AKKUYU NÜKLEER ANONİM ŞİRKETİ

APPROVED BY
Order of AKKUYU NÜKLEER
ANONİM ŞİRKETİ
dated _____ No. _____

Integrated Management System

PROCEDURE

Management of Non-conformances Detected during Manufacturing and Incoming Inspection of Products for Akkuyu NPP.

QUA-II-RG-CQ-14-192-2021

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Approval sheet

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Foreword

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Contents

1 Purpose and field of application

1.1 This document "Procedure. Management of non-conformances, identified during manufacturing and incoming inspection of products for Akkuyu NPP (hereinafter – the Procedure) has been developed in accordance with the requirements of Guidelines for Management System at Nuclear Facilities and establishes requirements to non-conformance management during manufacturing, compliance assessment, incoming inspection of products in accordance with QUA-II-RG-CQ-14-190 (Section 3), intended for use as part of components or as components assigned safety classes 1, 2, 3, 4 as per NP-001 and:

a) delivered directly to the NPP;

b) used as a component part in the manufacture of products supplied to the NPP.

1.2 This Procedure shall apply to:

1.2.1 Product non-conformances identified by the manufacturer's personnel and/or specialists of organizations involved in compliance assessment during the following inspection and process operations (verification of accounting documents based on the results):

a) incoming inspection of base and welding (surfacing) materials, semi-finished products and components at the manufacturer and its sub-suppliers;

b) process and/or inspection operations of manufacturing of products at the manufacturer and its sub-suppliers;

c) preliminary, complex and/ or independent, acceptance, qualification, commissioning, standard, periodic and other tests of products at the manufacturer and its sub-suppliers.

1.2.2 Product non-conformances, identified during the incoming inspection at the NPP.

1.3 The Company's requirements for managing non-conformances during manufacture and incoming inspection of products for NPP, specified in this Procedure, are formed taking into account GD.AKU.8.7-0630-0023, the Unified Industry Procedure for non-conformance management and based on the following ground rules:

a) graded approach when making decisions on non-conformances from the point of view of distribution of responsibility between organizations depending on the degree of impact of non-conformance on the operational properties and safety of products;

b) fulfillment of the following requirements by all organizations participating in the process of manufacturing, supply and incoming inspection of products: laws of the RT and the RF, regulatory documents of the RT and the RF, regulatory legal acts, standards and guidelines included in the Project licensing base;

c) unification of procedures and forms for submission of information during accounting, registration and removal of non-conformances;

d) interaction between all participants in the decision-making process on non-conformances in accordance with the requirements of this Procedure;

e) documentation and timely notification of identified non-conformances;

f) making agreed decisions on implementation and control over execution of corrective actions for elimination of detected non-conformances;

g) documentation of the results of correction, ICA (Interim containment actions), corrective and preventive actions (if they are performed);

h) periodic monitoring and verification provided by the Company of the timeliness and completeness of fulfillment of the requirements of this Procedure by all organizations participating in the process of manufacturing, delivery and incoming inspection of products.

1.4 Product non-conformance management activities are carried out in the unified industry information system of the Rosatom State Corporation (hereinafter referred to as Rosatom) - UIS-Quality and in accordance with the requirements of this Procedure.

1.5 The requirements of this Procedure are mandatory for the subdivisions of AKKUYU NÜKLEER ANONİM ŞİRKETİ (hereinafter referred to as the Company), the Authorized Organization and organizations involved in the design, manufacturing, compliance assessment and incoming inspection of products supplied for NPPs.

2 Regulatory references

References to the following regulatory documents are used in the Procedure:

Document designation	Name
Official gazette of the Republic of Turkey dated 08.04.2017 No. 30032	Guidelines for Management System at Nuclear Facilities.
NP-001-97	General Provisions on Nuclear Power Plants Safety.
Rosatom State Corporation Order No. 1/257-II dated March 12, 2018.	Unified Industry Guidelines for the Calculation of Costs Caused by non-conformance of Products with the Established Requirements.
Rosatom State Corporation Order No. 1/821-II dated July 29, 2020 (Order of AKKUYU NÜKLEER ANONİM ŞİRKETİ No. 612 dated December 18, 2020).	Unified industry-specific procedure for non-conformance management.
By Rosatom State Corporation Order No. 01/717-II dated July 05, 2018	Rules of procurement subject to elimination of root causes of non-conformances
PNAE G-7-008-89	Rules for Design and Safe Operation of Equipment and Pipelines of Nuclear Power Facilities.
NP-031-01	Earthquake-resistant nuclear power plants design standards.
GD.AKU.8.7-0630-0023-2020	Guideline. Non-conformance management. General requirements.
QUA-II-RG-CQ-14-190-2020	Procedure. The Compliance Assessment in the form of acceptance and tests of products for Akkuyu NPP.

