Instructions for Basis of Issue Plan Feeder Data Submissions
SUMMARY

DA PAM 700–27
Instructions for Basis of Issue Plan Feeder Data Submissions

This new Department of the Army pamphlet, dated 30 November 2015--

- Introduces DA Form 7751 (Logistics Integrated Database Basis of Issue Plan Feeder Data), which is used to capture basis of issue plan feeder data prior to submitting to the U.S. Army Force Management Support Agency automated database (para 1-4).

- Provides a basis of issue plan feeder data process map (fig 2-1).

- Provides step-by-step instructions for developing and submitting basis of issue plan feeder data (throughout).
History. This is a new publication.

Summary. This pamphlet provides procedures for developing basis of issue plan feeder data submissions to develop 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 Active 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 command levels C, D, and E for the Active Army, Army National Guard/Army National Guard of the United States, and U.S. Army Reserve.
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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
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 the 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 the Standard Study Number-Line Item Number Automated Management and Integrating System (SLAMIS).

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 http://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 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. Failure to ensure data accuracy may be cause for rejection by USAFMSA and delay approval of the BOIP.

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 the Logistics Information Warehouse (LIW) Web Logistics Integrated Database (WLIDB) located at https://liw.logsa.army.mil/ and notify the USAFMSA Standardization, Analysis and Integration Branch by email and/or telephone. A LIW account is required to submit the BOIPFD captured on the DA Form 7751.

i. Upon notification of posting the BOIPFD to the LIW 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.
   (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**

![Diagram of the process]

**Process Steps:**
1. PM prepares draft of BOIPFD
2. PSM IPT reviews/modifies draft BOIPFD, coordinates and prepares for submission to LIW
3. LMC/PEO may conduct final review prior to submission (not all cases)
4. LMC/PEO submits BOIPFD to LIW (enters data into LIW)
5. PM releases data to USAFMSA for review once complete
6. USAFMSA reviews submission for completeness and correctness
7. USAFMSA accepts/rejects data and provides feedback for corrections when rejected

**Notes:**
1. Current start for Segment 1 is with the decomposition of approved CDD and ZLIN establishment

*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 Joint Service Operational Requirement (JSOR) (with or without a CARDS number). The BOIPFD will be submitted using the LIW BOIPFD module located in LIW.

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
The following table describes the responsible agent, activity, and recommended planning timeline.

<table>
<thead>
<tr>
<th>Responsible agent</th>
<th>Activity</th>
<th>Timeline (work days)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAPDEV</td>
<td>Approved capability document</td>
<td>+</td>
</tr>
<tr>
<td>Logistics Support Activity (LOGSA)</td>
<td>ZLIN issued</td>
<td>+</td>
</tr>
<tr>
<td>MATDEV</td>
<td>Assemble PSM IPT</td>
<td>60</td>
</tr>
<tr>
<td>PSM IPT</td>
<td>First meeting and task assignment</td>
<td>55</td>
</tr>
<tr>
<td>PSM IPT</td>
<td>Develop BOIPFD per task assignment</td>
<td>40</td>
</tr>
<tr>
<td>PSM IPT</td>
<td>Reviews all data elements</td>
<td>38</td>
</tr>
<tr>
<td>PSM IPT</td>
<td>Revises initial data per task assignment</td>
<td>23</td>
</tr>
<tr>
<td>PSM IPT</td>
<td>Reviews revised data elements</td>
<td>21</td>
</tr>
<tr>
<td>PSM IPT</td>
<td>Revises data per task assignment</td>
<td>11</td>
</tr>
<tr>
<td>PSM IPT</td>
<td>Final reviews of data elements for submission</td>
<td>9</td>
</tr>
<tr>
<td>MATDEV</td>
<td>Approves or disapproves BOIPFD</td>
<td>8</td>
</tr>
<tr>
<td>MATDEV</td>
<td>If BOIPFD is approved, submits BOIPFD to LIW</td>
<td>3</td>
</tr>
<tr>
<td>USAFMSA</td>
<td>Receives notification that BOIPFD submission into LIW is complete</td>
<td>0</td>
</tr>
</tbody>
</table>

