. This information can be obtained from the project leader or the production engineer. Enter the estimated cost of production for a single item of equipment for the principal item and components. Do not include research, development, test and evaluation (RDT&E) costs or ASIOE costs (nine characters maximum).

3-16. Block 13—FUND STAT

Indicate here whether or not the project is funded or unfunded. If the project is partially funded, enter funded. USAFMSA will only accept BOIPFD for funded programs. BOIPFD for unfunded programs will be disapproved by USAFMSA. A funded program is limited to procurement funding only, not RDT&E funds. The prime LIN for which the BOIPFD is prepared will likely have its own procurement budget line in the Program Objective Memorandum (eight characters maximum).

3-17. Block 14—STANDARD STUDY NUMBER

The DCS, G-8 assigns the standard study number. On all initial and amended submissions, ensure the standard study number is provided. The cQuiP system provides visibility of all assigned standard study numbers (11 characters maximum).

3-18. Block 15—APPROPRIATION AND BUDGET ACTIVITY

Appropriation and budget activity account codes are found in SB 700-20 and AR 710-1. The appropriation and budget activity account code is a one character alphabetic or numeric code identifying the procuring appropriation. This code

must be consistent with the SC code (Block 19). The appropriation and budget activity account code is the second position of the financial inventory and accounting code or MATCAT code (one character maximum).

3-19. Block 16-CARDS-NO

The CARDS number is distributed and maintained by the DCS, G-3/5/7. If the CARDS number has not been assigned the Commanding General, TRADOC must be contacted. Only the TRADOC POC can request the CARDS number from DCS, G-3/5/7. The BOIPFD will not be approved without an assigned CARDS number. Tracking of the CARDS process can be viewed through cQuiP (96 characters maximum).

3-20. Block 17-APPROVED REQUIREMENTS DOCUMENTS

Enter the approved RD title and the originating command/agency that supports the development. The RD document must be TRADOC and HQDA approved. Examples of RDs are listed in table 3-1. Other forms of RDs are acceptable but must be approved and assigned a CARDS number. "NYA" or "not applicable" is not an acceptable entry in this field. Only HQDA-approved RDs for acquisition categories (ACATs) 1 and 2 and TRADOC approved RDs for ACAT 3 and 4 programs will be accepted. Tracking the approval of the RD process is through the Joint Capability Integration and Development System (two lines maximum).

- a. *Block 17a: APPROVED REQUIREMENTS DOCUMENTS.* Name of approved RD.
- b. *Block 17b: DATE.* Enter the date the RD was approved by the authorized approving authority. The format for the date is (YYYY/MM/DD) (10 characters maximum).
- c. *Block 17c: AAO IN REQUIREMENTS DOCUMENT.* Provide the Army acquisition objective (AAO) per the RD.
- d. *Block 17d: OBJECTIVE TABLE OF ORGANIZATIONAL EQUIPMENT (OTOE), TACTICAL UNMANNED AERIAL VEHICLE (TUAV).* Enter the type code of approved RD from the following list of codes (five characters maximum).

Document	Type code
Required Operational Capabilities	ROC
Training Document Requirement	TDR
Letter Requirement	LR
Joint Operational Requirements	JOR
Joint Service Operational Requirements	JSOR
Matériel Need	MN
Qualitative Matériel Requirements	QMR
Small Development Requirements	SDR
Commercial Device Training Requirements	CDTR
Expedited Required Operational Capabilities	EROE
Quick Reaction Programs Documents	QRPD
Training Device Letter Requirements	TDLR
Technical Requirements	TR
Mission Needs Statement	MNS
Operational and Organizational	O&O
Justification Major Systems New Starts	JMSNS
Mission Element Needs Statement	MENS
Letters of Agreement	LOA
Training Device Letters of Agreement	TDLOA
Training Device Need Statements	TDNS
Other	Other
Initial Capabilities Document	ICD
Capabilities Development Document	CDD
Capabilities Production Document	CPD
Mission Capability Document	MCD

3-21. Block 18-RIC

The RIC is found in SB 700-20, AMDF, FEDLOG, and LMP. Enter a three character alphanumeric code indicating the LCMC responsible for managing BOIPFD. For items managed by another LCMC, enter the appropriate RIC and submit the completed BOIPFD directly to that LCMC (three characters maximum).

3-22. Block 19-SUPPLY CATEGORY

The SC is assigned by the PSM IPT using AR 708-1, SB 700-20, AMDF, FEDLOG, or LMP. The first digit represents the class of supply while the second character indicates the type of commodity. The information contained in this block must be consistent with the information in Block 15. See table 3-2 for examples (two characters maximum).

Table 3-2

Examples of positions 1 and 2 of the supply category

1st position	2nd position
7=Major end item	G=Communication
2=Secondary end item	P=Intelligence
9=Spare/repair parts (BOIP not required)	

3-23. Block 20-PROPONENT CODE

Enter the prime LIN proponent code from table 3-3. The authority for the proponent codes lies within TRADOC. This field represents the organization that supports the development of the BOIP (three characters maximum).

Table 3-3

Proponent codes

Code	Agency	Office symbol	Location
100	CAC, TPIO-ABCS	CAC	FORT LEAVENWORTH, KS
103	AIR DEF C&S	ADS	FORT BLISS, TX
105	Belvoir Combat		
106	Armor C&S	ARS	FORT BENNING, GA
109	Field ARTY C&S	FAS	FORT SILL, OK
112	AVN C&S	AVN	FORT RUCKER, AL
122	Signal C&S	SIGS	FORT GORDON, GA
123	Maneuver Support Center		FORT BENNING, GA
124	Engineer C&S	ENS	FORT LENARDWOOD, MO
127	Infantry C&S	INS	FORT BENNING, GA
132	Battlefield SURV Brigade		
133	INTEL C&S	ITS	FORT HUACHUCA, AZ
135	MIL Police C&S	MPS	FORT LENARDWOOD, MO
136	Chemical C&S	CHEMS	FORT LENARDWOOD, MO
149	SPEC OPS CMD	SOC	FORT BRAGG, NC
300	CASCOM	CSS	FORT LEE, VA
311	CASCOM Echelons above Corps		FORT LEE, VA
321	Multifunctional Brigade Log Branch		FORT LEE, VA
325	ORDNANCE C&S	ORS	FORT LEE, VA
326	MISL & MUN SCH	MMS	REDSTONE ARSENAL, AL
341	Quartermaster C&S	QMS	FORT LEE, VA
347	TRANS C&S	TCS	FORT LEE, VA/FORT EUSTIS, VA
348	AVN LOG SCH	AVNLOG	FORT EUSTIS, VA
600	Soldier SPT INS	SSC	FORT JACKSON, SC
606	ADJ GEN C&S	AGS	FORT JACKSON, SC
608	Finance C&S	FIS	FORT JACKSON, SC
609	Chaplain C&S	CHS	FORT JACKSON, SC
615	JAG C&S	TJAGS	CHARLOTTESVILLE, VA

**Table 3–3
Proponent codes—Continued**

Code	Agency	Office symbol	Location
627	ACAD HLTH SVC	AHS	FORT SAM HOUSTON, TX
715	USAFMSA	USAFMSA	FORT LEAVENWORTH, KS
801	Network Enterprise Technical CMD		
814	SPACE and Missile Defense CMD	SMDC	REDSTONE ARSENAL, AL
820	Army Materiel CMD	AMC	REDSTONE ARSENAL, AL
OTH	Other		

Legend:

ACAD HLTH=Academy of Health Sciences
 ADJ GEN=Adjutant General
 ARTY=Artillery
 AVN LOG=Aviation Logistics
 C&S=Center and School
 CAC, TPIO–ABCS=Combined Arms Center, TRADOC Program Integration Office Air Battle Command System
 CMD=Command
 DEF=Defense
 INTEL=Intelligence
 JAG=Judge Advocate General
 MIL=Military
 MISL & MUN=Missiles and Munitions
 SCH=School
 SPEC OPS=Special Operations
 SPT INS=Support Institute
 SURV=Surveillance
 SVC=Service
 TRANS=Transportation

3–24. Block 21–NET PLAN NO

Enter the NET plan number. It is recommended that this block should be coordinated with the NET specialist that will be providing or coordinating the NET training (eight characters maximum).

3–25. Block 22–TRAINING REQUIREMENTS

This block should detail the total training requirements for the system (unlimited space). Training base requirements are located at <https://amta.logs.army.mil/scripts/login.cfm>. A user account is required to access the system. The total training requirements include—

- a. *Block 22a: New equipment training.* NET training for operators and maintainers.
- b. *Block 22b: Sustainment.*

(1) *Sustainment training.* Exportable training packages provided by NET to support unit sustainment training for operators and maintainers.

- (2) *TRADOC sustainment training.* Training base requirements for operators and maintainers.

3–26. Block 23–DESCRIPTION (Functional Capability)

Provide a complete narrative of the functional capabilities of the prime LIN and system interfaces with other systems, as outlined in the RD or other system documentation (unlimited space). Describe—

- a. Advantages (enhancements) over the system it replaces.
- b. The relationship between the prime LIN and any ASIOE.
- c. How the prime LIN configures into a larger system—for example, the prime LIN in a tactical environment will be connected to the Tactical Operations Center, which will become the Command Tactical Operations Center.
- d. Additional assistance can be obtained from the TRADOC capability manager.

3–27. Block 24–PRIME USE (Nontechnical)

Provide a complete nontechnical narrative statement describing the BOIP prime LIN’s primary uses. If the prime LIN requires the use of vehicles, generators, ECU, watercraft, aircraft, and/or trailer, explain how these items will be utilized in conjunction with the prime LIN. Also, explain any ratio greater than 1:1 for these items. Sources may include the RD, TRADOC system manager (TSM), and so forth (unlimited space).

3–28. Block 25–EMPLOYMENT

Provide a complete narrative statement describing the prime LIN’s proposed methods of employments. Describe how the item will be used in tactical or strategic organizations. Where on the battlefield will the system be employed? Sources may include the RD, TSM, and so forth (unlimited space).

3–29. Block 26–BASIS OF ISSUE

Provide a complete narrative statement describing the prime LIN’s proposed basis of issue. Sources may include the RD, TSM, and so forth. The description should be as generic as possible, such as the basis of issue is one per company supply section instead of listing every type of company that has a supply section. The basis of issue must also include any school house or other institutional organizational requirements (unlimited space).

