HQ AMC LRC/FMX IUID Responsibilities outlined in AR 700-145

(Includes marking procedures for Systems of Systems, Sets, Kits and Outfits)

DOD IUID Registry process control guidance: Almost all of AMC's responsibilities are covered by the AMC IUID Implementation Plan and by LCMC's Plans.

This information needs to be put in to the DA PAM 700-145.

PEO/PM:

Follow guidance outlined in AR 700-145 dated Feb 2016 to develop a standard policy/procedures for marking newly procured items and legacy items still under their control with the UII mark and serial number.

Create an IUID Implementation plan for each serialized weapon system and components using SYSPARSr6. Work with the MATDEVs and the LCMC IUID Representative to correctly IUID mark their equipment/items IAW MIL STD 130.

LCMC:

Will have their IUID Representative assist the PM in developing IUID planning, implementation, and marking procedures for all of newly procured items, modified items and for legacy unique items.

Assist in the development of standardize data plates with the correct IUID data format for each item.

Assist with the development the UII data.

Provide advice on the best marking process for items new procurement and in sustainment.

Coordinate with the DoD Registry and/or AMC IUID team to update incorrect UII data.

Approve all IUID procedures/processes for each NMWR, DMWR, TB & etc.

Create a LCMC IUID Implementation plan to include the IUID implementation plan from each of their depots and/or repair facilities.

AMC:

Assist and approve the LCMCs and PEO/PM in creating their IUID Implementation Plans.

Develop a QDR process and guidance the Army owned equipment.

Collaborate with AMC SIM reps to incorporate IUID policy.

Create a "requirement" document to have LDAC maintain AIW and AMC manage it contents (data requirements).
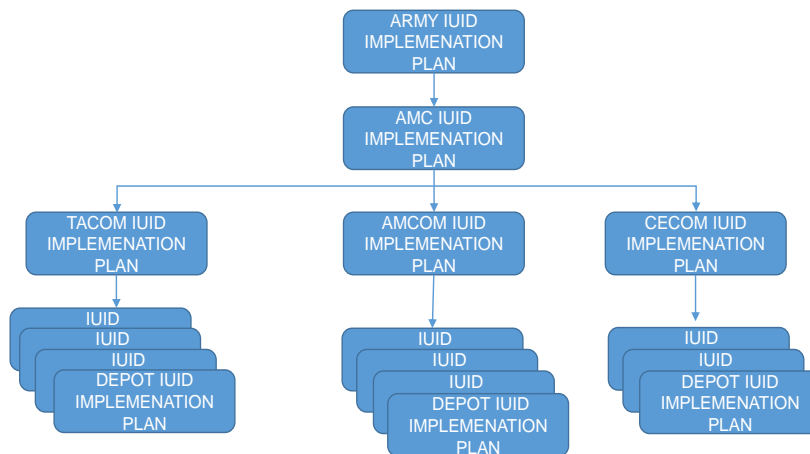
IUID Implementation Plan process:

DA G-4 issue the Army's IUID Implementation Plan

AMC creates the AMC Implementation Plan for legacy equipment

LCMCs creates a IUID Implementation Plan consisting of each of their depot's IUID Implementation Plans

AMC maintains all Implementation Plan at LDAC repository.

See Figure below:

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NOTE:

Mandatory data for each Implementation plan is outlined in AR 700-145 Chapter 3-1 Planning as well as information outlined in the AMC IUID Plan.

Business Rules for IUID Marking/Serialization for Systems, Sets, Kits, Containerized Assemblies

PURPOSE: To develop requirements for a standard policy and procedures to IUID marking Systems, Set, Kits, and Containerized Assembles.

- Develop standard policy and procedures for IUID marking where there is no true serialize "Parent" item or the parent does not physically exist, yet components of the system, set/kit, or assembly are serialized for new procurement and legacy items.

NOTE:

Often in these situations the "End Item" does not have a data plate and/or serial number. Units track the "End Item" by a component's serial number or by a GCSS-Army generated control number.

BACKGROUND:

- The Army has identified systems, assemblies, sets, and kits that require serialization and IUID marking.
- In some cases these items contain serialized components, but there is no serialized parent "End Item".
- Army policy requires that any item being serially managed will be marked and tracked using a UII (some exceptions for legacy items where it doesn't make sense to mark "exception to policy list").
- AMC is funded to IUID mark legacy items. AMC has created an exception to policy list for items that full under the below scenarios and are unable to mark during unit self-marking process. The following guide line will help correct the marking issues with the help of the PEO/PM & LCMC.

RESPOSIBILITIES:

- AMC
  - Develop IUID standard policy and marking procedures for items in sustainment "none PM owed" where the parent item is not serialized, or does not physically exist, yet components of the system, set/kit or assemble are serialized.
  - Coordinate with each LCMC IUID Representative to develop standardize IUID marking procedures for each LCMC's unique items.