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
The following table provides a summary of DA Form 7751 data elements.
<table>
<thead>
<tr>
<th>Block</th>
<th>Block title</th>
<th>Block description</th>
<th>Data owner</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PRIME LIN</td>
<td>The LIN that pertains to the BOIPFD item listed in the generic nomenclature.</td>
<td>LOGSA</td>
</tr>
<tr>
<td>2</td>
<td>GEN-NOMEN</td>
<td>This is the generic nomenclature (GEN-NOMEN) and type designator, exactly as it appears, or will appear, in SB 700–20.</td>
<td>MATDEV</td>
</tr>
<tr>
<td>3</td>
<td>MIS CD</td>
<td>The major item system code (MIS CD) identifies a system via an alphanumeric code.</td>
<td>Life Cycle Management Command (LCMC)</td>
</tr>
<tr>
<td>4</td>
<td>SYS DESC</td>
<td>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.</td>
<td>CAPDEV/ MATDEV</td>
</tr>
<tr>
<td>5</td>
<td>BOIP–NO</td>
<td>The basis of issue plan number (BOIP–NO) is assigned after the initial BOIPFD is received and accepted by USAFMSA.</td>
<td>USAFMSA</td>
</tr>
<tr>
<td>6</td>
<td>TYPE SUBM</td>
<td>The type of submission (TYPE SUBM) for BOIPFD. Two entries are acceptable here, initial or amended.</td>
<td>MATDEV</td>
</tr>
<tr>
<td>7</td>
<td>AMND–NO</td>
<td>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.</td>
<td>USAFMSA</td>
</tr>
<tr>
<td>8</td>
<td>MAT DEV STAT</td>
<td>LIW will automatically populate the MATDEV status code (MAT DEV STAT), which is the date the report is being run.</td>
<td>LCMC or USAFMSA</td>
</tr>
<tr>
<td>9</td>
<td>STAT DATE</td>
<td>LIW will automatically populate the status date (STAT DATE), which is the date the report is being run.</td>
<td>LCMC or USAFMSA</td>
</tr>
<tr>
<td>10</td>
<td>EST. TC DATE</td>
<td>This block contains the estimated type classification date (EST. TC DATE) for TC standard for the equipment.</td>
<td>MATDEV</td>
</tr>
<tr>
<td>11</td>
<td>EST. FUE DATE</td>
<td>This is the estimated first unit equipped date (EST. FUE DATE) of the equipment.</td>
<td>MATDEV</td>
</tr>
<tr>
<td>12</td>
<td>EST. COST PROD MOD</td>
<td>Estimated cost production model (EST. COST PROD MOD) is the estimated cost of one production model.</td>
<td>Project Leader or Production Engineer</td>
</tr>
<tr>
<td>13</td>
<td>FUND STAT</td>
<td>Funding status (FUND STAT) indicates whether or not the project is funded or unfunded.</td>
<td>DCS, G–8</td>
</tr>
<tr>
<td>14</td>
<td>STANDARD STUDY NUMBER</td>
<td>DCS, G–8 assigns the standard study number.</td>
<td>DCS, G–8</td>
</tr>
<tr>
<td>15</td>
<td>APPROPRIATION AND BUDGET ACTIVITY</td>
<td>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).</td>
<td>DCS, G–8</td>
</tr>
<tr>
<td>16</td>
<td>CARDS–NO</td>
<td>The Catalog of Approved Requirements Documents System numbers (CARDS–NOs) are distributed and maintained by DCS, G–3/5/7.</td>
<td>DCS, G–3/5/7 and TRADOC</td>
</tr>
<tr>
<td>17</td>
<td>APPROVED REQUIREMENTS DOCUMENTS</td>
<td>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</td>
<td>Army Requirements Oversight Council/Joint Requirements Oversight Council</td>
</tr>
<tr>
<td>18</td>
<td>RIC</td>
<td>The routing identifier code (RIC) is found in SB 700–20 and indicates the LCMC responsible for managing BOIPFD.</td>
<td>LCMC</td>
</tr>
<tr>
<td>19</td>
<td>Supply Category</td>
<td>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.</td>
<td>FEDLOG</td>
</tr>
<tr>
<td>20</td>
<td>PROPONENT CODE</td>
<td>This field represents the organization that supports the development of the BOIP.</td>
<td>LOGSA</td>
</tr>
<tr>
<td>21</td>
<td>NET PLAN NO</td>
<td>The new equipment training plan number (NET PLAN NO) is the number of the NET plan.</td>
<td>MATDEV</td>
</tr>
<tr>
<td>22</td>
<td>TRAINING REQUIREMENTS</td>
<td>This block identifies the total training requirements for the BOIPFD item system fielding to include NET and sustainment training.</td>
<td>MATDEV/ TRADOC</td>
</tr>
<tr>
<td></td>
<td>DESCRIPTION (Functional Capability)</td>
<td>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.</td>
<td>CAPDEV/ MATDEV</td>
</tr>
<tr>
<td>---</td>
<td>----------------------------------</td>
<td>-------------------------------------------------------------------------------------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>24</td>
<td>PRIME USE (Nontechnical)</td>
<td>This describes the LIN's primary uses.</td>
<td>TRADOC</td>
</tr>
<tr>
<td>25</td>
<td>EMPLOYMENT</td>
<td>This describes the prime LIN's proposed methods of employment.</td>
<td>CAPDEV</td>
</tr>
<tr>
<td>26</td>
<td>BASIS OF ISSUE</td>
<td>This describes the prime LIN's proposed basis of issue.</td>
<td>TRADOC</td>
</tr>
<tr>
<td>27</td>
<td>PHYSICAL DATA</td>
<td>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.</td>
<td>MATDEV</td>
</tr>
<tr>
<td>28</td>
<td>FUEL CONSUMPTION</td>
<td>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.</td>
<td>Combined Arms Support Command (CASCOM)</td>
</tr>
<tr>
<td>29</td>
<td>TRANSPORTABILITY REQUIREMENT FOR THE PRIME LIN</td>
<td>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.</td>
<td>CAPDEV</td>
</tr>
<tr>
<td>30</td>
<td>a. TRANSPORTER WEIGHT CAPACITY LIMIT (pounds (lbs))</td>
<td>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.</td>
<td>MATDEV</td>
</tr>
<tr>
<td></td>
<td>b. TRANSPORTER CUBE CAPACITY LIMIT (cu ft)</td>
<td>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).</td>
<td>MATDEV</td>
</tr>
<tr>
<td>31</td>
<td>a. TACTICAL WEIGHT CAPACITY (TWV) (lbs)</td>
<td>a. This is 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 into the vehicle without overloading the vehicle and is used only for LINs that use transportation platforms.</td>
<td>MATDEV</td>
</tr>
<tr>
<td></td>
<td>b. TACTICAL CUBIC FEET CAPACITY</td>
<td>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.)</td>
<td>MATDEV</td>
</tr>
<tr>
<td>32</td>
<td>POWER CONSUMPTION DATA</td>
<td>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.</td>
<td>CASCOM/ MATDEV</td>
</tr>
<tr>
<td>33</td>
<td>POWER GENERATION DATA</td>
<td>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.</td>
<td>CASCOM/ MATDEV</td>
</tr>
<tr>
<td>34</td>
<td>DPAMMH FOR Prime LIN</td>
<td>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 all apply to DPAMMH FOR Prime LIN data.</td>
<td>CAPDEV/ MATDEV</td>
</tr>
<tr>
<td>35</td>
<td>COMPONENT MAJOR ITEMS (CMI)</td>
<td>This block lists all CMIs.</td>
<td>MATDEV</td>
</tr>
<tr>
<td>36</td>
<td>TOTAL DPAMMH FOR PRIME LIN AND COMPONENT MAJOR ITEM</td>
<td>This is an automatic computation performed by LIW, and is a summary of Block 34 prime LIN maintenance hours plus Block 35 CMI items maintenance hours with their ratio taken into account.</td>
<td>LOGSA</td>
</tr>
<tr>
<td>37</td>
<td>OPERATOR (PRIME LIN)</td>
<td>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.</td>
<td>TRADOC/ CASCOM</td>
</tr>
</tbody>
</table>
Table 2–2
DA Form 7751 data elements—Continued

