DCMA NSEO MPR/MPS CHECKLIST #03

Addendum 1 - NDT QUALIFICATION, CERTIFICATION AND OVERSIGHT

|  |  |
| --- | --- |
| **SUPPLIER & CAGE:**  |  |
|  |  |
| **LOCATION:** |  |
|  |  |
| **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:**

* Written Practice: Navy NDT specifications require the use and adherence of an Examiner approved qualification and certification program procedure, i.e. Written Practice.
* Initial NDT Training: Initial training courses are an important aspect of the NDT program that imparts the basic minimum information related to a specific NDT discipline to the individual inspector candidate or trainee.
* Work Time Experience: T9074-AS-GIB-010/271 requires the accumulation of work time experience prior to attempting certification for the first time for each method.
* Certification Process: The certification process entails administering written and practical exams that meet specific criteria and requirements.
* Oversight: Navy specifications require administration of NDT Inspector Oversight in the form of surveillances, re-inspections and Technical Performance Evaluations.
* Examiner Responsibilities: All Navy NDT specifications contain numerous Examiner responsibilities that must be adhered to in the administration of the NDT program.

**Governing Specifications**:

* Recommended Practice No. SNT-TC-1A
* T9074-AS-GIB-010/271
* MIL-STD-2132
* NS250-1500-1
* NSTR-99