3–30. Block 27–PHYSICAL DATA

This section must be filled out for all prime LINs for which the BOIPFD is being prepared. This block captures the prime LIN and all its components (both LIN and non-LIN) in its transportable mode, which may include packaging and crating materiel and/or vehicles, shelters, aircraft, watercraft, and so on. This data is required by the U.S. Army Military Surface Deployment and Distribution Command and is used in conjunction with Block 29.

- a. *Block 27a: LENGTH (in).* Enter the length in inches of the item. Length is also referred to as depth (seven characters maximum, format 0000.00).
- b. *Block 27b: WIDTH (in).* Enter the width in inches of the item (seven characters maximum, format 0000.00).
- c. *Block 27c: HEIGHT (in).* Enter the height in inches of the item (seven characters maximum, format 0000.00).
- d. *Block 27d: CUBE (ft).* Enter the number of cubic feet. (The formula is L x W x H divided by 1728=cube feet) (seven characters maximum, format 0000.00).
- e. *Block 27e: WEIGHT (lbs).* Enter the item weight in pounds. For generators, enter the wet weight in pounds. The entry should calculate the weight of generator with a full tank of fuel, coolants, and lubricants (seven characters maximum, format 0000000).

3–31. Block 28–FUEL CONSUMPTION

This section must be completed if the prime LIN is a generator, vehicle, ECU, aircraft, or watercraft or uses any of these systems in its operation and consumes fuel. The fuel manager at CASCOM requires this data.

- a. *Block 28a: RATE IDLING (gal/h).* Fuel consumption rate at tactical idle. It is measured in gallons (gals) per hour (h) for all equipment categories, except wheeled vehicles, where it is measured in gallons per mile. For all other types of equipment, this is the only fuel consumption data element. It is only used for fuel consumer LINs. If applicable, provide the data (10 characters maximum, format 00000.0000).
- b. *Block 28b: RATE CROSS COUNTRY (gal/km).* This is the fuel consumption rate of tracked vehicles during cross-country movement measured in gallons per hour and gallons per kilometer (km). This data element is blank for all other equipment categories. It is only used for fuel consumer LINs. If applicable, provide the data (10 characters maximum, format 00000.0000).
- c. *Block 28c: RATE SECONDARY ROADS (gal/km).* This is the fuel consumption rate of tracked vehicles during movement on secondary roads. It is measured in gallons per hour and gallons per kilometer. This data element is blank for all other equipment categories. It is only used for fuel consumer LINs. If applicable, provide data (10 characters maximum, format 00000.0000).
- d. *Block 28d: EQUIPMENT CATEGORY.* This is the equipment category of fuel consumers. It is only used for fuel consumer LINs. The equipment categories and their abbreviations as listed in table 3–4 (two characters maximum).
- e. *Block 28e: FUEL TYPE.* This is the only used for fuel consumer LINs. The numerical fuel types and definitions are listed in table 3–5. If the system uses more than one type of fuel, list the primary fuel used in this block and then note and list the other fuels used in Block 40s (REMARKS) of the DA Form 7751 (one character maximum).
- f. *Block 28f: FUEL TANK CAPACITY (gal).* Enter the total capacity of the fuel tank. This is used only for fuel consumer LINs (three characters maximum).

Table 3–4

Equipment category fuel consumers

Code	Category
AB	Amphibious equipment
AV	Aviation
CE	Construction equipment
GN	Generators

**Table 3–4
Equipment category fuel consumers—Continued**

Code	Category
HG	Heating equipment
MH	Material handling equipment
SG	Stationary equipment-miscellaneous
SV	Stationary equipment-vehicle mounted
OV	Other vehicles
TV	Tracked vehicles
WV	Wheeled vehicles

**Table 3–5
Fuel types**

Code	Type
1	Gasoline, Aviation, Bulk (JP4)
2	Turbine Fuel, Aviation, Bulk (JP8)
3	Diesel Fuel Oil, Marine
4	Gasoline, Auto, Combat

3–32. Block 29—TRANSPORTABILITY REQUIREMENTS FOR THE PRIME LIN

This section must be filled out if the prime LIN is transportable by any mode of transportation, such as fixed or rotary wing aircraft, rail, watercraft, or surface. If applicable, provide the data (see table 3–6 for transportability requirements blocks 29a through e).

**Table 3–6
Transportability requirements**

Mode	Description	Yes (Y) or No (N)
C5	Can C5 Aircraft transport this item?	Valid answers are Y or N.
C17	Can C17 aircraft transport this item?	Valid answers are Y or N.
C130	Can C130 aircraft transport this item?	Valid answers are Y or N.
C141	Can C141 aircraft transport this item?	Valid answers are Y or N.
Other	Can other aircraft or other forms of transportation (for example, surface, rail, and watercraft) transport this item?	Valid answers are Y or N.

Note:

Transportability remarks (Block 29f): List all modes of transportation that will accommodate your system (two lines maximum).

3–33. Blocks 30a and b—TRANSPORTER WEIGHT AND CUBE CAPACITY LIMITS

a. Block 30a: TRANSPORTER WEIGHT CAPACITY LIMIT (lbs). Enter the load weight capacity limit for items classified as transporters (that is, trucks, trailers, marine vessels, rail, and aircraft), measured in pounds. These data are required only if the prime LIN is a transporter. If applicable, provide the data. This is used only for LINs that can transport equipment, supplies, cargo, and so on (five characters maximum).

b. Block 30b: TRANSPORTER CUBE CAPACITY LIMIT (cu ft). Enter the load cubic capacity limit for items classified as transporters (for an example, trucks, trailers, marine vessels, rail, and aircraft), measured in cubic feet. This data is required only if the prime LIN is a transporter, meaning LINs that can transport equipment, supplies, cargo, and so on. If applicable, provide the data (five characters maximum).

3–34. Blocks 31a and b—TACTICAL WEIGHT AND CUBIC FEET CAPACITIES

a. Block 31a: TACTICAL WEIGHT CAPACITY (lbs). Enter the tactical weight capacity in pounds. This refers to the remaining weight limit of a TWV after a system or shelter has been installed in or on the TWV. It is the amount of weight in pounds that can still be used to load other equipment or cargo without overloading the vehicle. This is used only for LINs that use transportation platforms. If applicable, provide the data (five characters maximum).

b. Block 31b: TACTICAL CUBIC FEET CAPACITY (cu ft). Enter the tactical cubic feet capacity. This refers to the remaining available cubic feet of a TWV after a system has been loaded in the TWV. It is the amount of cubic feet that can still be used to load other equipment or cargo into the vehicle without overloading the vehicle. This is used only for LINs that use transportation platforms. If applicable, provide the data (five characters maximum).

3–35. Block 32—POWER CONSUMER DATA

If the prime LIN consumes electrical power in its operation, provide all the power consumption data, if available. Otherwise provide this data on an amendment (for example, consumes power from commercial sources, generator,

host aircraft, host watercraft, host vehicle/tracked vehicle). Possible sources of this data are like system analysis, RDs, production contracts, and engineering data. If these data is not available, the MATDEV/PSM IPT can contact the systems assessment team (Program Manager (PM) Expeditionary Energy and Sustainment Systems (E2S2), defense switched network (DSN) 654–3273, 654–3802) at Fort Belvoir, VA, that can perform an assessment of the system; however, there is a fee for this service.

- a. *Block 32a: AMPERAGE DATA.* The strength of an electric current expressed in amperes.
- b. *Block 32b: VOLTAGE PHASE–PREFERRED.* This is the power consumer voltage phase preferred, operating voltage and phase for the item. Valid voltage is measured as volts alternating current (Vac) (for example, commercial power, generator 120/220 Vac), or volts direct current (Vdc) (for example, battery or alternator Vdc). Valid phases are single-phase, three-phase, or both. Three-phase voltages are designated using a “/” between the line-to-neutral and line-to-line voltages (examples are 110/208Vac, 110/220Vac, 110/240Vac, 120/208Vac, 120/220Vac, 120/240Vac). Phase is not applicable for items with Vdc voltages. This is only used for electrical power consumer LINS. If applicable, provide the data (10 characters maximum).
- c. *Block 32c: START–UP kW.* This is power in kilowatts (kW) consumed by item during start-up. This is only used for electrical power consumer LINS. If applicable, provide the data (seven characters maximum, format 000.000).
- d. *Block 32d: RUNNING AMPS.* Running amperages (amps) is the steady-state current drawn during full-power operation of the item. Amps can be any number between zero and 200. This is only used for electrical power consumer LINS. If applicable, provide the data (seven characters maximum, format 000.000).
- e. *Block 32e: FREQUENCY–PREFERRED.* This is the power consumer frequency preferred-operating frequency for the item. Valid frequencies are 50 Hertz (Hz) for 208 series Vac, 60 Hz for 110 series Vac. An example: 60/50 Hz. There is no frequency for Vdc. This is only used for electrical power consumer LINS. If applicable, provide the data (10 characters maximum).
- f. *Block 32f: POWER FACTOR.* The power factor is the ratio between the real and apparent power level. The power factor values are between zero and one. A power factor of 1.0 is associated with direct currents. This is only used for electrical power consumer LINS. If applicable, provide the data (seven characters maximum, format 000.000).
- g. *Block 32g: RUNNING kW.* This is power in kW consumed by item at steady-state full-power operation. This is only used for electrical power consumer LINS. If applicable, provide the data (seven characters maximum, format 000.000).
- h. *Block 32h: POWER CONSUMPTION TECHNICAL REFERENCE.* Power consumption technical reference: These are reference documents used to obtain the information for the power consumer data elements. This is a narrative text, so there is no format. The narrative can be continued in Block 40s (REMARKS), if required. If a continuation is required in Block 40s, specify that the information continues data from Block 32. This is only used for electrical power consumer LINS. If applicable, provide the data (40 characters maximum).
- i. *Block 32i: POWER CONSUMPTION REMARKS.* Identify the power source (such as battery, host vehicle, commercial power, host aircraft, or generator). Identify the power requirement, for example, 120Vac. Narrative text can be continued in Block 40s (REMARKS). Only used for electrical power consumer LINS (140 characters maximum).
- j. *Block 32j: PRECISE POWER REQ (Y/N).* Is precise power required to operate the item? Valid choices are “Y,” precise power is required or “N,” precise power is not required. This is only used for electrical power consumer LINS (one character maximum).
- k. *Block 32k: VOLTAGE PHASE–ALTERNATE.* This is the power consumer voltage/phase alternate, alternative operating voltage and phase for the item. Valid voltage is measured as Vac (such as commercial power, generator 120/220 Vac) or Vdc (battery or alternator Vdc). Valid phases are single-phase, three-phase, or both. Three-phase voltages are designated using a “/” between the line-to-neutral and line-to-line voltages (examples are 110/208Vac, 110/220Vac, 110/240Vac, 120/208Vac, 120/220Vac, 120/240Vac). Phase is not applicable for items with Vdc voltages. This is only used for electrical power consumer LINS. If applicable, provide the data (10 characters maximum).
- l. *Block 32l: INRUSH FACTOR.* The start-up surge or inrush factor indicates the increased demand on current, which occurs at the start-up of an electric motor as opposed to the steady-state running conditions. The start-up surge or inrush factor is equal to or greater than one and represents a multiplier to the steady-state current (PWR–CONS–RUNNING–AMPS). Valid values are one to 20. This is only used for electrical power consumer LINS. If applicable, provide the data (seven characters maximum, format 000.000).
- m. *Block 32m: START–UP AMPS.* The start-up amps are equal to the steady-state full capacity amperage. This is calculated by multiplying the power consumer running amperages (PWR–CONS–RUNNING–AMPS) multiplied by the surge or inrush factor power consumer inrush factor (PWR–CONS–INRUSH–FACTOR). This is only used for electrical power consumer LINS. If applicable, provide the data (seven characters maximum, format 000.000).
- n. *Block 32n: FREQUENCY–ALTERNATE.* This is the power consumer frequency alternate–alternative operating frequency for the item. Valid frequencies are 50 Hz for 208 series Vac and 60 Hz for 110 series Vac. An example:

60/50 Hz. There is no frequency for Vdc. This is only used for electrical power consumer LINs. If applicable, provide the data (10 characters maximum).

o. Block 32o: RATED TEMP (F). The rated temperature element is associated only with heaters and air conditioners (POL-EQUIP-CTGY=HG). The power requirement for a heater or air conditioner is based on the items rated temperature and ambient temperature. Valid values are between -200 and +200 degrees Fahrenheit. This is only used for electrical power consumer LINs. If applicable, provide the data (four characters maximum).

3-36. Block 33-POWER GENERATOR DATA

This section must be filled out if the prime LIN that the BOIPFD is being prepared for produces electrical power in its operation (such as generators and power units). In addition, wheeled vehicles, tracked vehicles, shelters, aircraft, watercraft, rail, or host platform can also be considered electrical power producing items if they have an on board generator (the electrical power production is not from these systems' engines, alternators, or battery). If the prime LIN uses any of these items as a component and meets the stated criteria, this section must be completed. Possible sources of this data are like system analysis, RD, production contracts, and engineering data. If this data is not available, the PSM IPT can contact the systems assessment team (PM E2S2, DSN 654-3273, 654-3802) at Fort Belvoir, VA. They can perform an assessment of your system; however, there is a fee for this service.

a. Block 33a: POWER MAX kW. This is the rated power produced by the generator at its rated specifications (normal altitude and ambient temperature). This is the steady-state continuous power the generator can be expected to produce and is on the generator nameplate. This is expressed in kW. This is only used for electrical power producing LINs (such as generators and power units). If applicable, provide the data (six characters maximum, format 0000.0).

b. Block 33b: PRECISE POWER. Can the generator produce precise power? Valid choices are "Y" yes, precise power is produced, or "N" no, precise power is not produced. This is only used for electrical power producing LINs (such as generators and power units) (one character maximum).

c. Block 33c: E2S2 NR. Power generator mobile electric power number. This number is assigned by PM E2S2. This is only used for electrical power producing LINs (such as generators and power units) (four characters maximum).

d. Block 33d: PU NR. Power generator power unit number (PU NR). This number is assigned by PM E2S2. Only used for electrical power producing LINs (such as generators and power units) (six characters maximum).

e. Block 33e: HIGH TEMP (F). High and low-rated temperatures correspond to a generator's rated power: power generator power maximum (PWR_GEN_PWR_MAX). The high-rated temperature is the highest ambient temperature at which a generator can produce its rated power in degrees Fahrenheit. If the ambient temperature in a climatic scenario is greater than the high-rated temperature, the rated power of a generator is decreased one percent for every 10 degrees Fahrenheit difference. This is only used for electrical power producing LINs (such as generators). If applicable, provide the data (three characters maximum).

f. Block 33f: LOW TEMP (F). Power generator low temperature: High and low-rated temperatures correspond to a generator's rated power (PWR_GEN_PWR_MAX). The low-rated temperature is the lowest ambient temperature at which a generator can produce its rated power in degrees Fahrenheit. If the ambient temperature, in a climatic scenario, is less than the low-rated temperature, the rated power of a generator is zero. This is only used for electrical power producing LINs (such as generators). If applicable, provide the data (three characters maximum).

g. Block 33g: ALTITUDE (ft). Power generator rated altitude in feet is associated with a generator's rated power (PWR_GEN_PWR_MAX). The rated altitude is the highest operating altitude at which the generator can produce its rated power. If the operating altitude in a scenario is greater than the rated altitude, the rated power of a generator is decreased by 3.5 percent for every 1000 feet difference. This is only used for electrical power producing LINs (such as generators). If applicable, provide the data (five characters maximum).

h. Block 33h: TEMP FOR ALTITUDE (F). This is the power generator temperature for altitude, at the altitude stated above, at which critical output performance was achieved in degrees/Fahrenheit. This is only used for electrical power producing LINs (such as generators). If applicable, provide the data (three characters maximum).

i. Block 33i: RATED START FACTOR. The motor start-up factor is a multiplier of the rated power (PWR_GEN_PWR_MAX). The motor start-up factor reflects the maximum power a generator can support without stalling when electrical motors start-up. The motor start-up factor is a value greater than one. This is only used for electrical power producing LINs (such as generators and power units). If applicable, provide the data (seven characters maximum, format 0000.00).

j. Block 33j: DbA-7m (Decibels). Power generator rated parameters decibels at 7 meters equal noise level at seven meters away from a generator. The unit is decibels measured on the A-scale. This is only used for electrical power producing LINs (such as generators and power units). If applicable, provide the data (10 characters maximum).

k. Block 33k: POWER GENERATOR TECHNICAL REFERENCE. These are reference documents used to obtain the information for the power generator data elements. This is a narrative text, so there is no format.

l. VOLTAGE PHASE–PREFERRED. This is the power generator preferred voltage and phase produced by the generator. Valid voltage is measured as Vac (such as commercial power, generator 120/220Vac) or Vdc (such as battery or alternator Vdc). Valid phases are single-phase, three-phase, or both. Three-phase voltages are designated using a “/” between the line-to-neutral and line-to-line voltages (for example, 110/208Vac, 110/220Vac, 110/240Vac, 120/208Vac, 120/220Vac, 120/240Vac). Phase is not applicable for items with Vdc voltages. This is only used for electrical power producing LINs (such as generators and power units). If applicable, provide the data (10 characters maximum).

m. Block 33l: VOLTAGE PHASE–ALTERNATE. This is the power generator alternate voltage and phase produced by the generator. Valid voltage is measured as Vac (such as commercial power, generator 120/220 Vac), or Vdc (such as battery or alternator Vdc). Valid phases are single-phase, three-phase, or both. Three-phase voltages are designated using a “/” between the line-to-neutral and line-to-line voltages (for example, 110/208Vac, 110/220Vac, 110/240Vac, 120/208Vac, 120/220Vac, 120/240Vac). Phase is not applicable for items with Vdc voltages. This is only used for electrical power producing LINs (such as generators and power units). If applicable, provide the data (10 characters maximum).

n. Block 33m: FREQUENCY–PREFERRED. This is the power generator preferred frequency produced by the generator. Valid frequencies are 50 Hz for 208 series Vac, 60 Hz for 110 series Vac. For example, 60/50 Hz. There is no frequency for Vdc. This is only used for electrical power producing LINs (such as generators and power units). If applicable, provide the data (10 characters maximum).

o. Block 33n: FREQUENCY–ALTERNATE. This is the power generator alternate frequency produced by the generator. Valid frequencies are 50 Hz for 208 series Vac and 60 Hz for 110 series Vac. An example: 60/50 Hz. There is no frequency for Vdc. This is only used for electrical power producing LINs (such as generators and power units). If applicable, provide the data (10 characters maximum).

p. Block 33o: MODE. A valid method of transportation includes truck, trailer, skid, and shock. This is only used for electrical power producing LINs (such as generators and power units). If applicable, provide the data. This is a narrative text, so there is no format (eight characters maximum).

q. Block 33p: Nr PER MODE. This is the number of generators, which can be transported by a dedicated trailer (integer value). This data element is blank if the transportation mode (TRANS_MODE) is truck, skid, and shock. This is only used for electrical power producing LINs (such as generators and power units). If applicable, provide the data (10 characters maximum).

r. Block 33q: CAPACITY. This is the power generator tonnage capacity of the generator transport trailer. This data element is blank if the TRANS_MODE is truck, skid, and shock. This is only used for electrical power producing LINs (such as generators and power units). If applicable, provide the data (seven characters maximum, format 0000.00).

s. Block 33r: MODEL. This is the power generator model number of generator transport trailer: This data element is blank if the TRANS_MODE is truck, skid, and shock. This is only used for electrical power producing LINs (such as generators and power units). If applicable, provide the data (10 characters maximum).

t. Block 33s: FUEL. Each generator can have more than one entry for fuel type. This is only used for electrical power producing LINs (such as generators). Valid generator fuel types are listed in table 3–7. If applicable, provide the data (one character maximum).

u. Block 33t: POWER GENERATOR REMARKS. This should be used to explain any of the data provided within this block. This is a narrative text, so there is no format. The narrative can be continued in Block 40s (REMARKS), if required. If a continuation is required in Block 40s, specify that the information data from Block 33. This is only used for electrical power producing LINs (such as generators and power units). If applicable, provide the data (140 characters maximum).

v. Block 33u: MAINTENANCE/PERSONNEL DATA. This should be used to explain the occupational skills required to provide maintenance to maintain and support the power generator source, such as such as generators and power units. When it is organically supported MOS will be identified. If contractor supported, provide skill sets required. Both field and sustainment levels need to be captured.