<table>
<thead>
<tr>
<th>Block</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>38</td>
<td>UNIQUE DUTIES, TASKS, AND CHARACTERISTICS NOT LISTED IN DA PAM 611–21</td>
<td>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.</td>
</tr>
<tr>
<td>39</td>
<td>ASSOCIATED SUPPORT ITEMS OF EQUIPMENT (ASIOE)</td>
<td>This lists any item required for maintaining, transporting, or operating the prime LIN. Definition and criteria for ASIOE determination are in AR 71–32.</td>
</tr>
<tr>
<td>40</td>
<td>EQUIPMENT TO BE REPLACED</td>
<td>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).</td>
</tr>
<tr>
<td>41</td>
<td>POINT OF CONTACTS (POC)</td>
<td>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.</td>
</tr>
<tr>
<td>42 through 46</td>
<td>The program office should not fill in these blocks. Leave these blocks blank for USAFMSA to fill in as required (see para 3–45).</td>
<td></td>
</tr>
</tbody>
</table>

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 WLIDB, 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 WLIDB, 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 SLAMIS system routes the ZLIN request to LOGSA for the actual assignment of the ZLIN. ZLINS are tracked in SLAMIS (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 generic nomenclature 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 generic nomenclature 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 generic nomenclature (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 WLIDB 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 WLIDB 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. WLIDB 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.
3–12. Block 9—STAT DATE
Leave this block blank, WLIDB 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 SLAMIS 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 SLAMIS 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. SLAMIS 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).

The CARDS number is distributed and maintained by the DCS, G–3/5/7. If the CARDS number has not been assigned the CG, 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 SLAMIS (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.
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).

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

Table 3–1 Requirements documents and their associated type codes

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

<table>
<thead>
<tr>
<th>1st position</th>
<th>2nd position</th>
</tr>
</thead>
<tbody>
<tr>
<td>7=Major end item</td>
<td>G=Communication</td>
</tr>
<tr>
<td>2=Secondary end item</td>
<td>P=Intelligence</td>
</tr>
<tr>
<td>9=Spare/repair parts (BOIP not required)</td>
<td></td>
</tr>
</tbody>
</table>

3–23. Block 20—PROONENT 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Agency</th>
<th>Office symbol</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>CAC, TPIO–ABCS</td>
<td>CAC</td>
<td>FORT LEAVENWORTH, KS</td>
</tr>
<tr>
<td>103</td>
<td>AIR DEF C&amp;S</td>
<td>ADS</td>
<td>FORT BLISS, TX</td>
</tr>
<tr>
<td>105</td>
<td>Belvoir Combat</td>
<td></td>
<td></td>
</tr>
<tr>
<td>106</td>
<td>Armor C&amp;S</td>
<td>ARS</td>
<td>FORT BENNING, GA</td>
</tr>
<tr>
<td>109</td>
<td>Field ARTY C&amp;S</td>
<td>FAS</td>
<td>FORT SILL, OK</td>
</tr>
<tr>
<td>112</td>
<td>AVN C&amp;S</td>
<td>AVN</td>
<td>FORT RUCKER, AL</td>
</tr>
<tr>
<td>122</td>
<td>Signal C&amp;S</td>
<td>SIGS</td>
<td>FORT GORDON, GA</td>
</tr>
<tr>
<td>123</td>
<td>Maneuver Support Center</td>
<td></td>
<td>FORT BENNING, GA</td>
</tr>
<tr>
<td>124</td>
<td>Engineer C&amp;S</td>
<td>ENS</td>
<td>FORT LENARDWOOD, MO</td>
</tr>
<tr>
<td>127</td>
<td>Infantry C&amp;S</td>
<td>INS</td>
<td>FORT BENNING, GA</td>
</tr>
<tr>
<td>132</td>
<td>Battlefield SURV Brigade</td>
<td></td>
<td></td>
</tr>
<tr>
<td>133</td>
<td>INTEL C&amp;S</td>
<td>ITS</td>
<td>FORT HUACHUCA, AZ</td>
</tr>
<tr>
<td>135</td>
<td>MIL Police C&amp;S</td>
<td>MPS</td>
<td>FORT LENARDWOOD, MO</td>
</tr>
<tr>
<td>136</td>
<td>Chemical C&amp;S</td>
<td>CHEMS</td>
<td>FORT LENARDWOOD, MO</td>
</tr>
<tr>
<td>149</td>
<td>SPEC OPS CMD</td>
<td>SOC</td>
<td>FORT BRAGG, NC</td>
</tr>
<tr>
<td>300</td>
<td>CASCOM</td>
<td>CSS</td>
<td>FORT LEE, VA</td>
</tr>
<tr>
<td>311</td>
<td>CASCOM Echelons above Corps</td>
<td></td>
<td>FORT LEE, VA</td>
</tr>
<tr>
<td>321</td>
<td>Multifunctional Brigade Log Branch</td>
<td></td>
<td>FORT LEE, VA</td>
</tr>
<tr>
<td>325</td>
<td>ORDNANCE C&amp;S</td>
<td>ORS</td>
<td>FORT LEE, VA</td>
</tr>
<tr>
<td>326</td>
<td>MISL &amp; MUN SCH</td>
<td>MMS</td>
<td>REDSTONE ARSENAL, AL</td>
</tr>
<tr>
<td>341</td>
<td>Quartermaster C&amp;S</td>
<td>QMS</td>
<td>FORT LEE, VA</td>
</tr>
<tr>
<td>347</td>
<td>TRANS C&amp;S</td>
<td>TCS</td>
<td>FORT LEE, VA/FORT EUSTIS, VA</td>
</tr>
<tr>
<td>348</td>
<td>AVN LOG SCH</td>
<td>AVNLOG</td>
<td>FORT EUSTIS, VA</td>
</tr>
<tr>
<td>600</td>
<td>Soldier SPT INS</td>
<td>SSC</td>
<td>FORT JACKSON, SC</td>
</tr>
<tr>
<td>606</td>
<td>ADJ GEN C&amp;S</td>
<td>AGS</td>
<td>FORT JACKSON, SC</td>
</tr>
<tr>
<td>608</td>
<td>Finance C&amp;S</td>
<td>FIS</td>
<td>FORT JACKSON, SC</td>
</tr>
<tr>
<td>609</td>
<td>Chaplain C&amp;S</td>
<td>CHS</td>
<td>FORT JACKSON, SC</td>
</tr>
<tr>
<td>615</td>
<td>JAG C&amp;S</td>
<td>TJAGS</td>
<td>CHARLOTTESVILLE, VA</td>
</tr>
<tr>
<td>627</td>
<td>ACAD HLTH SVC</td>
<td>AHS</td>
<td>FORT SAM HOUSTON, TX</td>
</tr>
<tr>
<td>715</td>
<td>USAFMSA</td>
<td>USAFMSA</td>
<td>FORT LEAVENWORTH, KS</td>
</tr>
</tbody>
</table>
Table 3–3
Proponent codes—Continued