- PM
  - Follow AR 700-145 dated Feb 2016 to develop a standard policy/procedures for marking newly procured items and legacy items still under their control to include items where it is difficult to determine where to apply the Parent data with the UII mark and serial number. Work with the MATDEVs and the LCMC IUID Representative to correctly IUID mark their equipment/items using the procedures outlined in the below paragraph Marking procedures.

- LCMC

- Will have their IUID Representative assist the PM in developing IUID planning, implementation, and marking procedures for all of newly procured items, modified items and for legacy unique items describe in the below Marking Procedures of these document.
- Assist in the development of standardize data plates with the correct IUID data format for each item.
- Assist with the development the UII data.
- Provide advice on the best marking process for items in sustainment.
- Coordinate with the DoD Registry and/or AMC IUID team to update incorrect UII data.
- Approve all IUID procedures/processes for each NMWR, DMWR, TB & etc.
- ASA ALT

  - Add these policy and procedures in the IUID DA PAM.

NOTE:

Each system, set, kit, and assemble is unique, not one method applies to everything and AMC will assist in developing the best path forward to IUID marking these items. These are general guide lines to follow. If your item does not fall under one of the following procedures, contact the AMC IUID team at usarmy.redstone.usamc.mbx.iuid@mail.mil .

Definition of a System, Set/Kit Parent UII

A UII that created for a system, set and kit where the end item is not serialized or does not physically exist, yet has components that are serialized. The serialized component would become "children (embedded)" to the "Parent" UII. Parent to Child relationship.

MARKING PROCEDURES:

The Army tracks grouping of items/equipment as a system, set, and kit. The system, set and kit has a unique NSN, but is made up of other serialized NSNs/MCNs and/or non-serialized NSNs/MCNs with none being the true end item "Parent". The MATDEV and/or is the decision making author on which items are marked and how the items should be marked IAW AR 700-145 or the LCMC, system manager, or item manager is responsible when there is no designated MATDEV.

- General Business Rules marking of the different types of systems, sets, and kits.

  - The PM will IUID mark the system, set, and kit IAW MIL-STD 130 and mark packaging IAW MIL-STD 129
  - Create a physical system, set or kit data plate with a system, set and kit serial number Parent UII.
  - Once approved data plate and UII the PM will register all necessary data for the UII.

NOTE:

The serial number conventions for each system, set and kit should unique with at least 6 characters or more "not just kit or set 1". More unique the serial number is the easier it is to look up in LIW/AIW and/or the IUID DoD Registry.

NOTE:

Each system, set and kit is unique, the PM and LCMC IUID Representative will work together to create the best marking process/solution for each of their items. AMC IUID team will assist and is the approving authority.

SYSTEMS: The system is authorized on the unit property book by LIN; reporting is required at the system level for readiness purposes. Individual components of system are serially tracked and/or managed.

- System with single carrying case or single storage container with serialized components.

    o Create a physical system data plate with a system serial number and parent UII.
    o Mount the parent data plate on the carrying case.
    o IUID mark the serialize components and embed each child UII to the parent UII.

- System with multiple carrying cases or multiple storage containers with serialized components. Cases or storage containers are configured as a set and will be NOT be removed from the system. The whole system must be turned-in as a set. No case or container will be remove from the system.

    o Create a physical system data plate for the carrying case or storage container identifying the serial number/UII of the system.
    o PM/Engineering Support Activity (ESA) will determine which case or container to mount the system's data plate and the location. (This will mean a single case or container will have two data plates- one with the systems identification data and one with data for the serialized individual component)
    o Create individually data plates for each case or container identifying the case or container as part of the system. i.e.: number the data plates sequentially as 1 of 5, 2 of 5, and etc.
    o Continue to individually mark each system component requiring serialization.

- System with multiple carrying cases or storage containers with each case or container is serialized and contains serialized components. One or more case or container can be turned-in and/or removed from the system.

    o Create a physical system data plate for the carrying case or storage container identifying the serial number/UII of the system.
    o PM/Engineering Support Activity (ESA) will determine which case or container to mount the system's data plate and the location. (This will mean a single case or container will have two data plates- one with the systems identification data and one with data for the serialized individual component)

NOTE:

If the cases or container where the system plate is mounted is replaced, the system's data plate must be removed and installed on the replacement container/case.

    o Create individually data plates with its own serial number and UII for each case or container in the system. Creating a parent child relationship. Identifying each case or container as part of the system. i.e.: number the data plates sequentially as 1 of 5, 2 of 5, and etc.
    o Continue to individually mark each system component requiring serialization.

- System with multiple components "some serialized and some not" but no physical end item "parent" and no carrying case and/or container.
  - Create a physical system data plate for the system identifying the serial number/UII of the system.
  - PM/Engineering Support Activity (ESA) will determine the location to mount the system's data plate.

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NOTE:

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If the component where the system plate is mounted is replaced, the system's data plate must be removed and installed on the replacement component.

  - Continue to individually mark each system component requiring serialization.

