



UNIQUE IDENTIFICATION (UID)

Quality Assurance Breakout



Quality Assurance Breakout Group

Quality Program Issues

1. Need common terminology for UID at large
2. How to create an integrated digital data environment
3. Data Quality challenges
 - Ensuring no UID duplication internationally
 - Need “Idiot’s Guide to Part Marking Verification”
4. Degradation of performance when marking legacy
5. Quality planning at facility or organizational level
 - How to execute site level plans versus standards
6. Quality plan execution
 - Implementation/process controls
 - Use of first article UID’s/process inspections vice contract inspections
7. System is broken
 - How will MID 909 affect this?
8. Use of CAGE codes by other than the marking activity – becomes a data/registry element
9. Data requirements for UID “readability” verification
10. DCMA expectations and plan for rejection and non-compliance requirements need to be clear
11. Calibration of calibration requirements for UID verification – process controls
12. QC of UID clause as an administrative DCMA function as part of contract requirement



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Quality Standards Issues

1. ISO 15415 – MIL-STD-10M reconciliation: lighting/angles for direct part marking
2. Common terminology: e.g., change “mark” to “identification”, different perspectives from different nations
3. Modification of DoD quality standards (DoD AIT Office, DCMA) – adopt industry standards
4. Define “depot”: maintenance vs distribution
5. Interface/normal business process standards
6. Verification of data quality – I.e. duplications, USA/Int’l repository or one repository
7. Harmonize engineering specs/standards and communicate the expected quality level
8. Overall Q-plan should be site level vs ISO spec level standards
9. Review the mark readable standard (AS9132 discussed); reading technology needs to match manufacturing technology
10. Adjust ISO 15415 requirements
11. Don’t create a UID spec – incorporate in existing specs or elsewhere
12. Get marking process to an ISO standard
13. Good, robust standard in place that is simple



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Quality Control Issues

1. Mark quality issues are treated as non-conforming material
2. ID pass criteria for marking inspections
3. Overall process control (in-plant) established early
4. Standardize the procedure verification and inspection issues
5. Training standardization – inspector and equipment use
 - DAU Distance Learning capability
6. If part is coated/painted, diminishes readability
7. Virtual assignment of UID – data capture?
8. Trigger points at depot – unmarked parts: who is responsible?
9. Verification of UID data in the mark
10. Data retention/storage requirements – shelf-life: who keeps and retains?
11. Transaction between government & industry & international identified in business rules.



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Technology Issues

1. Establishing baseline quality criteria for verification process: needs to be addressed in legacy policy
 - **Need to address minimum pass/fail criteria** (perhaps in a phased approach) that can measure the manufacturing capability approach (discussed AS9132) **Mark R.**
 - Standards need to be reviewed for “reality” (15415 changes appear to be required)
 - Is MIL-STD-130M sufficient to articulate quality baseline requirements?
 - Does this criteria meet field level and maintenance requirements (I/O/D level)
2. Qualification of vendors’ products – should be an AIA/DoD/GEIA discussion
3. Making sure the NSN/NATO Stock # is integrated into UID functionality



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Registry Issues

1. NSN integration
2. DVD (Direct Vendor Delivery)
3. Location update from depots
4. Marking legacy and voiding warranties
5. Surplus dealers and distributors – Quality and Registry
6. Quality control of data in registry
7. CAGE code length needs to address international field length

Legacy Policy Issues

1. Data capture/assignment of virtual UIDs needs to be defined and business rules identified.
For external, internal, and international.
2. Trigger points need to be id'd