3 Terms and definitions

This Procedure uses terms and their definitions in accordance with QUA-II-RG-CQ-14-190, as well as the following terms with corresponding definitions:

Term	Definition

Interim containment actions	Actions aimed at protection of internal (employees, units of the organization) and external customer (customer as per agreement/contract) from the effects of non-conformance before implementation of corrective actions.
Action	An event, defined in appendix No. 3 and by functionality of UIS-Quality (for example, non-conformance notification, submission and review of non-conformance notice, drawing-up, approval and signing of plans and reports for correction, corrective and preventive actions, etc.).
Document for registration of non-conformances and decisions taken	Any decision or Report on a non-conformance executed in compliance with the requirements of this Procedure.
Documenting	Recording the information on various media in accordance with the established requirements.
Comments	Deviations from the established requirements: – errors in accompanying documentation (except non-conformance of technical characteristics, volumes and methods of control of the base metal, welded joints, overlaying to the corresponding requirements provided by ITD, TA, TS (technical specifications), WDD, RD (regulatory documentation) and forms of a data sheet (a certificate of products manufacturing) for the products, to the form shown in Federal rules and regulations in the field of the use of atomic energy); – deviations caused by incompleteness of the supporting documentation (except for the absence of: a document on the product quality (certificate of quality / service list / data sheet / label / certificate of manufacturing), an Operating Manual, an Installation Manual (in the event of this section's absence in an Operating Manual), a Quality Plan, the Decision on the use, a certificate of conformance, a certificate of approval of a type of measuring means). – deviations from the requirements of ITD/TA if there is a WDD agreed with the Company; – deviations that do not affect the installation of equipment (upon the Company's decision).
Key Event	A named, suitably defined obligation under the Contract which has a specified time of performance and achievement of which is to be confirmed by the Parties through documentation.
Team	A group of employees formed by a Leader, authorized in accordance with the procedure established in the organization to carry out analysis of non-conformances, determine actions for correction and interim containment actions, causes of non-conformances, corrective and preventive actions, and assess the significance of non-conformances that may occur in processes of production and/or

	delivery of products, performance of work, provision of services to the specified organization and its suppliers.
Root cause of a non-conformance	Main cause for the occurrence of a non-conformance, the elimination of which prevents its recurrence.
Correction	An action for elimination of an identified non-conformance.
Corrective action	An action taken for removal of a non-conformance cause and preventing its recurrence.
Leader	Employee of the organization that has committed a non-conformance responsible for coordinating and organizing the work of Team members, as well as monitoring the formation and implementation of corrections, interim containment actions, corrective and preventive actions, formalization of the Non-conformance Report and the Non-conformance Elimination Certificate, a Leader is appointed in the established manner by the Officer Responsible for Quality in the organization which has committed a non-conformance.
Non-conformance	Failure to fulfill one or several requirements established by the ITD, TA/TS/TR, WDD, PDD or RD, regulatory legal acts of the RT and the RF, Federal rules and regulations in the field of the use of atomic energy and other RD specified in the ITD, TA, TS, TR, WDD or RD.
Organization	Legal entity or individual entrepreneur.
The person responsible for quality in the organization that identified a non-conformance	An employee of the organization that identified non-conformance, from among the senior executives, authorized by the organization's administration to make decisions on non-conformances within the area(s) of activities managed by this employee; decisions on non-conformances are related to informing on identified non-conformance, ascertainment and provision of additional information thereof to the organization that committed non-conformance, or to the customer of products and to the organization that identified the non-conformance.
The person responsible for quality in the organization that committed a non-conformance	An employee of the organization to which a non-conformance was directed, from among senior executives, authorized by the organization's management to make decisions related to elimination of non-conformance, or preventing it from recurrence or arising elsewhere, within the area(s) of activities supervised by this employee.
Non-conformance report	A document in hard copy or electronic format signed with an electronic signature, and containing all true (confirmed) information on non-conformance, including a detailed description of the non-conformance, information on decisions and/or actions taken specifying the scheduled and actual dates of performance and responsible officers.

Non-conformance recurrence assessment period	The period of time preceding the date of non-conformance identification, as of which the presence of previously identified similar non-conformances is being checked. The specified period is established on the basis of criticality of products, work, services in terms of safety and cyclicality of production and (or) delivery of products, performance of work, rendering of services. *Note - the recommended period of assessment of non-conformance recurrence must be at least:* *for safety class 1 products as per NP-001 – indefinitely;* *for safety class 2 and 3 products as per NP-001 – one year;* *for other products - half a year.*
Recurring non-conformance	A non-conformance, committed by the same organization, for the same or similar product, classified as the same type of non-conformance within the non-conformance recurrence assessment period.
Subject of non-conformance:	Products or process, the established requirements for which have not been fulfilled.
Preventive actions	Actions for elimination of causes of potential non-conformance or other potential situation.
Detailed Documentation	A set of text and graphic documents ensuring implementation of engineering solutions accepted in the approved design documentation for a capital construction facility, necessary for performance of construction and installation work, supply of equipment, products and materials for construction and/or manufacture of construction products. *Note: The detailed documentation includes basic sets of shop detail drawings, specifications for equipment, products and materials, estimates, and other enclosed documents developed in addition to the shop detail drawings of the main set.*

4 Abbreviations

The following abbreviations are used in the Procedure:

Abbreviation	Explanation
NPP	Akkuyu Nuclear Power Plant
NRA	Nuclear Regulatory Agency of the Republic of Turkey
ICA	Interim containment actions
GOST	State Standard
UIS-Quality	Unified industry quality management system of the Rosatom State