<table>
<thead>
<tr>
<th>Code</th>
<th>Proponent and Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>801</td>
<td>Network Enterprise Technical CMD</td>
</tr>
<tr>
<td>814</td>
<td>SPACE and Missile Defense CMD, SMDC, REDSTONE ARSENAL, AL</td>
</tr>
<tr>
<td>820</td>
<td>Army Materiel CMD, AMC, REDSTONE ARSENAL, AL</td>
</tr>
<tr>
<td>OTH</td>
<td>Other</td>
</tr>
</tbody>
</table>

Legend for Table 3-3:
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. Blocks 22—TRAINING REQUIREMENTS
This block should detail the total training requirements for the system (unlimited space). Training base requirements are located at https://amtas.logsa.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>
<thead>
<tr>
<th>Table 3–4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code</td>
</tr>
<tr>
<td>------</td>
</tr>
<tr>
<td>AB</td>
</tr>
<tr>
<td>AV</td>
</tr>
<tr>
<td>CE</td>
</tr>
<tr>
<td>GN</td>
</tr>
<tr>
<td>HG</td>
</tr>
<tr>
<td>MH</td>
</tr>
<tr>
<td>SG</td>
</tr>
<tr>
<td>SV</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>OV</td>
<td>Other vehicles</td>
</tr>
<tr>
<td>TV</td>
<td>Tracked vehicles</td>
</tr>
<tr>
<td>WV</td>
<td>Wheeled vehicles</td>
</tr>
</tbody>
</table>

Table 3–5  
**Fuel types**

<table>
<thead>
<tr>
<th>Code</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Gasoline, Aviation, Bulk (JP4)</td>
</tr>
<tr>
<td>2</td>
<td>Turbine Fuel, Aviation, Bulk (JP8)</td>
</tr>
<tr>
<td>3</td>
<td>Diesel Fuel Oil, Marine</td>
</tr>
<tr>
<td>4</td>
<td>Gasoline, Auto, Combat</td>
</tr>
</tbody>
</table>

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**

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

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, R&Ds, 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 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 (1 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-INRUSH-FACTOR). 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/
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. This number is assigned by PM E2S2. Only used for electrical power producing LINs (such as generators and power units) (one character 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 (six 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 (six 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 (six 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). 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 33u: 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 33v: 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>
<thead>
<tr>
<th>Number</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Gasoline</td>
</tr>
<tr>
<td>2</td>
<td>Diesel</td>
</tr>
<tr>
<td>3</td>
<td>Alcohol</td>
</tr>
<tr>
<td>4</td>
<td>Multi-Fuel</td>
</tr>
<tr>
<td>5</td>
<td>Avgas</td>
</tr>
</tbody>
</table>
3–37. Block 34—DPAMMH FOR PRIME LIN

Block 34 is designed to capture the direct productive annual maintenance man-hours (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 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. MARC data can also be found at LOGSA’s LIW Web site http://liw.logsa.army.mil. A user account is required to access the system.

(3) POWERLOG is a LOGSA product located at https://liw.logsa.army.mil/. A user account is required to access the system.

(4) Post Fielding Support Analysis is a LOGSA product located at https://liw.logsa.army.mil/ A user account is required to access the system. This tool captures maintenance data for selected systems. Caution should be used when using this tool as it contains PMCS and may not contain off-system repair or wartime scenario data.

(5) The Operational and Support Management System. This database located at https://www.osmisweb.army.mil/osmisrdb. This database provides field level data for maintenance. A user account is required to access the system.

(6) The Improved Performance Research Integration Tool database is maintained by the Army Research Laboratory.

(7) The WLIDB is a LOGSA product located at https://liw.logsa.army.mil. A user account is required to access the system.

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 WLIDB 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 Web sites can be used to validate enlisted MOS(s): http://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 LIW 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 rational 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. There is no need to fill out the MOS, field, or sustainment DPAMMH data cells as the WLIDB will extrapolate this information and place it in these areas.

a. If the component is a CCI, refer to the LOGSA Web site under Army IUID 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 LIW system will automatically complete this block (three characters maximum).

(3) **Block 35d: GEN-NOMEN.** Enter the generic nomenclature 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/assembly 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 35c: 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 LIW 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 LIW 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 Web site http://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>
<thead>
<tr>
<th>Table 3–8</th>
<th>Form, fit, and function definitions for components of a major item and associated support item of equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Criteria</td>
<td>Definition</td>
</tr>
<tr>
<td>Fit</td>
<td>The ability of an item to physically interface with, interconnect with, or become an integral part of another item.</td>
</tr>
<tr>
<td>Form</td>
<td>The shape, size, dimensions, mass, weight, and other physical parameters that uniquely characterize an item. For software, form denotes the language and media.</td>
</tr>
<tr>
<td>Function</td>
<td>The action or actions an item is designed to perform.</td>
</tr>
</tbody>
</table>

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 or 4 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 generic nomenclature 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 LIW system will automatically complete
this entry. The logistics control code and TC codes are listed under column headings logistics control code and TC in SB 700–20 (one character maximum).

(5) **Block 39c**: **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 LIW 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 (32 characters maximum).