**Table 3–7
Generator fuel types**

Number	Type
1	Gasoline
2	Diesel
3	Alcohol
4	Multi-Fuel
5	Avgas

3–37. Block 34–DPAMMH FOR PRIME LIN

Block 34 is designed to capture the DPAMMH information such as the DPAMMH, MOS, and level of maintenance for the prime LIN. The DPAMMH is also commonly referred to as manpower requirements criteria (MARC) data.

- a. The DPAMMH captures man-hours for Soldiers above the operator level and below depot level.
- b. All BOIPFD will reflect the current two-level maintenance structures. Field maintenance (on-system maintenance) and sustainment maintenance (off-system maintenance) are the two levels of the Army maintenance system.
- c. The DPAMMH is based on a wartime scenario. The DPAMMH are the man-hours required annually to keep the system fully operational in a wartime environment. The DPAMMH includes both scheduled and unscheduled maintenance requirements; diagnostics time; on item repair; off-item repair; battle damage repair; preparation time (technical manual research); inspection; testing; service operations; adjustments; alignments; calibration; removing/installing; replacing; repairing; overhauling; rebuilding; maintenance record update; part installation preparation; and part-shipment preparation and is applicable to all maintainable items of equipment for each maintenance level, exclusive of operator and crew maintenance, which perform what is referred to as Preventive Maintenance Checks and Services (PMCS). If a maintainer is performing the PMCS, then the PMCS hours should be rolled into the DPAMMH.
- d. DPAMMH is sometimes referred to as “wrench-turning time” or “hands on time.” The DPAMMH does not include nonproductive time or indirect productive time, such as MOS-related tasks associated with the maintenance functions that do not involve actual repair of the equipment, maintenance administration, training, meetings, delays, ground support equipment operation-servicing-maintenance, travel time, shop area cleaning or policing, maintaining and cleaning tools-shop sets-outfits, tool room storage, and shop supply operations. The DPAMMH for the prime LIN and the CMI at field and/or sustainment are based on maintaining, one end item or system (including all non-LIN components) and CMI (excluding ASIOE) for 1 year in a wartime scenario.
- e. For audits purposes, the data used to calculate the DPAMMH must be documented and traceable, at a minimum, to the HQDA-approved RD as well as other system support documents. It is the PSM IPT’s responsibility to produce and validate the DPAMMH. The maintenance engineer is normally the proponent who will complete this paragraph with the exception of the MOS block, which is typically completed by the NET specialist proponent. The PSM IPT should also cross-check the calculated DPAMMH with the MAC chart, if available. The MATDEV or the PSM IPT if MATDEV is not assigned is responsible to permanently retain all documentation used in the development of the DPAMMH.
- f. The following are some data sources that could be considered in the data collection process for calculation of the DPAMMH. These sources of data can be used for like system analysis, or if the system lacks sufficient field data: field exercise data collection and sample data collection are available. The U.S. Army Materiel Statistical Analysis Agency, maintains databases containing field exercise data collection and sample data collection. It should be noted that this database does not capture off-system maintenance. Contact the U.S. Army Materiel Systems Analysis Activity for access to these databases, commercial phone 410–278–4974.
 - (1) MAC, if available. Caution should be taken when using the MAC, as the MAC depicts maintenance hours for field and sustainment as a one-time event and does not extrapolate the maintenance effort for the full damage or includes combat damage.
 - (2) The Army MARC database is a USAFMSA product located at <https://fmsweb.army.mil> can be used for like system analysis. A user account is required to access the system. The MARC process is explained in AR 71–32. MARC is defined as “DA-approved standards for determining mission-essential wartime position requirements for Combat Support and Combat Services Support functions on TOEs.” The use of the MARC method is usually performed on fielded systems but other sources of data are acceptable such as prototype field test data, manufacture reports, and data collected from other military Services. Caution should be taken when using this tool as it contains PMCS and may not contain off-system repair or wartime scenario data.
 - (3) The Operational and Support Management System. This database located at <https://www.osmiweb.army.mil/osmisrdb>. This database provides field level data for maintenance. A user account is required to access the system.
 - (4) The Improved Performance Research Integration Tool database is maintained by the Army Research Laboratory.
- g. To fill out the information required for block 34, enter the prime LINs DPAMMH:
 - (1) *Block 34a: DPAMMH FOR PRIME LIN.* The LIN is the end item for which the BOIPFD is being prepared for. Leave this blank, since it will be automatically populated by the cPROBE system (six characters maximum).
 - (2) *Block 34b: LIFE UNIT.* This is a measure of use duration that is applicable to the item of equipment expressed in one position alphabetic code. Examples are operating hours, distance, or rounds fired (one character maximum).

(a) One of the following must be selected:

1. K=Kilometers traveled.

2. O=Operating hours.
3. R=Rounds fired.
4. M=Miles traveled.

(b) Additional guidance is as follows:

1. For communications equipment use life unit code "O".
2. For un-mounted generators use code "O" for DPAMMH hours with MOS 91D.
3. For mounted (trailer) generators use code "O" for DPAMMH hours with MOS 91D.

(3) *Block 34c: LIFE MMHB.* This is a number describing usage for 1 year in a wartime environment. It is expressed in hours of operation, distance traveled, or rounds fired, by time period. Input of this data element is required when DPAMMH are present. Enter the numeric value of the Maintenance Man-Hour Baseline (MMHB)-such as hours on which operations are based (for example, 8,760 for a full year). These hours are based on a wartime scenario. The above link provides the MMHB, which is also called the Equipment Usage Profile. Use column "D" for hours or "G" for miles (these two columns represent the averages and the wartime usage). Per USAFMSA direction, the use of a like LIN from this database is allowed if your LIN is not found (six characters maximum, format 0000.0).

(4) *Block 34d: FIELD MOS.* Enter the maintenance MOS for the item. A mix of standard MOS(s) from DA Pam 611-21 with a nonstandard MOS(s) below is allowed. The NET specialist is normally the proponent to complete this cell (five characters maximum). A user account is required to access the system.

(a) The following websites can be used to validate enlisted MOS(s): <https://www.goarmy.com/careers/> and <https://smartbook.armyg1.pentagon.mil/> and in DA Pam 611-21.

(b) If a standard maintenance MOS does not apply, use one of the following:

1. AAA — No maintenance required or operator maintenance only.
2. D91 — Contract support for MOS 91D. Reversed of military MOS.

(5) *Block 34e: SUSTAINMENT DPAMMH (Aviation ASC).* Enter the hours for SUSTAINMENT DPAMMH for the prime LIN (seven characters maximum, format 00000.00).

(6) *Block 34f: DPAMMH (Aviation AMC).* Enter the hours for FIELD DPAMMH for the prime LIN (seven characters maximum, format 00000.00).

(7) *Block 34g: AUTH DPAMMH.* Leave this blank. USAFMSA or Logistics Information Warehouse will complete this block. Codes are—

- (a) T=Temporary (The LCMC created new or changed existing data).
- (b) R=Released (The LCMC has released the new or changed data to USAFMSA).
- (c) A=Approved (USAFMSA has approved the new or changed data).
- (d) D=Disapproved (USAFMSA has disapproved the new or changed data).
- (e) S=Suspense (USAFMSA has placed the action into suspense for possible rework of the new or changed data)

(thirty characters maximum).

(8) *Block 34h: DATE.* Date of DPAMMH data.

(9) *Block 34i: CD.* Leave this blank. USAFMSA will complete provide this code.

(10) *Block 34j: DATA.* Enter the type of data used for the DPAMMH. There are only two acceptable entries: BOIP or MARC. The most common entry here will be "BOIP" (four characters maximum).

(11) *Block 34k: NOTES.* The PSM IPT and/or USAFMSA will fill in the notes. A note may not always be used; if there are no notes leave this blank.

(12) *Block 34l: JUSTIFICATION/RATIONALE.* Enter any additional justification or rationale here regarding DPAMMH.

(13) *Block 34m: EDATE.* Leave the effective date blank. USAFMSA will fill in this block upon acceptance of the DPAMMH data.

(14) *Block 34n: BOIP.* Leave this blank. USAFMSA will fill this block upon acceptance of the DPAMMH data.

(15) *Block 24o: JUSTIFICATION/RATIONALE.* Leave this blank. USAFMSA will fill this block.

3-38. Block 35-COMPONENT MAJOR ITEMS (CMI)

CMIs are any major items with a LIN that are also required to operate the prime LIN. CMIs are normally installed when the prime LIN is being built due to the complexity of installation, such as wiring, mounting, and system interface. The removal of the CMI will destroy the integrity of the prime LIN system. Additional criteria for CMIs can be found in AR 710-1. Enter the CMI for the prime LIN for which you are filling out the BOIPFD in Block 35a.

a. If the component is a CCI, refer to the LDAC website under Army item unique identification warehouse (AIW) for information on serial number tracking. LINs are no longer required for tracking CCI as tracking can be accomplished by national stock number. BOIPFD is not required for the CCI components. If a CCI component(s) is required,

you must state that in Block 40s (REMARKS). AR 710–3 covers the CCI policy. The prime LIN data plate and nomenclature should identify the system as containing CCI.

b. Equipment listed in SB 700–20, chapter 6, common table of allowances (CTA) and chapter 8, table of distribution and allowances (TDA) cannot be used as components when the BOIP item is intended for use by a TOE organization. Do not list the support items for the CMI, as USAFMSA will automatically roll these support items over to your BOIP.

c. If a TDA is required for your TOE BOIP, then you must contact USAFMSA to have the TDA reclassified to a TOE item. If the TOE unit requires a CTA item, the unit must submit DA Form 2028 to USAFMSA to document the units CTA authorization.

d. The maintenance engineer is normally the proponent to complete this paragraph, with two exceptions: Block 35e, MOS, which is completed by the NET specialist proponent, and Block 35b, LIN, which is completed by the logistics manager proponent.

(1) *Block 35b: LIN.* Enter the LIN of the major component (six characters maximum).

(2) *Block 35c: RIC.* Leave this blank. The cQuiP system will automatically complete this block (three characters maximum).

(3) *Block 35d: GEN–NOMEN.* Enter the GEN–NOMEN of the major component as assigned in the SB 700–20 (32 characters maximum).

