

What is the MMDF?

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The Army information systems MMDF data element is a 447-digit sequence divided into 89 separate fields. MMDF composition includes maintenance and supply information, system configuration data, authorized substitutes, and reportable items necessary to form the Standard Army Maintenance System - Enhanced (SAMS-E) Equipment Master File (EMF). This information is also used to identify reportable equipment for Army Materiel Status System (AMSS) readiness reporting.

Though all MMDF equipment items are maintenance significant, not all are considered readiness reportable through the AMSS. SAMS-E includes edit checks that restrict AMSS readiness reporting only to those MMDF items listed with a Materiel Condition Report Designator (RPT) value of 'Y' (Refer to the RPT - Materiel Condition Report Designator paragraph description below).

Assignment of LINs

LINs are only assigned by LOGSA for equipment items to be listed in the MMDF; and, are normally assigned for each item upon receipt of an automated request from an authorized LCMC commodity manager. To justify LIN assignment, the item must have a functional capability different from the currently listed MMDF item.

Non-standard LINs

The existing Army Basis of Issue Plan (BOIP) policy or process must be used to add a LIN to a Table of Organization and Equipment (TOE) unit and may require several years to complete for each item. This system is not responsive enough for the speed that medical technology advances. This causes most of the Commercial Off-The-Shelf Medical Equipment (COTSME) to use non-standard LINs. The Non-standard LIN equipment items were embedded in sets and are now in the process of being authorized to carry standard LINs.

Required elements for items on the MMDF

- The item must be Equipment Readiness Code (ERC) A or P (pacing) to an Army unit
- The item must be supply Class 7, 8, or 9 (missile only)
- The item must have Technical Manuals (TMs) published with the operator's PMCS checklist 'not ready if' column, equipment serviceability criteria, or similar criteria for determining whether the equipment is capable of performing to a full combat-mission service level. Manufacturer service literature may be used in lieu of a PMCS checklist to determine 'not ready if.'
- The item must have a Logistics Control Code (LCC) of A, B, F, T, or U listed in SB 700-20
- The item must have a Type Classification (TC) and a Standard Line Item Number (SLIN) assigned
- The item must have an End Item Code (EIC) assigned

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Information that must be provided in a request for inclusion to the MMDF

- End item or system nomenclature
- Model number(s)
- LIN
- EIC
- National Stock Number (NSN)
- Commodity Manager Code (CMC)
- TC
- LCC
- Equipment Category Code (ECC)
- State whether or not the equipment is to be reported as a system, Identify all separately-authorized subsystems (e.g., the M1A1 tank system is comprised of tank, radio, and small-arms subsystems) that must be considered when rating the system by noun, NSN, EIC, and LIN.
- The estimated number of items on hand in Modified Table of Organization and Equipment (MTOE) units. Also, provide the number on hand for Table of Distribution and Allowances (TDA) organizations.
- The length of time the item has been in Army inventory. If the item is new, state when the equipment will be fielded
- State whether or not the item is being issued to replace another item. If so, identify the item being replaced. Provide fielding plan dates for the phase-in and phase-out of new and old items
- State all other equipment this item supports and whether it is part of another system
- State whether or not the operator's -10, -12, or -14 TM for the item:
 - Is published
 - Has a PMCS table and if the PMCS table has an 'Equipment is not fully mission capable if' column; if this column is not present, state how Non-Mission Capable (NMC) faults are identified
- State whether this item or system is maintenance significant or combat essential and if it has an ERC of 'A' or 'P.'
- State how information from the item's materiel readiness reports will be used
- Include a picture of the end item or system
- Briefly explain why this item should be added to the list of reportable items

When evaluating an item to be added to or maintained on the MMDF, confirm that:

- It is a medical item
- It is authorized on the TOE
- It is in one of the medical assemblages
- It is operationally relevant and fills an authorized medical protocol that cannot be filled by existing equipment
- The status of the item in the FEDLOG/WebFLIS catalog record is valid
- The Type Item Code (TIC) is E, C, or T