(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 generic nomenclature 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 ASOIE 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 ASOIE (eight characters maximum).

(15) **Block 40r**: **DESCRIPTION.** Provide a description of the man-hours to support the ASOIE (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 Web site is: http://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 3–8 for concurrence prior to submission.

<table>
<thead>
<tr>
<th>Table 3–9</th>
<th>System maintenance support proponents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintenance requirements</td>
<td>Support proponent</td>
</tr>
<tr>
<td>Power Generation</td>
<td>CASCOM</td>
</tr>
<tr>
<td>Missile and Radar Systems</td>
<td>CASCOM</td>
</tr>
<tr>
<td>Communications and Electronics</td>
<td>CASCOM</td>
</tr>
<tr>
<td>Tactical Operations Center and Robotics</td>
<td>CASCOM</td>
</tr>
<tr>
<td>Ground Support Equipment (Wheeled and Track Vehicles)</td>
<td>CASCOM</td>
</tr>
<tr>
<td>Signal</td>
<td>Signal Center</td>
</tr>
<tr>
<td>Aviation</td>
<td>Aviation Warfighting Center</td>
</tr>
<tr>
<td>Engineer</td>
<td>Engineer School</td>
</tr>
<tr>
<td>Military Intelligence</td>
<td>Intelligence Center</td>
</tr>
</tbody>
</table>
b. Additional information or comments that would assist in the BOIP development process and to identify non-developmental 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.
Figure 3–1. DA Form 7751

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: Fact Unmanned Aerial Vehicle (TUAV) Sys
5. BGP-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: BA033000600
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 (OTE), TACTICAL UNMANNED AERIAL VEHICLE (TUAV):
DATE: 19990511
TYPE: ORD

18. RIC: B17
19. SUPPLY CATEGORY: 7A
20. PROPONENT CODE: 112 Aviation Center & School
21. NET PLAN NO: M400001
22. TRAINING REQUIREMENTS: (Available at https://www.amtas.army.mil/otemsweb/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 system (WIN 95/96/32 bit), containing 2 each RQ-7 shadow tactical unmanned air vehicle (AV) operator control stations. The GCS is transported aboard 152nd HMMWV (LIN T37588/ASIOE). Primary power for TUAS GCS is provided by a shadow-specifying 100A generator equipment train that is towed by separate M1165A1/B3 HMMWV (LIN T56383/ASIOE). The 2 HMMWV transport 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 accepts from, mission equipment package/payload/external store and AV data and telemetry. The RQ7 shadow TUAS provides the ground maneuver commander with primary surveillance, reconnaissance, surveillance, and target acquisition (RSTA) and enhanced energy surveillance awareness.

24. PRIME USE (Non-Technical):
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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### CHARACTERISTICS DATA:


#### FUEL CONSUMPTION:

<table>
<thead>
<tr>
<th>28a</th>
<th>RATE IDLING (gal/hr): 28b</th>
<th>RATE CROSS COUNTRY (gal/km): 28c</th>
<th>RATE SECONDARY ROADS (gal/km):</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.4</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

#### EQUIPMENT CATEGORY:

SV Stationary - Vehicle Mounted

<table>
<thead>
<tr>
<th>29a</th>
<th>FUEL TYPE: 1 - Gasoline, Aviation, Bulk (JP8)</th>
</tr>
</thead>
</table>

#### TRANSPORTABILITY REQUIREMENTS FOR THE PRIME LIN:

<table>
<thead>
<tr>
<th>29c</th>
<th>C5 (YN): Y</th>
<th>29d</th>
<th>C17 (YN): Y</th>
<th>29e</th>
<th>C130 (YN): Y</th>
<th>29f</th>
<th>OTHER (YN): N</th>
</tr>
</thead>
</table>

#### TRANSPORTABILITY REMARKS:

Can be transported externally by CH-47 external load.

<table>
<thead>
<tr>
<th>30a</th>
<th>TRANSPORTER WEIGHT CAPACITY LIMIT (lbs): 0</th>
</tr>
</thead>
</table>

#### TACTICAL WEIGHT CAPACITY (lbs):

Unknown

<table>
<thead>
<tr>
<th>31a</th>
<th>TACTICAL CUBIC FEET CAPACITY (cu ft)</th>
</tr>
</thead>
</table>

#### POWER CONSUMPTION DATA:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>120/220 Vac</td>
<td>NA</td>
<td>0</td>
<td>0</td>
<td>60 Hz</td>
<td></td>
</tr>
</tbody>
</table>

#### POWER CONSUMPTION REMARKS:

Data is based on user test. Power source is trailer mounted 10 kw model 803 ANOG; LIN G74711

<table>
<thead>
<tr>
<th>32j</th>
<th>PRECISE POWER REG. (YN): NA</th>
<th>32k</th>
<th>VOLTAGE PHASE - ALTERNATE: NA</th>
<th>32l</th>
<th>INRUSH FACTOR: NA</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

#### POWER GENERATOR DATA:

<table>
<thead>
<tr>
<th>33a</th>
<th>POWER MAX kw: 33b</th>
<th>PRECISE POWER: 33c</th>
<th>E262 NR: 33d</th>
<th>PU NR: NA</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
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</table>

#### RATED PARAMETERS:

<table>
<thead>
<tr>
<th>33e</th>
<th>HIGH TEMP (F): NA</th>
<th>33f</th>
<th>LOW TEMP (F): NA</th>
<th>33g</th>
<th>ALTITUDE (ft): 0</th>
<th>33h</th>
<th>TEMP FOR ALTITUDE (F): 0</th>
</tr>
</thead>
</table>

#### RATED START FACTOR: 0

<table>
<thead>
<tr>
<th>33j</th>
<th>Dba-7m (Decibels): NA</th>
<th>33k</th>
<th>POWER GENERATOR TECHNICAL REFERENCE: NA</th>
</tr>
</thead>
</table>

#### VOLTAGE PHASE - PREFERRED:

<table>
<thead>
<tr>
<th>33m</th>
<th>VOLTAGE PHASE - ALTERNATE: NA</th>
<th>33n</th>
<th>FREQUENCY - PREFERRED: NA</th>
<th>33o</th>
<th>FREQUENCY - ALTERNATE: NA</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
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</tbody>
</table>