	Corporation
ITD	Initial technical documentation
CA	Corrective actions
LRA	Local regulatory act
RD	Regulatory document
ORFQ	Officer responsible for quality
PRQI	The person responsible for quality in the organization that identified a non-conformance
PRQC	The person responsible for quality in the organization that committed a non-conformance
NF	Nuclear Facility
OST	Industry Standard
DD	Preventive actions
EMD	Engineering and Manufacturing Documentation
DED	Detailed Engineering Documentation
RP	Reactor Plant
RF	Russian Federation
TA	Terms of reference
RT	Republic of Turkey
TR	Technical Requirements
TS	Technical Specifications
FSR	Federal rules and regulations
KKS code	Equipment classification and coding system accepted for NPPs (Kraftwerk Kennzeichen System)

5 General provisions

5.1 The main task of non-conformances management shall be their timely detection, development of measures for their elimination ant prevention of re-occurrence.

5.2 Non-conformance management shall be implemented by carrying out the following tasks:

a) non-conformance notice;

b) formation of a team;

c) clarification and/or expanding of description of non-conformance (when necessary);

d) planning and implementation of corrections and ICA;

e) determination of root causes of non-conformance;

f) development and implementation of corrective actions;

g) development and implementation of preventive actions;

h) formalization of conclusions.

5.3 Organizations, entering into product supply agreements for NPPs with suppliers must ensure that such agreements include the following conditions:

a) concerning binding nature of requirements of this Procedure for the General Contractor / Supplier / Manufacturing Plant;

b) on necessity of agreement between the General Contractor / Supplier / Manufacturing Plant and the Company of corrective actions and ICA, root causes, corrective and preventive action plans, as well as provision of information on implementation of such plans;

c) on compulsory connection of suppliers to the UIS-Quality system in accordance with Unified Industry Guidelines for providing users with access to centralized IT-resources of Rosatom State Corporation and Rosatom State Corporation organizations, accessible at: http://zakupki.rosatom.ru/?mode=CMSArticle&action=siteview&oid=985&returnurl=&node=qualitydocs;

d) on issue by the General Contractor / Supplier / Manufacturing Plant of an organizational and administrative document on the use of UIS-Quality with appointment of responsible persons (appointment of responsible representative of the top management of the organization for the use of UIS-Quality, assignment of roles in UIS-Quality system to organization employees (including functional role of the Leader), obtaining and use by ORFQs of electronic signatures, specifying areas of responsibility of ORFQs in the UIS-Quality, monitoring validity periods of employee's accounts in UIS-Quality);

e) on compulsory review by the General Contractor / Supplier / Manufacturing Plant of any non-conformance notice in UIS-Quality system sent to its address;

f) on the fact that in case of exceeding the established period for review of non-conformance notice by more than 5 (five) business days, the non-conformance notice in the UIS-Quality shall be considered automatically accepted by the committing organization.

5.4 Organization employees (except for the role "organization employee having information on non-conformance"), involved in management of non-conformances of products and processes related to manufacturing and supply thereof, must:

a) have the knowledge and skills to apply a Unified industry-wide procedure for managing non-conformances when detecting non-conformances in products and processes;

b) confirm their knowledge and skills with a document certifying that they have passed training and have a positive test result for the training course on applying the Unified industry-wide procedure for managing non-conformances when detecting non-conformances in products and processes in the nuclear industry (required only for PRQI, PRQC and Leaders);

c) complete full-time or distance training to work in UIS-Quality.

5.5 Procedures for managing non-conformances developed by the manufacturer of products (its sub-suppliers), Supplier, General Contractor, Authorized organization must take into account the requirements of this Procedure and establish:

a) the order of cooperation between the parties (officials, subdivisions, organizations) involved in non-conformances management, with the assignment of obligations and responsibilities, including the responsibility for agreeing on the measures relating to ICA and corrections, corrective and preventive actions, organization and control of their implementation, with the provision of deadlines for the fulfillment of the works, as well as the order of approval of documents on non-conformances by the Customer under agreement (contract) and/or the Company and/or the supervisory authorities;

b) procedure for identification of products that are not in conformance with the established requirements, by the way of marking them, labeling, isolating from the products which are in conformance with the established requirements, storage or otherwise for the purpose of preventing its unintentional use;

c) procedure for obtaining data on the amount of costs incurred by the Company / General Contractor / Provider / Manufacturer as a result of elimination of non-conformance calculated in accordance with the requirements of the Unified Industry Guidelines for calculating the costs caused by non-conformance of products with the established requirements;

d) procedure for determining the significance of non-conformances considering Appendix No. 1;

e) procedure for determining the scope of work performed to manage non-conformances, depending on the significance of non-conformances, taking into account the requirements of Appendix No. 2;

f) procedure for development and implementation of corrective actions, ICA and actions aimed at preventing the similar non-conformances and evaluating/analyzing their effectiveness;

g) classifier of types of root causes of non-conformances taking into account the requirements of this Procedure;

h) classification of non-conformances in accordance with section 7;

i) requirements on the necessity to conduct periodic system analysis of non-conformances;

j) unified forms of documents on non-conformances considering the requirements of Appendices No. 5 and No. 8, which, depending on the possible subjects of non-conformances, must contain a detailed list of information, the order of their storage and distribution (if necessary);

k) the procedure for recording and registering identified non-conformances before using the UIS-Quality (if necessary);

l) procedure of evaluation of impact of a non-conformance on a key event

5.6 In the organization that failed to avoid a non-conformance, the following shall be established:

a) the procedure for appointment of the Leader and definition of his/her authorities;

b) the procedure for Team formation, defining the authorities and responsibilities of its members;

c) the procedure and storage period of documented information on non-conformances.