- Reconfigurable systems has a NSN, but is made up of multiple NSNs and there are various configurations to the system. At some point in the life cycle the system is reconfigured and in some cases configured back to the original system LIN/NSN. (These reconfigurations occur at the unit level based on operational needs)
  - TBD on a by each item based configuration.
  - I need ideas from the PEO/PM on how they want to track this systems.

    NOTE: AMC's solutions is to create a system virtual UII. Yes this is difficult due to multiple configurations.

KITS: Installed kits (The word "KIT" represents any grouping of materials under one NSN/MSN that are installed. May also be a set or other unit of issue).

- Kit is consumed in use when installed with serialized components that is consumed in use (MWO kit)

  Description: Kit is created for purposes of shipping, maintenance actions and reporting of installation. Once installed the kit no longer exists (serial number/UII are retired); serialize components are installed in the designated equipment.

  - Create a unique serial number/UII for the kit.
  - Mark the kit container containing the materials for the kit with the serial number and UII.
  - Once the kit is installed the PM will retire the serial number and UII.

- Kit that contains one or more serialized items and retains identity when in the supply system or installed.

  Description: installation kit which contains one or more serialized components; may also contain un-serialized components, has its own NSN and tracked as a kit throughout its life (when in the supply system or installed.

  - Create a physical kit data plate with its own kit level serial number and UII.
  - PM/Engineering Support Activity (ESA) will determine the location for the kits data plate. i.e.: option 1: Place the data plate for the kit on one of the serialized components. This means one of the serialized components would have two data plates. If the component was removed/replaced the kit data plate would need to be removed and place on the replacement component.

Option 2: Place the kit data plate on the end item next to the end items data plate. If the kit is removed from the end item the kit data plate will be remove from the item.

- o Once the kit is uninstalled the kit data plate will be remove and the kit would be returned to the supply system as a kit.

- Kit with only part of the kit is installed.

Description: the kit contains a serialized item, has its own NSN and is tracked throughout its life, not all components are installed (hard case that the kit is transported in is not installed, or a piece of test equipment that is part of the kit is never installed. When the kit is uninstalled the part are put back in the shipping case and returned to the supply system.

- o Create a physical kit data plate with its own kit level serial number and UII.
- o PM/Engineering Support Activity (ESA) will determine the location for the kits data plate on the shipping container.
- o Once the kit is uninstalled the kit would returned to the supply system as a kit.

SERIALIZE MANAGE MATERIALS THAT CANNOT PHYSICAL BE MARKED:

Description: item that calibrated and/or items that cannot be marked because safety.

- Calibration weight set.

- o Create a physical kit/set data plate with its own kit level serial number and UII.
- o PM/Engineering Support Activity (ESA) will determine the location for the kits data plate on the carrying case.
- o If no carrying container create the kit/set data plate with serial number to travel with the material and maintained at the unit.
- o Create UIIs for each weight and place the UII on the kit/set data plate.

NOTE:

The weight set data plate would contain a kit/set UII and one each UII for each weight in the set/kit.

IUID MARKING OF SMALL ARMS:

- Small arms that begins life as a lever receiver, receiver cartage, and etc.
  Description: the serial number for small arms is affixed to the receiver group and becomes the weapons serial number once configured.

- o The manufacturer creates the serial number and UII for the receiver.
- o The PM will do a part number rollover when the receiver is configured in to a weapon system before fielding.
- o If the weapon is upgraded to a new NSN the PM will update the UII data in the DoD Registry using TAMMS-A/MCDS IAW the AMC IUID Implementation plan.

CONTAINERIZED ASSEMBLIES/COMPONENTS: (CLIX) Items/assemblies that are shipped as an assembly with container.

NOTE:

The unit will follow normal issue/turn-in procedures

- Assemblies/items with container, NSN in the parts manual is assembly with container (no NSN w/o container).

    o PM will create the UII using the catalogued NSN/PN from the item's/assemblies parts manual.
    o PM will put a duplicate UII with the item/assemblies serial number on a tag outside of the container.
    o When the item/assembly is removed from the container and installed the UII tag is removed from the container and replaced with the SN and UII number of the old item/assembly.

- Assemblies/items with serialized container; the assembly/item is serialized and the container is serialized.

    o PM will create a UII for the container and the assembly/item.
    o Create the UIIs using the catalogued NSN/PN from the item's parts manual.
    o Create a duplicate UII with the item/assemblies serial number on a tag outside of the container.
    o When the item/assembly is removed from the container and installed the UII tag is removed from the container and replaced with the SN and UII number of the old item/assembly.

The point of contact for this document are HQ AMC IUID Team, Mr. Jack Tillery 256-450-8143, email Melvin.j.tillery.civ@mail.mil or IUID Team email **usarmy.redstone.usamc.mbx.iuid@mail.mil .**

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Marking set with multiple components.

Jack Tillery

HQ AMC G3 IUID

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