DCMA NSEO MANUFACTURING PROCESS SURVEILLANCE (MPS) CHECKLIST #05

INSPECTION AND TESTING

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| |  |  | | --- | --- | | **SUPPLIER & CAGE:** |  | |  |  | | **LOCATION:** |  | |  |  | | **PROCESS:** |  |   **Program Type:**   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  | Level I/SUSBAFE (LI/SS) |  | Navy Propulsion Program (NPP) |  | Deep Submergence Systems/Scope of Certification Program (DSS-SOC) | |  | Nuclear Plant Material (NPM) |  | Naval Nuclear Propulsion Program (NNPP) |  | Aircraft Launch & Recovery Equipment (ALRE) | |  | Fly By Wire Ships Control Systems (FBWSCS) |  | Ships Critical Safety Items (SCSIs) |  | Other: |   **Contractual Requirement(s) for this process:**   |  | | --- | |  |   **Supplier Procedure Number(s), Title(s) & Revision Level(s)/Date(s):**   |  | | --- | |  |  |  |  |  | | --- | --- | --- | | Surveillance Performed By: |  | | |  |  | | | Date(s) of Surveillance: |  | | | Contract Number(s): | |  | |  | |  | | Part Number(s)/Serial number(s)/NSN: | |  | |  | |  | | Part Nomenclature(s): | |  | |  | |  | | Supplier Personnel Contacted and Titles: | |  | |  | |  | | Drawing Number & Revision: | |  | |  |  |  |

**Process Concerns and Guidance:**

* Inspection and test results and accompanying documentation is incorrect, incomplete or missing.
* Inspections and tests not performed or performed incorrectly
* Dimensional inspection from incorrect drawing revision
* Incorrect dimensions specifically on pitch, major and minor diameters and also damage on internal and external screw threads, especially when MIL-DTL-1222J requirements are specified
* Visual inspection and cleanliness of items
* Lot sample sizes incorrect
* Contractor personnel may not be properly trained to take accurate measurements.
* Some contractors may rely on the QAR’s inspection records and results to ensure dimensional compliance and justification to deliver products to the Government.

**QARs should use the “BASIS OF DETERMINATION” column to document the objective quality evidence and/or clarify the rationale used to support their decision. (e.g. direct observation, documents verified etc.)**

S = Satisfactory U = Unsatisfactory

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| **SURVEILLANCE QUESTIONS** | **S** | **U** | **BASIS OF DETERMINATION** |
| 1. Review a sample of inspections or tests being performed by supplier personnel in accordance with procedures. Are the operators qualified to perform the inspection or tests reviewed? **Record all operations observed (include appropriate specification or work instruction, where applicable) and the corresponding operators’ names.** |  |  |  |
| 1. Is inspection and testing equipment of the required adequacy, accuracy and precision, and range to assure supplies produced comply with specifications and drawings? **Record names and tests or measurements witnessed, and equipment used.** |  |  |  |
| 1. Are items sampled (inspection and testing equipment) part of the supplier’s calibration program and within the calibration/check cycle? **Record names and tests or measurements witnessed, and equipment used.** |  |  |  |
| 1. Are calibrated tools used in the inspection and test process current, adequate and traceable to certifications? |  |  |  |
| 1. Are work instructions, drawings, specifications and testing and inspection procedures, travelers, etc. being used current, adequate, clear, concise and up to date (latest revision)? Are they available to personnel and are they following them? |  |  |  |
| 1. Is there an over check program in effect to confirm worker's or inspector's results on a sampling basis and is it known to exist by the workers/inspectors? |  |  |  |
| 1. Are records documented satisfactorily? |  |  |  |
| 1. Are positive inspection or testing results recorded (i.e. SAT or UNSAT) to clearly indicate the status of the supplies after the inspection or test? |  |  |  |
| 1. Are records in ink with errors utilizing "line through", initial and date procedures? |  |  |  |
| 1. Are there adequate methods of segregating accepted and rejected material in use (e.g. materials awaiting inspection are segregated from materials that have been accepted or rejected)? |  |  |  |
| 1. Is the product adequately identified with the proper documentation and certifications to provide clear material traceability throughout the products’ processing and does the product match the documentation? |  |  |  |
| 1. Are precautions in place to prevent damage and/or contamination to product during and in between testing and inspection operations? |  |  |  |
| 1. Are parts protected from contamination during and after all inspection and testing operations? |  |  |  |
| Other observations: |  |  |  |
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| **Overall MPS Results:** | **SATISFACTORY** |  | **UNSATISFACTORY** |  |

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| **Corrective Action Generated?** | **No** |  |  | **Yes** |  |  | **CAR#** |  |

**FOLLOW-UP ACTION REQUIRED?**

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**SUMMARY/NOTES/COMMENTS/CONCERNS**:

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