The Team must have cumulative skills and competencies necessary for the development of corrective actions and ICA, defining reasons for non-conformances, development of corrective and preventive actions, assessment of significance of non-conformances.

The composition and number of acting Teams shall be defined by PRQC based on the specificity of its activities, a variety of manufactured products, etc. The composition of a Team shall

be defined based on the specificity of a non-conformance and can be altered at further stages of work with the non-conformance. When necessary, representatives of other organizations can be assigned to work in the Team.

5.7 If non-conformances are detected based on the results of incoming inspection of products at the NPP, the Company will provide the claim-related work against the General Contractor / Supplier (if there is a direct agreement (contract) with the Company) / Authorized organization in accordance with the terms of the relevant agreements (contracts).

5.8 Each identified non-conformance must be classified by the manufacturer, the corrections, ICA, corrective and preventive actions (if necessary) must be developed and performed for it, and a document of registration of the non-conformance and decisions taken must be issued.

Notes:

1. For semi-finished products (pipes, sheets, rolled stock and shaped products) used in the manufacture of products intended for use as part of components or as a component assigned safety class 1, 2, 3 or 4 as per NP-001, the deviations from the requirements of the DED and/or EMD that are not classified according to the criteria specified in item 7.1 for class A non-conformances are issued as documents of registration of non-conformances and decisions taken in the following cases:

a) when replacing the brand of a semi-finished product and/or using a semi-finished product manufactured according to an RD that does not correspond to the product specification in the DED;

b) when using a semi-finished product of a different size that is not subject to machining when manufacturing (for pipes – diameter, wall thickness; for sheets – sheet thickness; for rolled stock - diameter, quadrant side; for shaped products – characteristic dimensions);

c) when using semi-finished products without heat treatment and non-destructive testing (if these requirements are provided for by the RD and DED for products, and the standard manufacturing technology does not provide for the implementation of appropriate measures at the manufacturer);

d) when using a semi-finished product with physical, chemical, mechanical and technological properties that do not correspond to those specified in RD and DED for products;

e) when identifying unacceptable surface deviations of the semi-finished product, the correction of which is not provided for in the Regulatory documents for the product;

f) when identifying non-conformances in the framework of conformity assessment activities in the form of acceptance and testing of products or their incoming inspection at nuclear power plants.

In all other cases, for semi-finished products (pipes, sheets, long and shaped products), deviations from the requirements of the DED and/or EMD identified by the manufacturer and not classified according to the characteristics specified in item 7.1 are documented and approved in accordance with the order established in the manufacturer's procedures. These documents must be presented to the authorized organization and organizations participating in the work on compliance assessment in the form of acceptance and testing of products during the inspection of the relevant control points of the quality plan.

When correcting surface deviations of semi-finished products (pipes, sheets, rolled stock and shaped products) provided for by the RD for products, the results of visual and measurement inspection should be reflected in the accounting documents of the manufacturer that conducted the incoming inspection.

2. Unacceptable deviations from the parameters specified by the RD which were identified by the manufacturer in welded joints and deposited products during their non-destructive testing (including deviations in the preliminary surfacing of edges), the elimination of which is regulated by Federal rules and regulations in the field of the use of atomic energy and/or RD for the products, are documented and approved in accordance with the procedure established by Federal rules and regulations in the field of the use of atomic energy and/or RD for the products and in the procedures of the manufacturer. These documents must be presented to the authorized organization and organizations participating in the work on compliance assessment in the form of acceptance and testing of products during the inspection of the relevant control points of the quality plan. If the above-mentioned deviations are detected in the framework of compliance assessment in the form of acceptance and testing of products or their incoming inspection at a nuclear power plant, they are issued as documents of registration of non-conformances and decisions taken in accordance with the procedure established in this Procedure.

3. Non-conformances with the requirements of DED identified after machining the parts or assembly units, which are corrected by re-machining, agreed and documented in the manner prescribed in the procedures of the manufacturer.

5.9 Documents for registration of non-conformances and decisions taken are not issued if the deviation is classified as a Comment in accordance with Section 3.

5.10 Entering information in the UIS-Quality is carried out in accordance with the requirements of Appendix No. 5.

5.11 For the purpose of a graded approach to managing non-conformances, a significance is established for each non-conformance (in accordance with Appendix No. 1). The significance of non-conformance is determined on the basis of the type of violations of requirements identified in products, works, services, processes. Depending on the significance and location of non-conformance detection, appropriate amounts of work are applied to manage them (in accordance with Appendix No. 2).

5.12 The procedure for non-conformance management is provided in Appendix No. 3.

5.13 Cancellation of a non-conformance in UIS-Quality is possible after approval with PRQI and subject to absence of violation of deadlines for carrying out of actions. Non-conformance with overdue actions may be canceled with the mandatory approval of the supervisor of activity area of the organization that has revealed the non-conformance. In case of absence of connection of the head for direction of organization activities to the UIS-Quality, a scanned copy of non-conformance cancellation document signed by the head for direction of organization activities.