(4) *Notes.* USAFMSA will fill in the notes, if required. A note may not always be used. If there is no note, leave the notes blank. Notes may address RATIOS. This is the number of CMI components contained in one end item/ assemblage for the prime LIN system. Sources for this ratio are the PSM IPT and/or manufacturer’s specification drawings. For example, if two shelters are required as part of the BOIPFD item make-up, enter the number “2” (nine characters maximum).

(5) *Block 35e: MOS.* The NET specialist proponent completes this block.

(6) *Block 35f: LIFE UNIT.* This only applies to the CMI. This is a measure of use duration that is applicable to the item of equipment expressed in one position alphabetic code. Examples are operating hours, distance, or rounds fired (one character maximum). See paragraph 3–37g(2) for more information on life unit.

(7) *Block 35g: FIELD DPAMMH.* This only applies to the CMI. Enter the hours for Field DPAMMH for the CMI items.

(8) *Block 35h: SUSTAINMENT DPAMMH.* Enter the hours for SUSTAINMENT DPAMMH for the CMI items.

(9) *Block 35i: NOTES.* Provide any additional information here that may not be described above with regards to the CMI.

(10) *Blocks 35j through 35q.* These blocks are a repeat of Blocks 35b through 35i as each CMI item needs to be addressed individually.

3–39. Block 36–TOTAL DPAMMH FOR PRIME LIN AND COMPONENT MAJOR ITEM

Leave this blank. This is an automatic computation performed by the cQuiP system. The TOTAL DPAMMH FOR PRIME LIN is a summary of Block 34, DPAMMH and Block 35, CMI maintenance hours with their ratio taken into account. Blocks 36a through 36e will be populated by the cQuiP system.

3–40. Block 37–OPERATOR (PRIME LIN) and SYSTEM ADMINISTRATOR (PRIME LIN)

a. *Block 37a: OPERATOR (PRIME LIN).* This block captures the number of operators required to crew or operate the prime LIN in a wartime environment. This may require a 24–hour operation, which may have to be divided into two or three shifts. Record the number of operators per one shift. If additional shifts are required, make a note of this under “Duty Position.” The PSM is normally the proponent who will complete this paragraph.

(1) *Block 37b: QUANTITY DUTY POSITION.* Enter the number of MOS personnel necessary to operate the prime LIN during one shift (three characters maximum).

(2) *Block 37c: RECOMMENDED DUTY POSITION.* Enter the position title of the MOS. This should include information on whether additional shifts are required as noted above (unlimited space).

(3) *Block 37d: RECOMMENDED MOS.* Enter the recommended MOS for the position. The website <https://www.goarmy.com/careers/> can be used to validate enlisted MOSs. A mix of standard MOS(s) from DA Pam 611–21 with a nonstandard MOS below is acceptable (five characters maximum).

b. *Block 37e: SYSTEM ADMINISTRATOR (PRIME LIN).* This block captures the number of system administrators required to load, maintain, and update the systems software; in addition to establishing, maintaining, and updating servers/networks for the prime LIN in a wartime environment. This may require a 24–hour operation, which may have to be divided into two or three shifts. Record the number of operators per one shift. If additional shifts are required, make a note of this under “Duty Position.” The PSM is normally the proponent to complete this paragraph.

(1) *Block 37f: QUANTITY.* Enter the number of MOS personnel necessary to load, maintain, and update the systems software in addition to establishing maintaining and updating servers/networks for the prime LIN during one shift (five characters maximum).

(2) *Block 37g: DUTY POSITION.* Enter the position title of the MOS. This should include information on whether additional shifts are required as noted above (unlimited space).

(3) *Block 37h: RECOMMENDED MOS.* Enter the recommended MOS for the position (five characters maximum).

3-41. Block 38—UNIQUE DUTIES, TASKS, AND CHARACTERISTICS NOT LISTED IN DA PAM 611-21

Enter any unique duties, tasks, and characteristics that are required of the operator(s) or maintainer(s) in order to perform their mission, function, or tasks associated that are not already covered for the operator or maintainer of the prime LIN in DA Pam 611-21. The NET specialist is normally the proponent who will complete this paragraph (unlimited space).

3-42. Block 39—ASSOCIATED SUPPORT ITEMS OF EQUIPMENT (ASIOE)

Associated support items of equipment and personnel (ASIOEP): This is the equipment and personnel essential to operate, maintain, or transport the principal and ASIOE item(s). ASIOEP are initially identified by the MATDEV for directly related equipment and personnel and by the CAPDEVs, personnel proponents, and training developers for organizational related equipment and personnel. For an item to be ASIOE it must conform to all “form, fit, and function” criteria as shown in table 3-8. TRADOC will provide feedback to the MATDEV. ASIOEP are included in the BOIP of the item that drives the requirement(s). ASIOE are items of equipment dedicated to support the major end item to maintain, operate, or transport it. ASIOEP requirements are subject to change based on the BOIP impact as they are sequenced into modernization paths.

Table 3-8

Form, fit, and function definitions for components of a major item and associated support item of equipment

Criteria	Definition	CMI	ASIOE
Fit	The ability of an item to physically interface with, interconnect with, or become an integral part of another item.	External support is required to install or uninstall this.	A user can install or uninstall at the organizational level using only authorized organizational support equipment.
Form	The shape, size, dimensions, mass, weight, and other physical parameters that uniquely characterize an item. For software, form denotes the language and media.	This requires modification of physical parameters outside the CPD key performance parameters (KPP) and key system attributes (KSA) thresholds/objectives (T/Os).	Actual user parameters may have less tolerance than specified in the CPD KPP and KSA T/Os.
Function	The action or actions an item is designed to perform.	The host system cannot operate without the item, or the item's mission role is dedicated solely to system.	Component is operationally available for missions other than the host systems=51 percent of time.

a. If an ASIOE does not already have a LIN and is therefore not listed in chapters 2 or 4 of SB 700-20, it is the responsibility of the PSM IPT to request a ZLIN to initiate the BOIPFD for this item, and submit it with the BOIPFD for the prime LIN for which the BOIPFD is being prepared (if the intent is to authorize the item separately). The ZLIN must also complete all TC standard requirements so that it is documented as a standard LIN.

b. If another LCMC manages the ASIOE, it is the responsibility of the PSM IPT to contact that LCMC to have them initiate BOIPFD for the item.

c. If the support item is designated SC 2 or 9 without a LIN and there is no intent of assigning a LIN, the support item should be listed in Block 40s (REMARKS).

d. Equipment listed in chapter 6 CTA and chapter 8 TDA of the SB 700-20 cannot be used as ASIOE when the BOIP item is intended to be used by a TOE organization. Do not list the support items for the ASIOE support items for your system, as USAFMSA will automatically roll those items to your BOIP.

(1) *Block 39a: LIN.* Enter the LIN as listed in chapters 2 of the SB 700-20. If the item does not have a LIN, an initial BOIPFD must be prepared for that item which will generate the assignment of a ZLIN. The ZLIN must also complete all TC standard requirements so that it is documented as a standard LIN. NYA is not, under any circumstances, an acceptable entry in this block. (6 characters maximum).

(2) *Block 39b: RIC.* Enter the RIC as listed in SB 700–20. The RIC for LCMC managed items is in SB 700–20, chapter 1 (three characters maximum).

(3) *Block 39c: GEN–NOMEN.* Enter the GEN–NOMEN of the item exactly as it appears in the SB 700–20 (32 characters maximum).

(4) *Block 39d: LOGISTICS CONTROL CODE.* Leave this block blank, the cQuiP system will automatically complete this entry. The logistics control code (LCC) and TC codes are listed under column headings LCC and TC in SB 700–20 (one character maximum).

(5) *Block 39e: RATIO.* Enter the recommended quantity/ratio of ASIOE required to support the prime LIN. This quantity is expressed as a ratio to the prime LIN. For example, if one multimeter (ASIOE item) is required to support every 10 radios (the prime LIN), the entry would be 1:10. The mean-time-between-failure, operational availability, operational capabilities, and maintenance concept determine the quantity of tool kits that would be expressed as the number of tool kits required for each MOS (1:MOS) (18 characters maximum).

3–43. Block 40—EQUIPMENT TO BE REPLACED

a. This block provides a list of equipment that will be purged from a gaining unit’s authorization document (modified TOE). Enter the LIN to be replaced to include the principal item and all of the support items, special tools, test measurement and diagnostic equipment, tool kits, COMSEC, and other equipment, for example, to transport the equipment that has been separately authorized for the replaced principal item and that will not be used for the new prime LIN. The replaced principal item’s BOIP or technical manual will provide this information. An additional source is AR 71–32. If there are no items to be purged then simply leave this blank. The cQuiP system will automatically enter NONE in this field.

(1) *Block 40a: LIN.* Enter the LIN for each item to be replaced directly from SB 700–20. The SB 700–20 and the purged BOIP are the sources for this information (six characters maximum).

(2) *Block 40b: GEN–NOMEN.* Enter the nomenclature of each item to be replaced exactly as it appears in the SB 700–20.

(3) *Blocks 40c: REMARKS.* If more than one version or model is assigned the same LIN, and a partial replacement will occur, enter the national stock number for the version or model being replaced in remarks. The SB 700–20, replaced BOIP, and the technical manual are the sources for this information (22 characters maximum).

b. DPAMMH FOR ASSOCIATED SUPPORT ITEMS OF EQUIPMENT (ASIOE)—

(1) *Block 40d: LIN.* Input the line items number of ASIOE.

(2) *Block 40e: RIC.* Input the RIC number.

(3) *Block 40f: LOGISTICS CONTROL CODE (LCC).* The LCC is assigned to each type classified item by the type classified approval authority. LCCs designate the level of logistics support to be provided (refer to AR 700–142).

(4) *Block 40g: LVL USE.* This is to identify the highest level of use (for example, user, field, sustainment).

(5) *Block 40h: RATIO.* Enter the recommended quantity/ratio of ASIOE required to support the prime LIN. This quantity is expressed as a ratio to the prime LIN. For example, if one multimeter (ASIOE item) is required to support every 10 radios (the prime LIN), the entry would be 1:10. The mean-time-between-failure, operational availability, operational capabilities, and maintenance concept determine the quantity of tool kits that would be expressed as the number of tool kits required for each MOS (1:MOS) (18 characters maximum).

