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| **ВNPP-2 Project / ПРОЕКТ БАЭС-2****Technical Design / Технический проект****Principal Covering Letter No. and Date:** *007/UKS-07/09/00326, 06.09.2019* | **Title/ Заглавие:***Reviewing of MP "Inspections and tests"* on "Atommashexport" |
| **Document Number/ № документа** *BU2.1128.0.0.QM.QA0001 Rev. B00* | **Section/Раздел:-**  |

**Reviewer’s Name/ Имя рецензента: The Principal**

| **№** | **File/Файл****Subsection/ Подраздел****Page/Стр** | **The Principal comment/Комментарий** | **References or****Reasoning/ Основание** |
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|  | 1.2 | The recording and documentation of the results of carrying out of inspections and tests shall be included to this item. | Expert Judgment |
|  | 4 | The followings shall be included to this item:* NP-071-06;
* MP BU2.0903.0.0.QM.QA0002 "Inspections and tests";
* РД ЭО 1.1.2.01.0713-2013.
 | BU2.0903.0.0. QM.QA0002 |
|  | 5.3 | Responsibility of the Contractor shall be revised and corrected, some items are not related to the Contractor Responsibility such as followings:* Elimination of the comments and non-conformances identified in the course of the inspections and tests;
* The results (Inspection and Tests) of all Control Points including HP, WP and RP in all stages of the Project shall be recorded within Information Management System;
* Incorporation of this Procedure requirement in contracts with subcontractors.
 | Expert Judgment |
|  | 5.4 | The following item shall be deleted from the Principal Responsibility:"Preparation of the documents on the results of Inspections and Tests on behalf of the Principal (Quality plans, Acceptance Inspection Certificate, Protocol, etc.)". | Expert Judgment |
|  | 6 | In this Procedure shall be explained how to performance and record/ register of Control and Test of special process/ activities related to manufacturing. | OCT 108.004-86 |
|  | 6 | * The theoretical and practical training and qualification of inspector/ specialist shall be explained separately.
* It is required to explain the following items:
* How to establish the Permanent Commission in AME;
* Who is Authorized for determination for members of Permanent Commission;
* How to train and qualify the Permanent Commission members;
* Duration of keeping certificates of NDT and DT specialist.
 | BU2.0903.0.0. QM.QA0002 |
|  | 6 | Prior to development and submission of QPs, AME shall be registered by NPPD and shall be granted Permit for each manufacturing of equipment and the following documents shall be available:* Technical Specification (TR, TA) for product;
* Design documents for components and assembly units for manufacturing of product;
* Issuance of the Basic Design documentation of each product, component;
* Acceptable results of examination of technical documents acquired for product, components, materials and semi-products;
* Approved manufacturing drawings (including СБ, ТБ1, and ТБ2) by LMO.
 | Contract |
|  | 6 | For main parts that under pressure and have special process, AME shall be developed individual QP. | Expert Judgment |
|  | 6 | The Time Schedule in compliance with operations (Control Points) of QP shall provide along with QPs. | MoM-4310-9710 on WG -7 |
|  | 6 | Control Points for AME should be established with the HP (Hold Point) status for all control operations in Quality Plan. | Expert Judgment |
|  | 6 | Before submission of QPs for manufacturing of equipment, AME shall hand over to the Principal the list of blanks, which will be manufactured by subcontractors. | Expert Judgment |
|  | 6 | The criteria for development of subcontractors QP and participation of AME in Control Points of subcontractors QP shall be specified. | Expert Judgment |
|  | 6 | All Project documentation including Working Design Documents, Design Documents, manufacturer's documentation, procedures, reports, specifications, and etc. shall be coded on the basis of coding system introduced within the mentioned procedure.  | BU2.0120.0.0. QM.DC0003 |
|  | 6 | The main blanks/ parts/ components/ material which are purchased shall be mentioned in incoming control operation according to (TB1, TB2 (if any)) and the Parts which are produced at manufacturer shall be considered in QPs according to related drawings and specification. | BU2.0903.0.0. QM.QA0002 |
|  | 6 | The followings shall be checked during the Incoming Inspection:* State (integrity, no damages) of packaging and seals (if any);
* Exterior view and preservation of incoming products (no visible defects and damages);
* Availability and correctness of marking;
* Number, nomenclature, dimensions, types, trademarks of incoming products specified in supporting documents;
* Availability and completeness of filling in the supporting documents and compliance of their data with technical requirements;
* Other relevant types of control shall be performed (if necessary).
 | BU2.0903.0.0. QM.QA0002 |
|  | 6 | * Incoming Control of materials, semi-finished products and welding consumables is performed as per "Incoming Control list" developed as per the requirements of Decision № 06-4421 rev. 3
* Compliance of accompanying documents with the requirements of design documentation shall be considered in QPs.
 | Expert Judgment |
|  | 6 | If the incoming inspection results are negative, the technical control department specialist uses the following procedure:* Identification of non-compliant products;
* Isolation of non-compliant products;
* Registration of the Protocol on non-conforming products and transfer to the Procurement Department;
* Analysis and decision to reject by the technical services (the chief designer department and/or the chief technologist department and/or the chief welder department);
* making a decision on the forwarding a claim to the supplier (sub-supplier);
* Re-submission and acceptance in accordance with the decision of the technical services.
 | BU2.0903.0.0. QM.QA0002 |
|  | 6 | Each subsequent stage of production (if necessary - the technological operations of production) in accordance with prepared QP can start only when the inspection and test of the previous stage have been completed, including the development and approval of the report documents issued by the manufacturer. | NP-071-06 |
|  | 6 | Structure (summary) of manufacturing documents to be supplied and delivered along with equipment shall be introduced. | The Contract |
|  | 6 | Test programs and procedures shall at least include the followings:* Quantitative and Qualitative Acceptance Criteria;
* Requirements for the conditions of test supervision and safety assurance during the tests;
* Requirements for assurance of test supervision reliability;
* Requirements for documentation of the test supervision results.
 | Expert Judgment |