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- Material Category (MATCAT) position 1 contains C and position 3 contains 1
- It is not Acquisition Advice Code (AAC) W
- The item is in **Property Book Unit Supply Enhanced (PBUSE)**
- The item has a maintenance history
- If the item is TMDE, it must be medical specific; not classified as TMDE-GP

Description of MMDF fields downloaded to SAMS-E

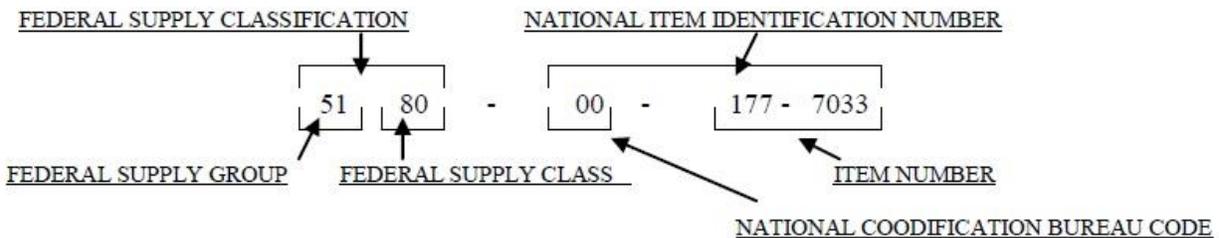
INC - Identification Number Code

The INC (field 1, position 1 of the MMDF) specifically identifies what the part number value (field 2) represents:

- A - National Stock Number
- C - Manufacturer Code and Reference Number
- D - Management Control Number
- M - Army commercial vehicle code
- P - Other No

NSN - National Stock Number

The part number (field 2, positions 2-16 of the MMDF) is usually the two-part, 13-position NSN which serves as the main item identification number. The NSN is unique and represents only one item of supply as listed in the Federal Catalog System; this number must be used when known.



FSC - Federal Supply Classification

The FSC is the first part of the NSN (positions 2-5 of the MMDF); it consists of four digits and is divided into two distinctive parts. The first part of the FSC is referred to as the Federal Supply Group (FSG). This two-digit number is assigned under a system that organizes all items of supply into large commodity groups. Medical items are typically classified as FSG 65, with few exceptions. The second part of the FSC is referred to as the Federal Supply Class. This two-digit number is assigned under a system that

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organizes each FSG into smaller classes. A complete list of the groups and associated classes can be found in DA Pam 708-1.

NIIN - National Item Identification Number

The NIIN (positions 6-14; leaving 15 & 16 blank) is the second of two distinctive NSN parts. The first part is referred to as the National Codification Bureau (NCB) code. This two-digit number is assigned to each country using the NIIN system; NCB code 00 and 01 are assigned to the United States. The second part is a seven-digit number serially assigned to each supply item with an approved Federal item identification.

EIC - End Item Code

Each reportable single-equipment end item has an assigned EIC (field 3, positions 17-19 of the MMDF); a unique identifier designating certain equipment items for the capture of supply-support demand data. Equipment that does not have an assigned EIC cannot be added to the Army List of Reportable Items/Systems. The first position of the EIC identifies the National Inventory Control Point manager and is a broad, generally descriptive categorization that does not identify specific items. The second position further subdivides the National Inventory Control Point manager category while the third position identifies a specific NSN end item within a generic classification.

UOEIC - Used On End Item Equipment Code

The UOEIC (field 4, positions 20-22 of the MMDF) is applied to a system or next-higher assembly for which the NSN can be configured. When the NSN pertains to a major systems acquisition, the EIC and UOEIC will be the same (e.g., tank, helicopter, missile defense system, etc.). A major system must first be established in the MMDF. When the NSN is an assembly or component such as a transmission, the UOEIC must match the EIC of a major system on file. The End Item Component Code (EICC) must equal C and the EIC must be blank.