(6) *Block 40i: GEN–NOMEN.* Enter the GEN–NOMEN of the major component as assigned in the SB 700–20 (32 characters maximum).

(7) *Block 40j: MOS.* Enter the MOS, and level of maintenance for the ASIOE LIN.

(8) *Block 40k: LIFE UNIT.* This is a measure of use duration that is applicable to the item of equipment expressed in one position alphabetic code. Examples are operating hours, distance, or rounds fired (one character maximum).

(9) *Block 40l: UL DPAMMH.* Enter the unit level hours DPAMMH for the ASIOE LIN (seven characters maximum, format 00000.00).

(10) *Block 40m: DS DPAMMH.* Enter the hours for DS DPAMMH for the ASIOE LIN (seven characters maximum, format 00000.00).

(11) *Block 40n: GS DPAMMH.* Enter the hours for GS DPAMMH for the ASIOE LIN (seven characters maximum, format 00000.00).

(12) *Block 40o: FIELD DPAMMH.* Enter the hours for FIELD DPAMMH for the ASIOE LIN (seven characters maximum, format 00000.00).

(13) *Block 40p: SUSTAINMENT DPAMMH.* Enter the hours for SUSTAINMENT DPAMMH for the ASIOE LIN (seven characters maximum, format 00000.00).

(14) *Block 40q: NOTE.* Address and information regarding the manpower to support ASIOE (eight characters maximum).

(15) *Block 40r: DESCRIPTION.* Provide a description of the man-hours to support the ASIOE (30 characters maximum).

(16) *Block 40s: REMARKS.* If the BOIPFD is an amendment, this block must include a summary of changes from the last approved BOIPFD (thirty character maximum). This is also where additional information can be captured from Blocks 11, 28e, 32i, and 33.

3-44. Block 41-POINT OF CONTACTS

Enter the following POC data for each prepared or representative: name, organization, complete work mailing address to include office symbol, commercial and DSN telephone numbers, and email address:

a. *CAPABILITY DEVELOPER.* This is the TRADOC schools representative (working level) or the TSM with knowledge of the prime LIN.

b. *MATERIEL DEVELOPER.* This is the MATDEV primary representative (working level) with knowledge of the prime LIN. This is usually the PSM.

c. *BOIPFD DATA PREPARER.* This is the BOIPFD preparer (working level) with knowledge of the prime LIN.

d. *BOIPFD DEVELOPER.* This is the USAFMSA document developer representative.

e. *MOS AND MAINTENANCE MAN-HOUR PREPARER.* This is the person responsible for MOS and training (NET specialist, if available) with knowledge of the prime LIN. Enter the maintenance engineer POC information in t.

f. *MOS PREPARER.* This is the MOS preparer with knowledge of the prime LIN. This is usually the NET specialist.

g. *MAINTENANCE MAN-HOURS PREPARER.* This is the maintenance man-hours preparer (working level) with knowledge of the prime LIN. This is usually the maintenance engineer.

h. *SYSTEM MAINTENANCE SUPPORT PROPONENT.* Enter the support proponent (working level) with knowledge of the prime LIN's maintenance requirements. For many MOS' this will be the Combined Arms Support command. The website is: <https://www.cascom.army.mil>.

i. *SYSTEM MAINTENANCE SUPPORT PROPONENT 2.* Name, organization, street, city, state, office symbol, email, commercial telephone (to include area code and DSN).

j. *SYSTEM MAINTENANCE SUPPORT PROPONENT 3.* Name, organization, street, city, state, office symbol, email, commercial telephone (to include area code and DSN).

k. *SYSTEM MAINTENANCE SUPPORT PROPONENT 4.* Name, organization, street, city, state, office symbol, email, commercial telephone (to include area code and DSN).

3-45. Blocks 42 through 46

The program office should not fill in these blocks. Leave these blocks blank for USAFMSA to fill in as required.

a. *Block 42: REASON FOR DISAPPROVAL.* USAFMSA will fill this in if the BOIPFD is returned for any reason. The specific actions required to correct (required) the BOIPFD will be listed here.

b. *Block 43: RETURNED.* This will identify who returned it and when.

c. *Block 44: FIELD SUPPORT.* This will address field support issues.

d. *Block 45: AMENDMENT.* This block will capture the amendments from the original.

e. *Blocks 46a through e: END OF REPORT.* These fields will capture the end of report data supplied by USAFMSA.

3-46. Additional information

The on-line requirements may change before there is an opportunity to change the DA Form 7751. Below is some additional information that maybe requested that is currently not addressed on the DA Form 7751.

a. The BOIPFD must be staffed through the system maintenance support proponent(s) listed in table 3-9 for concurrence prior to submission.

Table 3-9

System maintenance support proponents

Maintenance requirements	Support proponent
Power Generation	CASCOM
Missile and Radar Systems	CASCOM
Communications and Electronics	CASCOM
Tactical Operations Center and Robotics	CASCOM
Ground Support Equipment (Wheeled and Track Vehicles)	CASCOM
Signal	Signal Center

**Table 3–9
System maintenance support proponents—Continued**

Aviation	Aviation Warfighting Center
Engineer	Engineer School
Military Intelligence	Intelligence Center

b. Additional information or comments that would assist in the BOIP development process and to identify nondevelopmental items and their category (CAT) can be captured in remarks sections. These blocks may also serve as a continuation block for information from other blocks (unlimited space).

c. Nondevelopmental item CAT: Enter one of the following nondevelopmental item CAT types if the DA Form 7751 is for a nondevelopmental item:

(1) *CAT A.* This is an off-the-shelf item to be used in the same environment as used in the commercial sector. There is no associated RDT&E funding or testing to bring this into the Army inventory.

(2) *CAT B.* This is an off-the-shelf item to be used in military environment that is substantially different from the commercial environment in which it is used. This requires RDT&E funding to modify and test the item prior to bringing it into the Army inventory.

(3) *CAT C.* This is an off-the-shelf system item that is assembled from components (commercial market/other services/foreign). The system may require software and hardware development and integration; and requires RDT&E funding to modify and test the item or its components prior to bringing this into the Army inventory. CAT C must be further broken down into one of the below:

(a) C–1 — all components exist.

(b) C–2 — most components exist.

d. CCI statement: Does the prime LIN you are preparing BOIPFD for contain any embedded CCI as confirmed by the National Security Agency? If the answer is yes, the following statement must be placed in a remarks block, “This materiel contains embedded CCI”.

e. System maintenance concept: Explain in general terms the maintenance concept of the system for which the BOIPFD is being prepared. Examples—

(1) Maintenance will be performed at the field and sustainment level.

(2) Maintenance will be performed at the field level, organic or contractor support will be utilized for sustainment level maintenance during initial fielding, if applicable.

(3) Field level maintenance not required. Sustainment is interim contractor support which will be utilized for two years.

f. List maintenance significant non-LIN component by national stock number/part number (if available), nomenclature, and quantity.

g. Explain past or planned TC and FUE dates.

h. Explain partial replacements.

i. Enter information on any modification work orders if applicable.

j. Enter the information for the next milestone and forecast date.

k. The BOIPFD using the BOIPFD must be staffed and approved by the system maintenance support proponent prior to submitting the document to the PSM IPT for review. A statement of who the BOIPFD was staffed with and approved by must appear in the remarks section.

l. The following information is required on the initial BOIPFD and DA Form 7751 for ZLIN assignment: budget operating system, federal supply classification code, acquisition category, and all other explanations.

m. A statement is required to identify that the CAPDEV reviewed and approved the BOIPFD and the date of CAPDEV approval.

n. COMP/IN–PART: Enter a “C” (designates complete, meaning that every item in the Army inventory will be replaced) or a “P” (designates in-part, meaning that replacement of this item will occur in selected Army units) as appropriate for each item to be replaced. If a “P” is entered, provide a detailed explanation in Block 40s (one character maximum).

o. REC–TC: Enter the planned TC code for each replaced item from one of the following TC codes (one character maximum):

(1) C=Contingency.

(2) E=Exempt.

(3) L=Limited production.

(4) N=Not separately type classified.

(5) O=Obsolete.

(6) S=Standard.

LOGISTICS INTEGRATED DATABASE BASIS OF ISSUE PLAN FEEDER DATA				
For use of this form, see DA PAM 700-27; the proponent agency is ASA (ALT).				
CURRENT DATE: 20110323		TIME: 15:16:22	ACCEPTANCE DATE: 20110506	
1. PRIME LIN: G39497	2. GEN-NOMEN: Ground Control Station (GCS): (TUAV-Shadow)		3. MIS CD: LSCDF500	
4. SYS DESC: Tact Unmanned Aerial Vehicle (TUAV) Sys		5. BOIP-NO: H191aa	6. TYPE SUBM: Amended	
7. AMND-NO: 1	8. MAT DEV STAT: D	9. STAT DATE: 20101007	10. EST. TC DATE: 20001201	11. EST. FUE DATE: 20010404
12. EST. COST PROD MOD: 1,000,000		13. FUND STAT: Funded		14. STANDARD STUDY NUMBER: BA033000h00
15. APPROPRIATION AND BUDGET ACTIVITY: C			16. CARDS-NO: 1583	
17a. APPROVED REQUIREMENTS DOCUMENTS: Unmanned Aerial Vehicle		17b. DATE: 20100909	17c. AAO IN REQUIREMENTS DOCUMENT: 1000	
17d. OBJECTIVE TABLE OF ORGANIZATIONAL EQUIPMENT (OTOE), TACTICAL UNMANNED AERIAL VEHICLE (TUAV): DATE: 19990311 TYPE: ORD				
18. RIC: B17	19. SUPPLY CATEGORY: 7A	20. PROPONENT CODE: 112 Aviation Center & School		21. NET PLAN NO: MIC00001
22. TRAINING REQUIREMENTS: (Available at https://www.amtas.army.mil/amtasweb/scripts/login.cfm)				
22a. NEW EQUIPMENT TRAINING: Unknown			22b. SUSTAINMENT: Unknown	
23. DESCRIPTION (Functional Capability): The ground control station (GCS), is a modified S-788 shelter (LIN s01563/CMI), containing 2 each RQ-7 shadow tactical unmanned air vehicle (AV) operator control stations. The GCS is transported on a M1152A1 HMMWV (LIN T37588/ASIOE). Primary power for TUAS GCS is provided by a shadow specific 10kw generator equipment trailer that is towed by separate M1165A1/B3 HMMWV (LIN T56383/ASIOE). The 2 HMMWV transport 6 personnel. The TUAS GCS, in conjunction with the TUAS ground data terminal (GDT) (LIN Z90583), enables RQ-7 shadow tactical unmanned air vehicle (AV) and payload operators to control the AV and payloads during launch, mission operations, recovery, and maintenance operations. The TUAS GCS, via the GDT relays command and control links to, and receipt for, mission equipment package/payload/external store and AV data and telemetry. The RQ7 shadow TUAS provides the ground maneuver commander with primary daylight, reconnaissance, surveillance, and target acquisition (RSTA) and enhanced enemy situational awareness.				
24. PRIME USE (Nontechnical): The GCS enables operators to control both the shadow AV and payloads during launch, mission operations, recovery, and maintenance operations.				
25. EMPLOYMENT: The ground control station (GCS) is employed by the TUAS platoon to launch, conduct mission operations, recover, and perform maintenance actions involving the RQ-7 shadow AV and payloads. The GCS controls the RQ-7 AV and mission equipment packages/payloads via tactical control data link using the ground data terminal (GDT) during the conduct of reconnaissance, surveillance, target acquisition, and other assigned missions. THE GCS and GDT may be located at either the launch and recovery location with the TUAS platoon or located away from the launch and recovery location providing support to supported elements.				
26. BASIS OF ISSUE: Two (2) ground control stations (GCS) per tactical unmanned aircraft system (TUAS) unit equipped with four (4) RQ-7 tactical unmanned air vehicles. Three (3) ground control stations (GCS) per tactical unmanned aircraft system (TUAS) unit equipped with seven (7) RQ-7 tactical unmanned air vehicles.				