#### TRANSPORT DATA:

<table>
<thead>
<tr>
<th>33p</th>
<th>MODE: NA</th>
<th>33q</th>
<th>NR PER MODE: NA</th>
<th>33r</th>
<th>CAPACITY: NA</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td></td>
<td>NA</td>
<td></td>
<td>NA</td>
<td></td>
</tr>
</tbody>
</table>

#### MODEL:

<table>
<thead>
<tr>
<th>33s</th>
<th>FUEL: NA</th>
</tr>
</thead>
</table>

#### POWER GENERATOR REMARKS:

None

#### MAINTENANCE/PERSONNEL DATA:

None

---

**Figure 3–1. DA Form 7751—Continued**

---

**DA PAM 700–27 • 30 November 2015**
<table>
<thead>
<tr>
<th>34a. DPAMMH FOR PRIME LIN:</th>
<th>34b. LIFE UNIT:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unknown</td>
<td>Unknown</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>34c. LIFE MMHB:</th>
<th>34d. FIELD MOS:</th>
<th>34e. SUSTAINMENT DPAMMH:</th>
<th>34f. DPAMMH:</th>
<th>34g. AUTH DPAMMH:</th>
</tr>
</thead>
<tbody>
<tr>
<td>4380</td>
<td>15J</td>
<td>(AVIATION AMC) (AVIATION ASC)</td>
<td>710.61</td>
<td>Unknown</td>
</tr>
<tr>
<td>4380</td>
<td>15JTI</td>
<td>NA</td>
<td>68.33</td>
<td>Unknown</td>
</tr>
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<td>NA</td>
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</tr>
<tr>
<td>AUTH TYPE:</td>
<td>34h. DATE:</td>
<td>34i. CD:</td>
<td>34j. DATA:</td>
<td>34k. NOTES:</td>
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<tr>
<td>2008080600</td>
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<td>None</td>
<td>None</td>
<td>None</td>
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<table>
<thead>
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<tbody>
<tr>
<td>2LM EDATE 2001/04/01</td>
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<table>
<thead>
<tr>
<th>34m. BOQ:</th>
<th>34n. EDATE</th>
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<tr>
<td>21</td>
<td>2001/04/01</td>
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<table>
<thead>
<tr>
<th>34o. JUSTIFICATION/RATIONALE:</th>
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</thead>
<tbody>
<tr>
<td>Technical Inspector (TI)</td>
</tr>
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<table>
<thead>
<tr>
<th>35a. COMPONENT MAJOR ITEMS (CMI):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Conditioner: FL/WALL A/C AC 208V 3PH 60CY 18000 BTU/Mp Hr</td>
</tr>
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<table>
<thead>
<tr>
<th>35b. LIN:</th>
<th>35c. PIC:</th>
<th>35d. GEN-NOMEN:</th>
</tr>
</thead>
<tbody>
<tr>
<td>A24463</td>
<td>B16</td>
<td>NA</td>
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<table>
<thead>
<tr>
<th>35e. MOS:</th>
<th>35f. LIFE UNIT:</th>
<th>35g. FIELD DPAMMH:</th>
<th>35h. SUSTAINMENT DPAMMH:</th>
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</thead>
<tbody>
<tr>
<td>91C</td>
<td>O</td>
<td>222.5</td>
<td>63</td>
</tr>
<tr>
<td>NA</td>
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<td>NOTES:</td>
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<th>35l. GEN-NOMEN:</th>
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<tbody>
<tr>
<td>S01563</td>
<td>A12</td>
<td>Shelter: NONEXPD LTWR MP RIGID -WALL S788 102LX84</td>
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<table>
<thead>
<tr>
<th>35m. MOS:</th>
<th>35n. LIFE UNIT:</th>
<th>35o. FIELD DPAMMH:</th>
<th>35p. SUSTAINMENT DPAMMH:</th>
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<td>44B</td>
<td>O</td>
<td>20</td>
<td>.10</td>
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<tr>
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<td>NA</td>
<td>NA</td>
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<td>NOTES:</td>
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<tr>
<th>35q. TOTAL DPAMMH FOR PRIME LIN AND COMPONENT MAJOR ITEM:</th>
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<td>G39497</td>
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<table>
<thead>
<tr>
<th>36a. MOS:</th>
<th>36b. FIELD DPAMMH (AVIATION AMC):</th>
<th>36c. SUSTAINMENT DPAMMH (AVIATION ASC):</th>
<th>36d. MARC NOTES:</th>
</tr>
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<tbody>
<tr>
<td>15J</td>
<td>710.61</td>
<td>00</td>
<td>21</td>
</tr>
<tr>
<td>15JTI</td>
<td>68.33</td>
<td>00</td>
<td>21</td>
</tr>
<tr>
<td>44B</td>
<td>20</td>
<td>0.1</td>
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</tr>
<tr>
<td>91C</td>
<td>222.5</td>
<td>63</td>
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<table>
<thead>
<tr>
<th>37a. OPERATOR (PRIME LIN):</th>
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<tbody>
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<table>
<thead>
<tr>
<th>37b. QUANTITY DUTY POSITION:</th>
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</thead>
<tbody>
<tr>
<td>2 Unmanned Aircraft System Operator</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>37c. RECOMMENDED DUTY POSITION:</th>
</tr>
</thead>
<tbody>
<tr>
<td>15W</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>37d. RECOMMENDED MOS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>15W</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>37e. SYSTEM ADMINISTRATOR (PRIME LIN):</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
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</table>

<table>
<thead>
<tr>
<th>37f. QUANTITY:</th>
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</thead>
<tbody>
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</table>

<table>
<thead>
<tr>
<th>37g. DUTY POSITION:</th>
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</thead>
<tbody>
<tr>
<td>NA</td>
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</table>

<table>
<thead>
<tr>
<th>37h. RECOMMENDED MOS:</th>
</tr>
</thead>
<tbody>
<tr>
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</table>