| **No.** | **Checklist Item** | **Yes** | **No** | **N/A** | **Remarks / Method of Compliance** |
| --- | --- | --- | --- | --- | --- |
| **1** | **WRITTEN PRACTICE (TP271-1.6, TC1A- 5.0, NSTR99-2.0)** |
| **a** | Is there a Level III Examiner approved NDT Written Practice?  |  |  |  |  |
| **b** | Does the written practice contain, identify and meet the minimum requirements for the control and administration of the NDT program for each Level of Certification by method and technique for:  |  |  |  |  |
|  | * Personnel training.
 |  |  |  |  |
|  | * Examinations.
 |  |  |  |  |
|  | * Certification/Recertification.
 |  |  |  |  |
|  | * Describe the responsibilities of each level of certification.
 |  |  |  |  |
|  | * Minimum training hours
 |  |  |  |  |
|  | * Minimum experience (WTE)
 |  |  |  |  |
|  | * Test techniques within each test method applicable to its scope of operations.
 |  |  |  |  |
| **2** | **OVERSIGHT PROGRAM (TP271-1.6.10, TC1A-10.0, NSTR99-3.0)** |
| **a** | Is there an NDT oversight and surveillance program or plan?  |  |  |  |  |
| **b** | Is it specified in the written practice or other document? |  |  |  |  |
| **c** | Does it address the following items: |
|  | * Oversight of NDT personnel (excluding Examiners).
 |  |  |  |  |
|  | * Technical Performance Evaluations, by the end of the second year of certification.(TP271)
 |  |  |  |  |
|  | * Monitoring surveillances of each inspection method certified, performed annually.
 |  |  |  |  |
|  | * Reinspecting previously accepted product.
 |  |  |  |  |
|  | * Monitoring within 6 months of initial certification for each inspection method qualified and then annually thereafter. (NSTR-99)
 |  |  |  |  |
|  | * Reinspection of previously accepted product on each inspector in each method qualified once during certification cycle. (Not to be performed in conjunction with monitoring).
 |  |  |  |  |
| **3** | **RECORDS (TP271, TC1A, NS250-1500, MS2132, NSTR99)** |
| **a** | Is there an individual “NDT personnel qualification”, certification and monitoring record for each inspector?  |  |  |  |  |
| **b** | Do the records contain the following information as a minimum?  |  |  |  |  |
| **c** | **T9074-AS-GIB-010/271 Rev. 1 (para. 1.6.8) and SNT-TC1A-2016 (para.9.4).**  |  |  |  |  |
|  | * Name of the certified Inspector.
 |  |  |  |  |
|  | * Level of certification, NDT method and/or technique.
 |  |  |  |  |
|  | * Educational background and experience including training prior to initial certification.
 |  |  |  |  |
|  | * Vision exam for current and preceding certification period, including corrective aids.
 |  |  |  |  |
|  | * Statement indicating satisfactory completion of training IAW the employer’s written practice with Level III Examiners signature.
 |  |  |  |  |
|  | * Current exam copies or evidence of successful completion of examinations that can be correlated to the exam administered.
 |  |  |  |  |
|  | * Results of exams with composite grades or suitable evidence of grades.
 |  |  |  |  |
|  | * Current ASNT certification letter for each method for basic and method exams for Examiners.
 |  |  |  |  |
|  | * Dates of certification and/or recertification.
 |  |  |  |  |
|  | * Certification expiration date.
 |  |  |  |  |
|  | * Certification statement with the Level III Examiners signature for Level I and II’s. Signature of the employer’s representative for Level III Examiners.
 |  |  |  |  |
| **d** | **NSTR-99 para. 4.0 (NS250-1500-1, MS2132)**  |
|  | * Name of Employee and qualification level
 |  |  |  |  |
|  | * NDT qualification records, including the graded written and operational exams.
 |  |  |  |  |
|  | * Dates of monitoring including method and technique monitored
 |  |  |  |  |
|  | * Specific identification of product used for qualification and monitoring.
 |  |  |  |  |
|  | * Deficiencies noted, or other remarks as applicable.
 |  |  |  |  |
|  | * Corrective action if deviancies are noted.
 |  |  |  |  |
|  | * Records of reinspections
 |  |  |  |  |
| **4** | **EXAMINATIONS (TP271-1.6.4, MS2132-10.5.2, NS1500- 6.7.7.1)** |
| **a** | Are all exam materials or data bases adequately secured to prevent unauthorized disclosure or use? |  |  |  |  |
| **b** | Are level I and II personnel recertified to the same extent as the original certification every three years?  |  |  |  |  |
| **c** | Are Examiners recertified to the same extent, (except the basic exam), as the original certification every 5 years? |  |  |  |  |
| **d** | **T9074-AS-GIB-010/271 Rev. 1, SNT-TC1A-2016** |
|  | * Does the responsible Level III approve all written and practical qualification exams? (TC1A 8.1.1)
 |  |  |  |  |
|  | * Are there general (theory) written exams for Level I and II with at least 40 questions for each method? (TC1A-Table 8.3.4)
 |  |  |  |  |
|  | * Are the general written exam questions verbatim from the “ASNT Questions & Answers Books, (***this is*** ***not allowed***)? (TC1A- 8.6)
 |  |  |  |  |
|  | * Are there specific (specifications) written exams for Level I and II with at least 20 questions for each method? (TC1A-Table 8.3.4)
 |  |  |  |  |
|  | * Do the specification exams address the equipment, operating procedure, and NDT techniques that the individual may encounter during specific assignments? (TC1A- 8.4.1)
 |  |  |  |  |
|  | * Are there practical (operational) exams for Level I and Level II for each method? (TC1A- 8.5)
 |  |  |  |  |
|  | * Is at least one flawed specimen or component used to test personnel? (TC1A- 8.5.2)
 |  |  |  |  |
|  | * For Film Interpretation certification, does the practical exam consist of at least 20 images (radiographs)? (TC1A- 8.5.2.2)
 |  |  |  |  |
|  | * Are there checklists (attributes) with at least 10 different checkpoints for each method?