6 Responsibility

6.1 The Company shall be responsible for:

a) compliance with the requirements of this Procedure when carrying out / being involved in compliance assessment, manufacturing quality control, and incoming inspection at nuclear power plants;

b) organization of management of non-conformances identified during the incoming inspection of products at nuclear power plants;

c) inclusion of the requirements of this Procedure into the agreements (contracts) with Suppliers (when concluding the agreement (contract) for manufacture/delivery without the General Contractor's participation) and the General Contractor;

d) development/updating of working procedures for managing non-conformances for the development of this Procedure;

e) verification of the correct classification of non-conformances, selected corrections and corrective actions when approving the document of non-conformance registration and decisions made;

f) review and approval of procedures provided by General Contractor / Supplier (when entering into a manufacturing / delivery agreement (contract) without the participation of the General contractor) for management of non-conformances in the manufacture and incoming inspection at nuclear power plants;

g) isolation of nonconforming products, labeling and storage at NPPs (in warehouses owned by the Company);

h) making a final decision on non-conformance;

i) registration of non-conformances identified when carrying out / being involved in compliance assessment in the form of acceptance and testing, and incoming inspection at the NPP, into UIS-Quality, sending non-conformance notices to Suppliers (when concluding the agreement (contract) for manufacture/delivery without the General Contractor's participation) and the General Contractor.

6.2 The General Contractor shall be responsible for:

a) compliance with the requirements of this Procedure when carrying out / being involved in compliance assessment, manufacturing quality control, and incoming inspection at nuclear power plants;

b) inclusion of the requirements of this Procedure into the agreements (contracts) with Suppliers (when concluding the agreement (contract) for manufacture/delivery without the General Contractor's participation) and the General Contractor;

c) development/updating (taking into account the requirements of this Procedure) and implementation of procedures for managing non-conformances;

d) verification of the correctness of the classification of non-conformance, selected corrections and corrective actions when approving the non-conformance registration document and decisions made;

e) submittal for review to approve the documents for registration of non-conformances and decisions taken in the order established by this Procedure;

f) control over the completeness of providing the Company with materials and information related to the management of non-conformances identified during manufacturing and/or incoming inspection;

g) control over elimination of identified non-conformances in accordance with the decisions made and within the specified terms;

h) isolation of nonconforming products, labeling and storage at NPPs (in warehouses owned by the General Contractor);

i) registration of non-conformances identified when carrying out / being involved in compliance assessment in the form of acceptance and testing, and incoming inspection at the NPP, into UIS-Quality, sending non-conformance notices to Suppliers (when concluding the agreement (contract) for manufacture/delivery without the General Contractor's participation).

6.3 General Designer of NPP / Reactor Plant Chief Designer / developer of basic design for equipment / enterprise-developer of DED / enterprise-holder of OST/TS for products is responsible for:

a) verification of the correctness of the classification of non-conformance, selected corrections and corrective actions when approving the non-conformance registration document and decisions made;

b) making appropriate amendments to the DED (DED developer company), the basic design of the reactor plant (Reactor Plant Chief Designer), the design documentation (General Designer of the NPP);

c) registration of non-conformances identified identified when carrying out / being involved in compliance assessment in the form of acceptance and testing, and incoming inspection at the NPP, into UIS-Quality, sending a non-conformance notice to the organization that committed the non-conformance (if necessary).

6.4 The supplier shall be responsible for:

a) compliance with the requirements of this Procedure when carrying out / being involved in compliance assessment, manufacturing quality control, and incoming inspection at nuclear power plants;

b) ensuring the inclusion of requirements for products from the General Contractor or the Company, set forth in the agreements (contracts) for delivery entered into with it, into the agreements (contracts) with the manufacturers of products and their sub-suppliers;

c) development/updating (taking into account the requirements of this Procedure) and implementation of procedures for managing non-conformances;

d) verification of the correctness of the classification of non-conformance, selected corrections and corrective actions when approving the non-conformance registration document and decisions made;

e) submittal for review to approve the documents for registration of non-conformances and decisions taken in the order established by this Procedure;

f) control over the completeness of providing the Company/General Contractor with materials and information related to the management of non-conformances identified during manufacturing and/or incoming inspection;

g) control over elimination of identified non-conformances in accordance with the decisions made and within the specified terms;

h) registration of non-conformances identified when carrying out / being involved in compliance assessment in the form of acceptance and testing, and incoming inspection at the NPP, into UIS-Quality, sending a non-conformance notice to the manufacturer of the products.

6.5 The manufacturer and its sub-suppliers shall be responsible for:

a) compliance with the requirements of this Procedure during manufacture, testing of products and incoming inspection;

b) development/updating (taking into account the requirements of this Procedure) and implementation of procedures for managing non-conformances;

c) assignment of classification of non-conformance and development of appropriate corrections, ICA, corrective and preventive actions;

d) preparing the non-conformances and decisions registering documents;

e) submittal for review to approve the documents for registration of non-conformances and decisions taken in the order established by this Procedure;

f) providing the Company / General Contractor / Supplier with materials and information related to the management of non-conformances identified during manufacturing and/or tests and/or incoming inspection;

g) isolation of nonconforming products, labeling and storage;

h) elimination of identified non-conformances / comments in accordance with the decisions made and within the specified terms;

i) registration of non-conformances identified during manufacturing in the UIS-Quality.