Figure 3–1. DA Form 7751—Continued
### 39. ASSOCIATED SUPPORT ITEMS OF EQUIPMENT (ASIOE):

<table>
<thead>
<tr>
<th>39a. LIN</th>
<th>39b. RIC</th>
<th>39c. GEN-NOMEN</th>
<th>39d. LOGISTICS CONTROL CODE</th>
<th>39e. RATIO</th>
</tr>
</thead>
<tbody>
<tr>
<td>A33020</td>
<td>A12</td>
<td>Alarm: Chemical Agent Automatic M22</td>
<td>A</td>
<td>1/1</td>
</tr>
<tr>
<td>C18391</td>
<td>B17</td>
<td>Computer Sys: digital</td>
<td>A</td>
<td>1/1</td>
</tr>
<tr>
<td>C61119</td>
<td>B16</td>
<td>Computer Set Digital: AN/TYQ-151(V)1 ULLS-A(E)</td>
<td>A</td>
<td>1/1</td>
</tr>
<tr>
<td>C89480</td>
<td>B16</td>
<td>Camouflage Net System Radar Scattering: AN/USQ-1</td>
<td>A</td>
<td>1/1</td>
</tr>
<tr>
<td>N96248</td>
<td>B16</td>
<td>Camouflage Net System Radar Scattering: AN/U</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>R44999</td>
<td>B16</td>
<td>Radio set: AN/VRC-89F(C)</td>
<td>A</td>
<td>2/1</td>
</tr>
<tr>
<td>R45543</td>
<td>B16</td>
<td>Radio Set: AN/VRC-92F(C)</td>
<td>A</td>
<td>1/1</td>
</tr>
<tr>
<td>T37588</td>
<td>AKZ</td>
<td>Truck Utility Expanded Capacity Enhanced: M152A1</td>
<td>A</td>
<td>1/1</td>
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<tr>
<td>NA</td>
<td>NA</td>
<td>NA</td>
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#### 40. EQUIPMENT TO BE REPLACED: None

<table>
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<tr>
<th>40a. LIN</th>
<th>40b. GEN-NOMEN</th>
</tr>
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<tbody>
<tr>
<td>T56383</td>
<td>Trk Utility Expanded Capacity Enh 434: M154 5A</td>
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</table>

#### 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-903a that is pulled by a separate M165N HMMWV.

All sustainment maintenance and TSAS peculiar supply functions performed under performance based logistics (PBL) product support contract by contractor product support integrated (PSI) per performance based agreement (PBA) with the user.

Motor maintenance, including a generator, provided by parent company/battalion/brigade.

### 40d. FOR ASSOCIATED SUPPORT ITEMS OF EQUIPMENT (ASIOE):

<table>
<thead>
<tr>
<th>40d. LIN</th>
<th>40e. RIC</th>
<th>40f. LOGISTICS CONTROL CODE</th>
<th>40g. LVL USE</th>
<th>40h. RATIO</th>
</tr>
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<tbody>
<tr>
<td>G74711</td>
<td>B16</td>
<td>GEN SET, DED, 10KW TQG, 60 HZ SKID MTD M</td>
<td>1/L</td>
<td>1/1</td>
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<tr>
<td>NA</td>
<td>NA</td>
<td>NA</td>
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#### 40l. GEN-NOMEN:

<table>
<thead>
<tr>
<th>40j. MOS</th>
<th>40k. USE LIMIT</th>
<th>40m. DS DPAMMH</th>
<th>40n. GS DPAMMH</th>
<th>40o. FIELD DPAMMH</th>
<th>40p. SUSTAINMENT DPAMMH</th>
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</thead>
<tbody>
<tr>
<td>52D</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>150.80</td>
<td>98.80</td>
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</table>

#### 40k. NOTE:

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.

#### 40r. REMARKS:
None
### Figure 3–1. DA Form 7751—Continued

<table>
<thead>
<tr>
<th>41a. POINT OF CONTACTS:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NAME:</strong> Mike Doe</td>
</tr>
<tr>
<td><strong>DUTY ADDRESS:</strong> Huntsville, AL</td>
</tr>
<tr>
<td><strong>DUTY PHONE NUMBER:</strong> 334-123-1234</td>
</tr>
<tr>
<td><strong>DUTY EMAIL:</strong> <a href="mailto:mike.do.civ@mail.mil">mike.do.civ@mail.mil</a></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>41b. MATERIAL DEVELOPER:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NAME:</strong> John Doe</td>
</tr>
<tr>
<td><strong>DUTY ADDRESS:</strong> Orlando, FL</td>
</tr>
<tr>
<td><strong>DUTY PHONE NUMBER:</strong> 123-123-1234</td>
</tr>
<tr>
<td><strong>DUTY EMAIL:</strong> <a href="mailto:john.doe@disney.com">john.doe@disney.com</a></td>
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</table>

<table>
<thead>
<tr>
<th>41c. BOIFPD DATA PREPARER:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NAME:</strong> Sue Doe</td>
</tr>
<tr>
<td><strong>DUTY ADDRESS:</strong> Ft. Belvoir, VA</td>
</tr>
<tr>
<td><strong>DUTY PHONE NUMBER:</strong> 776-123-1234</td>
</tr>
<tr>
<td><strong>DUTY EMAIL:</strong> <a href="mailto:sue.doe.civ@mail.mil">sue.doe.civ@mail.mil</a></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>41d. BOIFPD DEVELOPER:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NAME:</strong> SFC Roger Doe</td>
</tr>
<tr>
<td><strong>DUTY ADDRESS:</strong> Ft. Belvoir, VA</td>
</tr>
<tr>
<td><strong>DUTY PHONE NUMBER:</strong> 776-123-1235</td>
</tr>
<tr>
<td><strong>DUTY EMAIL:</strong> <a href="mailto:roger.doe.mil@email.mil">roger.doe.mil@email.mil</a></td>
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</table>