LIN - Line Item Number

Standard LIN character-code composition (field 5, positions 23-28 of the MMDF) includes a single alpha position followed by five numeric positions. This 6-character alphanumeric identification code is used to categorize all NSN items having similar functional capabilities expressed by generic nomenclature. The LIN pertains to the line on which generic nomenclature is listed in Army equipment authorization documents. All other LIN character-code configurations are considered non-standard. Z series LINs are assigned to developmental items for inclusion in required operational capability and authorization documents before they are TC designated. They are also used for special studies to develop data required for TC designation.

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NOMEN - Item Noun/Nomenclature

The NOMEN (field 6, positions 29-49 of the MMDF) is the noun/nomenclature for the NSN.

MODEL - Equipment Model Identification Number

The model (field 7, positions 50-61 of the MMDF) is the model number for the NSN.

EICC - End Item Component Code

The EICC (field 8, position 62 of the MMDF) is used to identify the NSN as an end item, component, or assembly.

- E - End Item. The EIC must not be blank when the EICC equals E
- C - Component or assembly (e.g., transmission). This code is only used in association with the end-item level. When C is used, the EIC will be blank because components or assemblies do not have EICs

ECC - Equipment Category Code

The ECC (field 9, positions 63-64 of the MMDF) identifies equipment categories using a two-character, alphabetic code. The first position identifies the primary equipment category. The second position subdivides the broad equipment category and is used to consolidate different stock numbers or weapon systems. The ECC for medical and dental equipment begins with O and is categorized as follows:

- OA - Anesthesia apparatus
- OB - Blood Gas Apparatus/analyzers
- OC - Centrifuges
- OD - X-Ray film processing systems
- OE - Defibrillators/monitors/diagnostics
- OF - Dental operating units
- OG - Medical compressor/dehydrator
- OH - Table operating field
- OI - Radiographies
- OJ - Biological refrigerator/freezers
- OK - Respirator/ventilator
- OL - Hospital sinks
- OM - Sterilization equipment
- ON - Suction and pressure apparatus
- OO - Medical equipment set (MES)
- OP - Medical material set (MMS)
- OQ - X-Ray apparatus
- OR - Miscellaneous/general

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- OS - Surgical
- OT - Medical ophthalmic/optical
- OU - Environmental/biological detection
- OV – Endoscopes/bronchoscopes
- OW - Medical laboratory
- OX - Ancillary equipment
- OZ - Tools and test equipment

CMDTY - Materiel Condition Status Reporting Commodity Code

When the NSN is readiness reportable in accordance with AR 700-138, the CMDTY code (field 10, positions 65-66 of the MMDF) specifies the principle equipment commodity code for material-condition status reporting purposes and will be identified as:

- A1 - Aircraft
- GE - Ground Equipment
- M4 - Missile

RPT - Materiel Condition Report Designator

The RPT designator (field 11, position 67 of the MMDF) indicates NSN readiness reportability. All major system records will be loaded first, followed by other records representing system or subsystem relationships:

- N = Not readiness reportable
- Y = Readiness reportable
 - If reportable as an end item the UOEIC will be blank
 - If the item is not the major system but configurable to a system, the UOEIC must not be blank and must not be equal to the EIC
 - If the item is the major system, the UOEIC must not be blank and must be equal to the EIC
- M = The item is a readiness reportable system that has another readiness reportable system used as a subsystem. The M value may additionally be used to indicate that the readiness reportable system is used as a subsystem on another readiness reportable system; both systems must reflect an RPT value of M

DAHR - Condition Designator Days/Hours

When the RPT code equals a 'Y' designation value, the DAHR code (field 12, position 68 of the MMDF) is used to identify the type Non-Mission Capable (NMC) time to be reported:

- H=HOURS
- D=DAYS

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PUBLICATION

Standard equipment-publication data (field 13-47, position 69-348 of the MMDF) for the NSN will be listed. Standard publications, such as Lubrication Order (LO), Technical Bulletin (TB), Technical Manual (TM), Supply Bulletin (SB), Supply Catalog (SC), etc., for the NSN will be listed in this block.

References

- AR 220-1
- AR 700-138
- AR 750-1
- AR 40-61
- AR 725-50
- DA Pam 708-1
- DA Pam 708-3