6.6 The Authorized organization shall be responsible for:

a) registration of non-conformances identified during compliance assessment in the form of acceptance and testing, and incoming inspection at the NPP, in the UIS-Quality, sending a non-conformance notice to the organization that committed the non-conformance, in this case the Company shall be included in organizations approving the non-conformance notice;

b) verification of the correct classification of non-conformances, selected corrections, ICA and corrective actions when approving the document of non-conformance and decisions registration;

c) control over the implementation by the manufacturer of corrections, ICA, corrective and preventive actions aimed at eliminating non-conformance and the causes of its occurrence.

7 Non-conformance classification

7.1 Non-conformances specified in item 1.2, are divided into 2 (two) classes:

Class A:	- deviations from the requirements of regulatory legal acts and guidelines on safety of the Republic of Turkey; - deviations from the requirements of Federal rules and regulations in the field of the use of atomic energy and safety guides of the Russian Federation, included in the Project licensing base.
Class B	- deviations that are not a class A deviation; - deviations identified in the supporting documentation and products; - deviations identified in the manufacturing procedures for the products from the requirements of the RD for this process.

7.2 Class B non-conformances are classified according to the types corresponding to the types of non-conformances in UIS-Quality:

Type 1 (B-1) Revision	- non-conformance, the elimination of which requires improvement / alteration / repair / additional testing / control of products, the possibility of which is provided for by the applicable RD and standard procedures for this product. After the non-conformance is eliminated, the products must meet the requirements set out in the TA/TS/TR, DED, EMD and other RD specified in the TA/TS/TR, DED, EMD and/or the (technical, quality) requirements of the agreement (contract) for manufacturing and/or delivery;
Type 2 (B-2)	- non-conformances, the elimination of which requires improvement / alteration / repair / additional testing / control of products, the possibility of which is provided

Repair	for by the applicable RD for this product but requires the manufacturer to develop the additional procedures for their elimination. After the non-conformance is eliminated, the products must meet the requirements set out in the TA/TS/TR, DED, EMD and other RD specified in the TA/TS/TR, DED, EMD and/or the (technical, quality) requirements of the agreement (contract) for manufacturing and/or delivery;
Type 3 (B-3) **Accept as is**	- non-conformance, with which the products can be used for their intended purpose without completion / alteration / repair / additional testing / control. In this case, the possibility of using the product should be justified by the company that develops the DED for the products or the company that holds the OST/TS for the products (if it is not available - by the General Designer of the NPP). This justification should be presented in the document of registration of non-conformances and decisions made with reference to the relevant RD and EMD or issued in separate documents attached to it (calculations, drawings, etc.);
Type 4 (B-4) **Replace**	- non-conformance, in case of which the requirements cannot be achieved, and the products (process) must be replaced (corrected).

7.3 When working in UIS-Quality, the class and type of non-conformance in accordance with items 7.1 and 7.2 must be specified additionally when describing the non-conformance.

8 Requirements to the documents for registration of non-conformance and the decisions made;

8.1 The document for registration of non-conformance and the decisions made is issued by the company which failed to avoid a non-conformance occurrence.

8.2 The document for registration of non-conformances and the decisions made for non-conformances of Class A is a Decision. The Decision must be issued in accordance with the form specified in Appendix No. 8 and contain:

a) identification number and date of registration (assigned by the Decision developer);

b) description of products for which there is a non-conformance with the indication of product name, designation (if available), drawing designation (TA/TS/TR, GOST, etc.), taking into account the modification (version), safety class according to NP-001, equipment group according to PNAE G-7-008, seismic category according to NP-031;

c) name of the manufacturer and its sub-suppliers, supplier, end user – NPP, information on agreements (contracts) for manufacturing/delivery, identification numbers of conformity assessment documents for these products;

d) description of a non-conformance with indication of regulatory legal acts of the RT, RF, and FSR, the requirements of which were not met;

e) justification of the allowability of non-conformance;

f) corrective actions on elimination of non-conformance reasons;

g) determination of root causes of non-conformance;

h) preventing activities.

i) a decision on the possibility of using the products for their intended purpose (if necessary, specifying restrictions on their use).

8.3 A decision for products intended for use as part of components or as a component assigned safety class 1, 2, 3 or 4 as per NP-001 must be approved by the following organizations and the Company:

a) by the company that develops the DED for products or the company that holds the OST/TS for products (if it is not available - by the General Designer of the NPP);

b) the consumer of the product (if the product will be used in the further manufacture of the final product);

c) Head material science organization (in cases stipulated by the RD or at the request of the General Designer of the NPP or the Company);

d) Authorized organization (for products intended for use as part of components or as a component assigned safety class 1, 2 or 3 as per NP-001, or a safety class 4 as per NP-001 to which quality assurance category QA3 or above has been assigned);

e) Reactor Plant Chief Designer (for equipment and systems of the reactor plant) / basic design developer for equipment;

f) General Designer of the NPP (in case of deviation from the TA/TS/TR, changes in mass-dimensional and operational characteristics, changes in the location and values of the connecting dimensions, or at the request of the Company);

g) Supplier;

h) General contractor, if it is present in the supply chain of products to the NPP;

i) The Company, only after approval by the above organizations.