<table>
<thead>
<tr>
<th>41e. MOS AND MAINTENANCE MAN-HOUR PREPARER:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NAME:</strong> Dave Doe</td>
</tr>
<tr>
<td><strong>DUTY ADDRESS:</strong> Ft Eustis, VA</td>
</tr>
<tr>
<td><strong>DUTY PHONE NUMBER:</strong> 443-876-9876</td>
</tr>
<tr>
<td><strong>DUTY EMAIL:</strong> <a href="mailto:dave.doe.civ@mail.mil">dave.doe.civ@mail.mil</a></td>
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</table>

<table>
<thead>
<tr>
<th>41f. MOS PREPARER:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NAME:</strong> Mary Doe</td>
</tr>
<tr>
<td><strong>DUTY ADDRESS:</strong> Huntsville, AL</td>
</tr>
<tr>
<td><strong>DUTY PHONE NUMBER:</strong> 776-123-1234</td>
</tr>
<tr>
<td><strong>DUTY EMAIL:</strong> <a href="mailto:mary.doe.civ@email.mil">mary.doe.civ@email.mil</a></td>
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<table>
<thead>
<tr>
<th>41g. MAINTENANCE MAN-HOURS PREPARER: (continued)</th>
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</thead>
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<tr>
<td><strong>NAME:</strong></td>
</tr>
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<td><strong>DUTY ADDRESS:</strong></td>
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<td><strong>DUTY PHONE NUMBER:</strong></td>
</tr>
<tr>
<td><strong>DUTY EMAIL:</strong></td>
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</table>

| 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: BOIFPD will be re-worked. |

| 46a. END OF REPORT: 20110808 |

<table>
<thead>
<tr>
<th>46b. BLK:</th>
<th>46c. BLK TITLE:</th>
<th>46d. POS IN TEXT:</th>
<th>46e. CHK/ADD:</th>
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<td>Type Subm</td>
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<td>Initial</td>
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<td>Remarks</td>
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Appendix A

References

Section I
Required Publications

AR 71–32
Force Development and Documentation (Cited in para 1–1.)

AR 700–127
Integrated Product Support (Cited in para 1–1.)

AR 710–1
Centralized Inventory Management of the Army Supply System (Cited in para 3–6c.)

SB 700–20
Army Adopted Items of Materiel and List of Reportable Items (Cited in para 2–8 (table 2–2).) (Available at https://liw.logsa.army.mil/.)

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 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

DA Form 7751
Logistics Integrated Database Basis of Issue Plan Feeder Data (Prescribed in para 3–1.)

Section IV
Referenced Forms

DA Form 2028
Recommended Changes to Publications and Blank Forms

DD Form 61
Request for Nomenclature
Glossary

Section I
Abbreviations

AAO
Army acquisition objective

ACAT
acquisition category

AMDF
Army Master Data File

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

CAPDEV
capability developer

CARDS
catalog of approved requirements documents system

CASCOM
Combined Arms Support Command

CCI
controlled cryptographic item

CDD
capability development document

CMI
Component Major Item

COMSEC
communication security

CPD
capability production document

CTA
common table of allowances

DPAMMH
direct productive annual maintenance man-hours

DSN
defense switched network
ECU
environmental control unit

E2S2
Expeditionary Energy and Sustainment Systems

FEDLOG
Federal Logistics

FUE
first unit equipped

ft
feet

HQDA
Headquarters, Department of the Army

Hr
hour

Hz
Hertz

in
inch

IPT
integrated product team

IUID
item unique identification

JSOR
Joint Service Operational Requirements

km
kilometer

KPP
key performance parameters

KSA
key system attributes

kW
kilowatts

lb
pound

LCMC
life cycle management command

LR
letter requirement

LIN
line item number
LIW
Logistics Information Warehouse

LMP
Logistics Modernization Program

LOGSA
U.S. Army Logistics Support Activity

MAC
maintenance allocation chart

MARC
manpower requirements criteria

MATDEV
materiel developer

MMHB
Maintenance Man-Hour Baseline

MOS
military occupational specialty

NET
new equipment training

NYA
Not yet assigned

O&O
operational and organizational

ORDAB
organizational requirements document approval board

PM
program manager

PMCS
preventive maintenance checks and services

POC
point of contact

PSM
product support manager

PSM IPT
product support manager integrated product team

RD
requirements document

RDT&E
research, development, test and evaluation

RIC
routing identifier code
Supply Bulletin

Supply Category

SLAMIS
Standard Study Number-Line Item Numbers Automated Management and Integrating System

SSO
Staff synchronization officer

TC
Type classification

TDA
Table of distribution and allowances

T/O
Thresholds/objectives

TOE
Table of organization and equipment

TRADOC
U.S. Army Training and Doctrine Command

TSM
TRADOC system manager

TWV
Tactical Wheeled Vehicle

USAFMSA
U.S. Army Force Management Support Agency

Vac
Volts alternating current

Vdc
Volts direct current

WLIDB
Web Logistics Integrated Database

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).

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 generic nomenclature assigned to identify nonexpendable and type classified expendable or durable items of equipment during their life cycle authorization and supply management.

Logistics Information Warehouse
LIW is 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.

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.

Section III
Special Abbreviations and Terms

AMND–NO
amendment number

amps
amperage

BOIP–NO
basis of issue plan number

CARDS–NO
Catalog of Approved Requirements Documents System numbers

cu ft
cubic feet

DBA
decibels
EST. COST PROD MOD
estimated cost production model

EST. FUE DATE
estimated first unit equipped date

EST. TC DATE
estimated type classification date

E2S2 NR
Expeditionary Energy and Sustainment Systems number

FUND STAT
funding status

GEN-NOMEN
generic nomenclature

MAT DEV STAT
MATDEV status code

MIS CD
major item system code

NET PLAN NO
new equipment training plan number

OTOE
Objective Table of Organizational Equipment

PU NR
power unit number

PWR–CONS–RUNNING–AMPS
power consumer running amperage

PWR–CONS–INRUSH–FACTOR
power consumer inrush factor

POL–EQUIP–CTGY
Petroleum, oil and lubricant category

PWR_GEN_PWR_MAX
power generator power maximum

STAT DATE
status date

SYS DESC
system description

TEMP
temperature

TRANSP_MODE
transportation mode

TUAV
tactical unmanned aerial vehicle
TYPE SUBM

type of submission