(TC1A- 8.5.4) |  |  |  |  |
|  | * Are there critical (pass/fail) checkpoints on the checklist? (TC1A- 8.5.5)
 |  |  |  |  |
|  | * Are all exam based upon a composite score of 80% with no individual score of less than 70%? (TC1A-8.1.5)
 |  |  |  |  |
|  | * Does a “qualified representative” of the Level III Examiner administer **written exams**? Is there documented evidence of this qualification and appropriate training by the Level III? (TC1A-8.1.2)
 |  |  |  |  |
|  | * Does a “qualified representative” of the Level III Examiner administer **practical** **exams**? Are they certified in the applicable method as a Level II or III? (TC1A -8.1.2)
 |  |  |  |  |
|  | * Is there evidence the “Examiner Specific Exam” has been administered to the Level III Examiner? (TP271- 1.6.2.1)
 |  |  |  |  |
|  | * Is there evidence the Level III Examiner has taken the “basic” exam prior to their initial certification? (TC1A- 8.7.1)
 |  |  |  |  |
|  | * Are certification exams being administered by one’s self or a subordinate (***this is not allowed***)? (TC1A- 8.1.8)
 |  |  |  |  |
| **e** | **NSTR-99** |
|  | **Written Exams** |  |  |  |  |
|  | * Are there written exams for each inspection method performed at the supplier?
 |  |  |  |  |
|  | * Do operator only (Level I) written exams contain at least 25 questions and do they contain the required mix? (NSTR99- 5.0.B.1, Table 1)
 |  |  |  |  |
|  | * Do Inspector (Level II) written exams contain at least 50 questions and do they contain the required mix? (NSTR99- 5.0.B.1, Table 1)
 |  |  |  |  |
|  | * Are two answer questions limited to 20% of the exam? (NSTR99- 5.0.B.2)
 |  |  |  |  |
|  | * Are there at least 2 separate exams for each method or if an exam generator is used are there enough questions for at least two different exams? (NSTR99- 5.0.A.6)
 |  |  |  |  |
|  | * Do exams have maximum of 20% repeat questions? (NSTR99- 5.0.A.7)
 |  |  |  |  |
|  | * Do written exams have uniform point values? (NSTR99- 5.0.A.8)
 |  |  |  |  |
| **f** | **Practical Exams** |
|  | * Are there practical exams for each inspection method performed at the supplier?
 |  |  |  |  |
|  | * Do practical exams contain artificial or natural flaws and are grossly rejectable flaws avoided? (NSTR99-5.0.C.1)
 |  |  |  |  |
|  | * Are specific point values assigned to each indication and important aspects of the technique? (NSTR99- 5.0.C.3)
 |  |  |  |  |
|  | * Are specification exam questions current to the most recent revision of the applicable specifications?
 |  |  |  |  |
|  | * Are test props mapped, photographed or otherwise recorded? (NSTR99- 5.0.C.3)
 |  |  |  |  |
|  | * Are key portions of the practical exam monitored by the Examiner or a delegated representative? (NSTR99- 5.0.A.12)
 |  |  |  |  |
| **5** | **Vision Test Requirements** |
| **a** | * Is there a J-1 vision exam record for each Level I, II and III? (TP271, 1.6.7, MS2132, 10.7, NS1500, 6.7.3)
 |  |  |  |  |
| **b** | * Is there a color discrimination vison record for each Level I, II and III? (TP271, 1.6.7, MS2132, 10.7, NS1500, 6.7.3)
 |  |  |  |  |
| **c** | * For individuals with impaired color vision (color blindness) is there a record of an alternative color perception exam for discerning colors of the different examination methods? (TP271, 1.6.7, MS2132, 10.7, NS1500, 6.7.3)
 |  |  |  |  |
| **6** | **Alternate Qualification Program (NSTR-99)** |
| **a** | * Does the supplier use an alternate qualification program? (NSTR99- 8.0)
 |  |  |  |  |
| b | * If the supplier applies the alternate program, does the supplier apply NSTR-99 paragraphs 2.0, 3.0, 6.0 and 7.0 (***this is required***)? (NSTR99- 8.0)
 |  |  |  |  |
| c | * If the alternate program uses the SNT-TC-1A, see attributes above, (SNT-TC-1A requirements are mandatory). (NSTR99, 8.0)
 |  |  |  |  |
| d | * Is the supplemental written exam with a minimum of 20 questions related to NNPP administered to Level II personnel? (NSTR99- 8.0.d)
 |  |  |  |  |
| **7** | **Other Concerns or issues** |  |  |  |  |
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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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