8.4 The order of approval, registration and safekeeping of Decisions intended for use as part of components or as a component assigned safety class 1, 2, 3 or 4 as per NP-001 is provided in Appendix No. 8.

8.5 Decisions concerning deviations from the requirements of regulatory legal acts and safety guides of the Republic of Turkey must be approved by the NRA.

8.6 The decision shall be sent for approval within 5 (five) business days from the date of detection of non-conformance at the manufacturer or from the date of receipt of the notice of non-conformance in the UIS-Quality by the enterprise that allowed the non-conformance, or the act of incoming inspection of products containing non-conformance. The Decision review period for each of the organizations and the Company specified in item 8.3, must not exceed 10 (ten) business days from the date of receipt of the document, provided that a full set of supporting documents is provided.

8.7 The Company reserves the right to extend the period of the Decision review, but not more than 5 (five) business days.

8.8 The non-conformance and decisions registration document for non-conformances B-1, B-2, B-3, B-4 is a Non-conformance report or a final non-conformance report generated automatically according to the results of any non-conformance details in the UIS-Quality, and consisting of several blocks (depending on the scope of work in Appendix No. 2) in accordance with the standard forms specified in Appendix No. 5).

8.9 Entries in the Non-conformance report must have short and clear wording, references to specific items of the RD, and avoid double interpretation.

8.10 A non-conformance report or Plan of correction and ICA, the Act on elimination (correction) of non-conformance, a corrective action plan, preventive action plan and the final non-conformance report must be approved by the following organizations (in the UIS-Quality with the

persons responsible for the quality in the following organizations) and the Company (in the UIS-Quality with the persons responsible for the quality):

a) by the company that develops the DED for products or the company that holds the OST/TS for products (if it is not available - by the General Designer of the NPP);

b) the consumer of the product (if the product will be used in the further manufacture of the final product);

c) Head material science organization (in cases stipulated by the RD or at the request of the General Designer of the NPP or the Company);

d) Authorized organization (for products intended for use as part of components or as a component assigned safety class 1, 2 or 3 as per NP-001, or a safety class 4 as per NP-001 to which quality assurance category QA3 or above has been assigned);

e) Reactor Plant Chief Designer (for equipment and systems of the reactor plant) / basic design developer for equipment;

f) General Designer of the NPP (in case of deviation from the TA/TS/TR, changes in mass-dimensional and operational characteristics, changes in the location and values of the connecting dimensions, or at the request of the Company);

g) Supplier;

h) General contractor, if it is present in the supply chain of products to the NPP;

i) The Company, only after approval by the above organizations (Class B-3 non-conformances in case of: deviations from the TA/TS/TR; changes in weight and size (only for products delivered directly to the NPP) and operational characteristics; changes in the location and values of connecting dimensions for products delivered directly to the NPP. Non-conformances of classes B-1, B-2, and B-3 identified by the Company's employees during the production process and during the incoming inspection of products at the NPP).

8.11 During presentation (including recurrent) in quality plan check-points or repeated incoming inspection at the NPP, the following must be provided:

– Decision - for Class A non-conformances (for deviations from requirements of regulatory legal acts and safety guides of the RT, an NRA approval document must be attached);

– Non-conformance report or Plan of correction and ICA and non-conformance elimination (correction) certificate - for non-conformances of class B type 1 and type 2;

– Non-conformance report or Plan of correction and ICA - for non-conformances of class B type 3.

Carrying out of repeated inspection by the Authorized organization and organizations involved in compliance assessment of a corresponding quality plan check point or carrying out repeated incoming inspection at the NPP without presenting an approved Decision (for deviations from requirements of regulatory legal acts and safety guides of the RT, an NRA approval document must be attached) or Non-conformance report or Plan of correction and ICA and Non-conformance elimination (correction) report is not allowed.

8.12 The manufacturer of the product and its sub-suppliers should ensure the storage of non-conformance registration documents and decisions made during the service life of the manufactured product. Registered copies of Decisions and Reports on non-conformances and/or Final non-conformance reports must be included into supporting documentation in Russian and English or in a bilingual Russian and English version, or executed in Russian are delivered to the Company with translation into English, certified by the General Contractor / Supplier (in case of direct agreement (contract) with the Company).

8.13 The manufacturing company and its sub-suppliers must, within 10 (ten) business days from the beginning of the month, provide submission of the list of identified non-conformances to the Supplier / General contractor / Company for the previous month, in the form of Appendix No. 9.

9 Requirements for organizing a system analysis of identified non-conformances in order to develop and conduct preventive actions

9.1 Enterprises that have committed non-conformances must carry out continuous activities for the systematic analysis of identified non-conformances (with a frequency specified by the company's procedural documents), including processing information about:

a) structure and classification of detected non-conformances;

b) statistics of non-conformances identified (by processes, products, etc.);

c) causes for non-conformances;

d) efficiency of the methods and techniques for identifying and removing non-conformances, including the evaluation of non-conformances management processes.

