



Cataloging and Legal Requirements for Packaging of Cartridge/Propellant Actuated Devices (CADs/PADs)

Presented at:

CAD/PAD Technical Exchange

Presented by:

Naval Packaging, Handling, Storage and Transportation (PHS&T) Center

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General/Overview



- NAVSUP interplay of the Technical Agents
- Getting through gating and status code 9
- Meeting harmonized 49 CFR requirements
- Meeting MIL STD 129 requirements
- All tied to Special Packaging Instruction (SPI)s or Ship Pack Condition (SPC) drawings
- Reviews against cataloging
- Non-standard packaging



Navy Cataloging



- Managed by NAVSUP GLS for the assignment and activation on NSN and DODIC/NALC fed into the Federal Logistics Information System
- Requires the review and signoff of Technical Agents for HERO, ESD, Demil, Hazard Classification, Physical Security and Packaging
- Many of the other Technical Agents review the item and make their assessment based on effects of the packaging involved, thus a deviation from the packaging can have negative safety effects for the users



New Cataloging Phase



- NAVSUP has implemented a “gating” process for getting into the cataloging process
- This keeps items from stagnating in status code 9 when they weren’t mature Technical Data Package (TDP) concepts to begin with
- From a packaging perspective to get past the gate you need the following information:
 - Concept of packaging that will lead to a SPI/SPC
 - ✓ Quantity per inner pack and outer pack
 - ✓ Selected type of packaging (fiberboard/wood/steel...box, drum...)
 - ✓ Explanation of packaging through the logistics cycle (wholesale and single configuration to demil, wholesale>retail through demil, or wholesale>retail>demil configurations)
 - ✓ Timeline/plan for SPI or SPC creation



49 CFR Legal Requirements



- Reviewed during the cataloging process:
 - Proper Shipping Name (location size)
 - UN Identification Number (location)
 - UN Specification Packaging Marking (location, format, Size)
 - Hazard Classification Label (location)
 - If not moved by UN Specification Packaging
 - ✓ DOT Exemption
 - ✓ DOT Special Permit (DOT-SP)
 - ✓ Certificate of Equivalency (COE)
 - ✓ Competent Authority Approval (CAA for packaging)
- Also partially reviewed (packaging configuration) during contract acceptance



MIL STD 129 Requirements



- Reviewed during the cataloging process
- Includes the legal marking requirements of the 49 FR
- Additionally physical marking requirements of inner packs
 - NSN and DODIC
 - Quantity
 - Lot
 - Serial number
- Additional physical marking for outer packs
 - All the marking for inner pack reproduced plus:
 - ✓ Box end lot and DODIC numbers (both ends)
 - ✓ If Air Force controlled (SPI number)
 - ✓ 2D Barcode with HRI label with condition code / label and separate Material Condition Code tag/label
- Also partially reviewed (packaging configuration) during contract acceptance



SPIs and SPCs

- One stop shop for all the requirements in one document
- Define the packaging for one or more logistics phases (wholesale, retail, demil)
 - Dimensions, and type/grade/spec
 - 49 CFR requirements (closing/marketing/labeling)
 - MIL STD 129 requirements met for marking and labeling
- Replacement for the old section 5 packaging in an item specification
- No longer accepting “Commercial Best Practices”
 - Non hazardous components cataloged to dimensions and Spec/Type/Grade/Class/Style
 - Hazardous components SPI or SPC required



Reviews Against Cataloging



- POP reports reviewed as part of contract acceptance:
 - Packaging configuration in POP report reviewed against cataloged data in NAVSEA SW020-AC-SAF010 (TRANSPORTATION AND STORAGE DATA FOR AMMUNITION, EXPLOSIVES, AND RELATED HAZARDOUS MATERIALS)

- Common findings that cause rejection:
 - Use of a 4GV packaging that calls out vermiculite
 - Dimension not per the SPI
 - Container material not per the SPI
 - Quantity per unit pack or outer not consistent with the TDP



Deviations Against Cataloging



- Deviations against cataloging initiate a Non-Standard Packaging (NSP) letter
 - Letter process created to ensure when a RFV / RFD for packaging are made with consideration to other Technical Agent requirements
 - Creates a feedback loop to change TDPs



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Questions?

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