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PREVIOUS EDITIONS ARE OBSOLETE.

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Figure 3-1. DA Form 7751

CHARACTERISTICS DATA:				
27. PHYSICAL DATA:				
27a. LENGTH (in): 208	27b. WIDTH (in): 85	27c. HEIGHT (in): 105	27d. CUBE (ft): 1075	27e. WEIGHT (lbs): 11500
28. FUEL CONSUMPTION:				
28a. RATE IDLING (gal/hr): 1.4		28b. RATE CROSS COUNTRY (gal/km): NA		28c. RATE SECONDARY ROADS (gal/km): NA
28d. EQUIPMENT CATEGORY: SV Stationary - Vehicle Mounted				
28e. FUEL TYPE: I - Gasoline, Aviation, Bulk (JP8)				28f. FUEL TANK CAPACITY (gal): 25
29. TRANSPORTABILITY REQUIREMENTS FOR THE PRIME LIN:				
29a. C5 (Y/N): Y	29b. C17 (Y/N): Y	29c. C130 (Y/N): Y	29d. C141 (Y/N): Y	29e. OTHER (Y/N): N
29f. TRANSPORTABILITY REMARKS: Can be transported externally by CH-47 external load.				
30a. TRANSPORTER WEIGHT CAPACITY LIMIT (lbs): 1400			30b. TRANSPORTER CUBE CAPACITY LIMIT (cu ft): 0	
31a. TACTICAL WEIGHT CAPACITY (lbs): Unknown			31b. TACTICAL CUBIC FEET CAPACITY (cu ft): Unknown	
32. POWER CONSUMPTION DATA:				
32a. AMPERAGE DATA: NA	32b. VOLTAGE PHASE - PREFERRED: 120/220 Vac	32c. START UP kW: NA	32d. RUNNING AMPS: 88	32e. FREQUENCY - PREFERRED: 60 Hz
32f. POWER FACTOR: 0	32g. RUNNING kW: 9600	32h. POWER CONSUMPTION TECHNICAL REFERENCE: TM 9-5895-681-20		
32i. POWER CONSUMPTION REMARKS: Data is based on user test. Power source is trailer mounted 100 kW MEP 803A TQG, LIN G74711				
32j. PRECISE POWER REQ (Y/N): N		32k. VOLTAGE PHASE - ALTERNATE: NA		32l. INRUSH FACTOR: NA
32m. START UP AMPS: NA		32n. FREQUENCY - ALTERNATE: NA		32o. RATED TEMP (F): NA
33. POWER GENERATOR DATA:				
33a. POWER MAX kW: NA	33b. PRECISE POWER: NA	33c. E2S2 NR: NA	33d. PU NR: NA	
33. RATED PARAMETERS:				
33e. HIGH TEMP (F): NA		33f. LOW TEMP (F): NA	33g. ALTITUDE (ft): 0	33h. TEMP FOR ALTITUDE (F): 0
33i. RATED START FACTOR: 0		33j. DbA-7m (Decibels): NA		33k. POWER GENERATOR TECHNICAL REFERENCE: NA
VOLTAGE PHASE - PREFERRED:				
33l. VOLTAGE PHASE - ALTERNATE: NA		33m. FREQUENCY - PREFERRED: NA		33n. FREQUENCY - ALTERNATE: NA
TRANSPORT DATA:				
33o. MODE: NA		33p. Nr PER MODE: NA		33q. CAPACITY: NA
33r. MODEL: NA			33s. FUEL: NA	
33t. POWER GENERATOR REMARKS: None				
33u. MAINTENANCE/PERSONNEL DATA: None				

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Figure 3-1. DA Form 7751—Continued

34a. DPAMMH FOR PRIME LIN: Unknown		34b. LIFE UNIT: Unknown		
34c. LIFE MMHB:	34d. FIELD MOS:	34e. SUSTAINMENT DPAMMH:	34f. DPAMMH:	34g. AUTH DPAMMH:
4380	15J	(AVIATION AMC) (AVIATION ASC)	710.61	Unknown
4380	15JTI	NA	68.33	Unknown
NA	NA	NA	NA	NA
NA	NA	NA	NA	NA
NA	NA	NA	NA	NA
AUTH TYPE:				
34h. DATE:	34i. CD:	34j. DATA:	34k. NOTES:	
20080606	None	None	None	
34l. JUSTIFICATION/RATIONALE: 2LM EDATE 2001/04/01				34m. EDATE: 20151119
34n. BOIP: 21				
34o. JUSTIFICATION/RATIONALE: Technical Inspector (TI)				
35a. COMPONENT MAJOR ITEMS (CMI): Air Conditioner: FL/WALL A/C AC 208V 3PH 60CY 18000 BTU CMP HZ RA NO: 1				
35b. LIN: A24463	35c. RIC: B16	35d. GEN-NOMEN: NA		
35e. MOS:	35f. LIFE UNIT:	35g. FIELD DPAMMH:	35h. SUSTAINMENT DPAMMH:	
91C	O	222.5	63	
NA	NA	NA	NA	
NA	NA	NA	NA	
NA	NA	NA	NA	
35i. NOTES: None				
35j. LIN: S01563	35k. RIC: A12	35l. GEN-NOMEN: Shelter: NONEXPD LTWR MP RIGID -WALL S788 102LX84		
35m. MOS:	35n. LIFE UNIT:	35o. FIELD DPAMMH:	35p. SUSTAINMENT DPAMMH:	
44B	O	.20	.10	
NA	NA	NA	NA	
NA	NA	NA	NA	
NA	NA	NA	NA	
35q. NOTES: 51				
36a. TOTAL DPAMMH FOR PRIME LIN AND COMPONENT MAJOR ITEM: G39497				
36b. MOS:	36c. FIELD DPAMMH (AVIATION AMC):	36d. SUSTAINMENT DPAMMH (AVIATION ASC):	36e. MARC NOTES:	
15J	710.61	00	21	
15JTI	68.33	00	21	
44B	.20	0.1	51	
91C	222.5	63	none	
37a. OPERATOR (PRIME LIN): NA				
37b. QUANTITY DUTY POSITION: 2 Unmanned Aircraft System Operator		37c. RECOMMENDED DUTY POSITION: 15W		
37d. RECOMMENDED MOS: 15W		37e. SYSTEM ADMINISTRATOR (PRIME LIN): None		37f. QUANTITY: NA
37g. DUTY POSITION: NA				37h. RECOMMENDED MOS: NA

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Figure 3-1. DA Form 7751—Continued

38a. UNIQUE DUTIES, TASKS AND CHARACTERISTICS NOT LISTED IN DA PAM 611-21: FTP://128.190.158.55/DB7K9V:						
38b. NOTE 1: Unmanned aircraft system operators have three (3) shifts in both mission planning and control section and launch and recovery section						
38c. NOTE 2: One mission commander 15w per shift in mission planning and control section						
39. ASSOCIATED SUPPORT ITEMS OF EQUIPMENT (ASIOE):						
39a. LIN:	39b. RIC:	39c. GEN-NOMEN:	39d. LOGISTICS CONTROL CODE:	39e. RATIO:		
A33020	A12	Alarm: Chemical Agent Automatic M22	A	1/1		
C18391	B17	Computer Sys: digital	A	1/1		
C61191	B16	Computer Set Digital: AN/TYQ-151(V)1 ULLS-A(E)	A	1/1		
C89480	B16	Camouflage Net System Radar Scattering: AN/USQ-1	A	1/1		
N96248	B16	Camouflage Net System Radar Scattering: AN/U	A	1/1		
R44999	B16	Radio set: AN/VRC-89F(C)	A	2/1		
R45543	B16	Radio Set: AN/VRC-92F(C)	A	1/1		
T37588	AKZ	Truck Utility Expanded Capacity Enhanced: M1165A1	A	1/1		
NA	NA	NA	NA	NA		
40. EQUIPMENT TO BE REPLACED: None						
40a. LIN:	40b. GEN-NOMEN:					
T56383	Trk Utility Expanded Capacity Enh 4X4: M1165A1					
40c. REMARKS: Tunnel Mounted APU MEP-903A 10KW generator has been removed from the GCS. Power for the GCS is now provided by separate trailer mounted mep-803a that is pulled by a separate M1165A1 HMMWV. All sustainment maintenance and TCAS peculiar supply functions performed under performance based logistics (PBL) product support contract by contractor product support integrator (PSI) per performance based agreement (PBA) with the user. Motor maintenance, including generators, provided by parent company/battalion/brigade.						
DPAMMH FOR ASSOCIATED SUPPORT ITEMS OF EQUIPMENT (ASIOE):						
40d. LIN:	40e. RIC:	40f. LOGISTICS CONTROL CODE:	40g. LVL USE:	40h. RATIO:		
G74711	B16	GEN SET, DED, 10KW TQG, 60 HZ SKID MTD M	UL	1:1		
40i. GEN-NOMEN: NA						
40j. MOS:	40k. LIFE LMT:	40l. UL DPAMMH:	40m. DS DPAMMH:	40n. GS DPAMMH:	40o. FIELD DPAMMH:	40p. SUSTAINMENT DPAMMH:
52D	0	0.00	0.00	0.00	150.80	98.80
40q. NOTE:			40r. DESCRIPTION:			
Support			Support for environmental control unit (ECU) 18,000 BTU (LIN A24463) provided via			
NA			support contract, Amendment 1: Added an ASIOE HMMWV M1165A1. Deleted			
NA			cargo trailer and generator.			
40s. REMARKS: None						

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Figure 3-1. DA Form 7751—Continued

41. POINT OF CONTACTS:			
41a. CAPABILITY DEVELOPER:			
NAME: Mike Doe	DUTY ADDRESS: Huntsville, AL	DUTY PHONE NUMBER: 334-123-1234	DUTY EMAIL: mike.do.civ@mail.mil
41b. MATERIAL DEVELOPER:			
NAME: John Doe	DUTY ADDRESS: Orlando, FL	DUTY PHONE NUMBER: 123-123-1234	DUTY EMAIL: john.doe@disney.com
41c. BOIPFD DATA PREPARER:			
NAME: Sue Doe	DUTY ADDRESS: Ft. Belvior, VA	DUTY PHONE NUMBER: 776-123-1234	DUTY EMAIL: sue.doe.civ@mail.mil
41d. BOIPFD DEVELOPER:			
NAME: SFC Roger Doe	DUTY ADDRESS: Ft. Belvior, VA	DUTY PHONE NUMBER: 776-123-1235	DUTY EMAIL: roger.doe.mil@mail.mil
41e. MOS AND MAINTENANCE MAN-HOUR PREPARER:			
NAME: Dave Doe	DUTY ADDRESS: Ft Eustis, VA	DUTY PHONE NUMBER: 443-876-9876	DUTY EMAIL: dave.doe.civ@mail.mil
41f. MOS PREPARER:			
NAME: Mary Doe	DUTY ADDRESS: Huntsville, AL	DUTY PHONE NUMBER: 334-123-1245	DUTY EMAIL: mary.doe.civ@mail.mil
41g. MAINTENANCE MAN-HOURS PREPARER: 20			
41h. SYSTEM MAINTENANCE SUPPORT PROPONENT: 10			
41i. SYSTEM MAINTENANCE SUPPORT PROPONENT 2: 10			
41j. SYSTEM MAINTENANCE SUPPORT PROPONENT 3: NA			
41k. SYSTEM MAINTENANCE SUPPORT PROPONENT 4: NA			
42. REASON FOR DISAPPROVAL: NA			
43. RETURNED: NA			
44. FIELD SUPPORT: NA			
45. AMENDMENT: BOIPFD will be re-worked.			
46a. END OF REPORT: 20110808			
46b. BLK:	46c. BLK TITLE:	46d. POS IN TEXT:	46e. CHG/ADD:
6	Type Subm	N/A	Initial
7	Amnd-No	N/A	N/A
8	Mat Dev Stat	N/A	A
22B	Sustainment Training	1	N/A
22a	New Equipment Training	1	N/A
23	Description	74	N/A
28	Fuel Tank Capacity (Gallon)	N/A	25.0
41	Remarks	181	N/A

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Figure 3-1. DA Form 7751—Continued

Appendix A

References

Section I

Required Publications

AR 71–32

Force Development and Documentation Consolidated Policies (Cited on title page.)

AR 700–127

Integrated Product Support (Cited on title page.)

AR 710–1

Centralized Inventory Management of the Army Supply System (Cited in para 3–6c.)

SB 700–20

Army Adopted/Other Items Selected for Authorization/List of Reportable Items (Cited in table 2–2.)

Section II

Related Publications

A related publication is a source of additional information. The user does not have to read it to understand this publication.

AR 25–30

The Army Publishing Program

AR 700–142

Type Classification, Materiel Release, Fielding, and Transfer

AR 708–1

Logistics Management Data and Cataloging Procedures for Army Supplies and Equipment

AR 710–3

Inventory Management Asset and Transaction Reporting System

DA Pam 611–21

Military Occupational Classification and Structure

Section III

Prescribed Forms

Unless otherwise indicated, DA forms are available on the Army Publishing Directorate website (<https://armypubs.army.mil/>).

DA Form 7751

Logistics Integrated Database Basis of Issue Plan Feeder Data (Prescribed in para 1–4.)

Section IV

Referenced Forms

Unless otherwise indicated, DA forms are available on the Army Publishing Directorate website (<https://armypubs.army.mil/>); DD forms are available on the Office of the Secretary of Defense website (<https://www.esd.whs.mil/directives/forms/>).

DA Form 2028

Recommended Changes to Publications and Blank Forms

DD Form 61

Request for Nomenclature

Glossary

Section I

Abbreviations

ACAT

acquisition category

AMDF

Army Master Data File

AMND–NO

amendment number

amps

amperages

AR

Army regulation

ASIOE

associated support items of equipment

ASIOEP

associated support items of equipment and personnel

BOIP

basis of issue plan

BOIPFD

basis of issue plan feeder data

BOIP–NO

basis of issue plan number

CAPDEV

capability developer

CARDS

catalog of approved requirements documents system

CARDS–NO

Catalog of Approved Requirements Documents System numbers

CASCOM

Combined Arms Support Command

CCI

controlled cryptographic item

CDD

capability development document

CMI

Component Major Item

COMSEC

communications security

CPD

capability production document

cPROBE

Army Programming, Budget, and Execution

cQuiP

Cloud Equipping

CTA
common table of allowances

cu ft
cubic feet

DbA
Decibels

DCS
Deputy Chief of Staff

DPAMMH
direct productive annual maintenance man-hours

DSN
defense switched network

E2S2
Expeditionary Energy and Sustainment Systems

E2S2 NR
Expeditionary Energy and Sustainment Systems number

ECU
environmental control unit

EST. COST PROD MOD
estimated cost production model

EST. FUE DATE
estimated first unit equipped date

EST. TC DATE
estimated type classification date

FEDLOG
Federal Logistics

ft
feet

FUE
first unit equipped

FUND STAT
funding status

GEN-NOMEN
generic nomenclature

HQDA
Headquarters, Department of the Army

Hr
hour

Hz
Hertz

in
inch

IPT
integrated product team

JSOR
Joint Service Operational Requirement

km
kilometer

KPP
key performance parameters

KSA
key system attributes

kW
kilowatts

lb
pound

LCC
logistics control code

LCMC
life cycle management command

LDAC
Logistics Data Analysis Center

LIN
line item number

LMP
Logistics Modernization Program

LR
letter requirement

MAC
maintenance allocation chart

MARC
manpower requirements criteria

MAT DEV STAT
MATDEV status code

MATCAT
materiel category

MATDEV
materiel developer

MIS CD
major item system code

MMHB
Maintenance Man-Hour Baseline

MOS
military occupational specialty

NET
new equipment training

NET PLAN NO
new equipment training plan number

NYA
not yet assigned

OTOE
Objective Table of Organizational Equipment

PM
program manager

PMCS
preventive maintenance checks and services

POC
point of contact

POL-EQUIP-CTGY
Petroleum, oil and lubricant category

PSM
product support manager

PSM IPT
product support manager integrated product team

PWR_GEN_PWR_MAX
power generator power maximum

PWR-CONS-RUNNING-AMPS
power consumer running amperage

RD
requirements document

RDT&E
research, development, test and evaluation

RIC
routing identifier code

SB
supply bulletin

SC
supply category

SSO
staff synchronization officer

STAT DATE
status date

SYS DESC
system description

T/O
thresholds/objectives

TC
type classification

TDA
table of distribution and allowances

TEMP
temperature

TOE
table of organization and equipment

TRADOC
U.S. Army Training and Doctrine Command

TRANS_MODE
transportation mode

TSM

TRADOC system manager

TUAV

tactical unmanned aerial vehicle

TWV

tactical wheeled vehicle

TYPE SUBM

type of submission

USAFMSA

U.S. Army Force Management Support Agency

Vac

volts alternating current

Vdc

volts direct current

ZLIN

developmental line item number

Section II**Terms****Associated support items of equipment**

ASIOE and personnel are items of equipment and personnel exclusively dedicated to support the major end item to maintain, operate, or transport. ASIOE and personnel costs are included in the BOIPFD for the item that drives the requirements(s).

Developmental line item number

ZLINs are alphanumeric LINs consisting of the letter Z and five numerals ranging from Z00001 through Z99999. They are assigned to items being developed under HQDA-approved materiel development projects, prior to the type classified standard.

First unit equipped date

The first scheduled date for handoff of a new materiel system in a gaining command.

Life unit

A measure of use duration applicable to the item of equipment expressed in one position alphabetic code.

Line item number

The LIN is a six-character alphanumeric identification of the GEN–NOMEN assigned to identify nonexpendable and type classified expendable or durable items of equipment during their life cycle authorization and supply management.

Logistics Information Warehouse

The Army's single authoritative location for all Army materiel stakeholders to access materiel data. It facilitates the integration of legacy systems data with emerging Enterprise Resource Planning data to provide critical strategic business analytics and business intelligence for today's logistics leaders.

Manpower requirements criteria

MARC is HQDA-approved staffing standards used to determine minimum mission-essential wartime personnel requirements for combat support and sustainment functions in TOE.

New equipment training

The identification of personnel, training, training aids and devices, and the transfer of knowledge gained during the development from the MATDEV to the trainer, user, and supporter.

New equipment training plan

The plan to coordinate the resources and schedule for training of staff planners, testers, trainers, users, and LARs.

Standard line item number

Standard LINs are alphanumeric LINs consisting of one letter and five numbers ranging from A00001 through Y99999 (except alpha I and O). They are used to identify all national stock numbered nonexpendable and type classified expendable or durable items.

Supply class or supply category code

A code which categorized items of supply within one of 10 supply classes and sub-class, if appropriate.

Type classification

TC is the process through which the MATDEV identifies the degree of acceptability of a materiel item for Army use.

UNCLASSIFIED

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