9.2 The result of a systematic analysis of non-conformances is determination of the root causes of the identified non-conformances and repeated corrective actions (if the corrective actions carried out were unsuccessful), development and conducting of preventive actions aimed at preventing the occurrence of repeated non-conformances.

9.3 As part of the system analysis of non-conformances management, the Company has the right to request from the General Contractor / Supplier / Authorized organization / Manufacturer the Non-conformances reports issued for products supplied to NPP to review them for:

a) the correct classification of non-conformances;

b) correct selection of corrective and preventive actions;

c) confirmation of correction.

In case of detection of comments to the non-conformance reports, the manufacturer is obliged to make appropriate amendments to the non-conformance reports and obtain approval in accordance with the order established by this Procedure.

Appendix No. 1
(required)

Determining the significance of a non-conformance[1]

Recurrence	Non-conformance was detected in products assigned to safety classes 1, 2, 3 according to NP-001	Impact of uncorrected non-conformance on functional capability / operation of products	Impact on the schedule of delivery of products by the contractor under an agreement (contract)[2]	Impact on the cost of products under an agreement/contract	Significance of non-conformance
Recurring	Yes	Affects	Affects	Affects	Critical
				No influence	
			No influence	Affects	
				No influence	
		No influence	Affects	Affects	
				No influence	Major
			No influence	Affects	
				No influence	Minor
	None	Affects	Affects	Affects	Critical
				No influence	
			No influence	Affects	
				No influence	Major
		No influence	Affects	Affects	Critical
				No influence	Major
			No influence	Affects	
				No influence	Minor
Single	Yes	Affects	Affects	Affects	Critical
				No influence	
			No influence	Affects	
				No influence	Major
		No influence	Affects	Affects	
				No influence	
			No influence	Affects	

[1] In accordance with the requirements of the agreement non-conformance significance may be increased.
[2] Including delay of delivery or key events of "Work Implementation Stage" or "Manufacturing Control Point" for equipment.

				No influence	Minor
	None	Affects	Affects	Affects	Critical
				No influence	Major
			No influence	Affects	
				No influence	Minor
		No influence	Affects	Affects	Major
				No influence	
			No influence	Affects	
				No influence	Minor

Notes:

1. By determining the impact of non-conformance on the product functional capability / operation it is required to assume the possibility of the use of product or process with non-conformance for the intended purpose without modification / repair / additional tests / control etc. The impact on functional capability is determined as follows: class A, B1, B2, B4 – impacts, class B3 – does not impact.

2. The impact on the schedule of product delivery by the General Contractor/Supplier/Manufacturer under the agreement (contract) shall be determined as the impact of scheduled date of corrective actions on the meeting the product delivery dates established in the specified schedule. The value "Impacts" must be specified if the non-conformance is revealed after the Customer's acceptance of products under the agreement/contract.

3. Impact on the product cost under the agreement/contract shall be defined as the exceeding of the established threshold value by the ratio of the cost of correction and ICA to the product cost under the agreement/contract where the non-conformance was identified. Threshold value - 0.2 The cost of correction and ICA shall be defined as the sum of costs incurred by General Contractor/Supplier/Manufacturer following corrective actions calculated depending on the specifics of the organization's activity in compliance with the requirements of the Unified industry methodical guidelines for costs calculation provided by the non-conformance of products with the specified requirements. The change of the specified amount of costs conditioned by their partial or full reimbursement/compensation in the established order is not taken into account in determining the impact on the sum of works under the contractor's agreement/contract and does not impact the determination of non-conformance significance.

4. After the 3 (third) recurrence of non-conformance in respect of which a CA was implemented, the UIS-Quality system automatically generate a notice on failure to eliminate the root cause of the non-conformance, which is transferred to EDMS (via e-mail for organizations not operating within EDMS) to the head of organization and to the personnel service for assessment of implementation of necessary enforcement action in respect of employees involved in preparation of CA (* after implementation of corresponding improvements to EDMS).*

Appendix No. 2
(required)

Determination of scope of work for managing non-conformance depending on significance

		Significance of non-conformance		
		Minor	Major	Critical
Identified	At the customer **	Correction + ICA + CA (items 1 - 13, 16)*	Correction + ICA + CA + PA (items 1 - 16)*	Correction + ICA + CA + PA (items 1 - 16)*
	In production/operational process	Correction + ICA (items 1 - 10, 16)*	Correction + ICA + CA (items 1 - 13, 16)*	Correction + ICA + CA + PA (items 1 - 16)*

** the line numbers of Appendix No. 3 are specified in brackets.*

*** In case of identification by the NRA, Company, Authorized organization, Customer; employee of organization carrying out control over implementation of obligatory requirements; employee of organization establishing requirements to management systems; employee of the Supplier during or after acceptance of products.*

Appendix No. 3
(required)

Procedure for non-conformance management[3]

No.	Stage	Result	Implementation period (business days), not more than[4]	Participants and their roles[5]	Comment to the stage[6]
1	Non-conformance notice[7]	The exposing organization forwarded a non-conformance notice to the breaching organization / structural unit of the organization that has committed the non-conformance[8] (if this is its supplier), continue from item 2.1 **or** The exposing organization forwarded a non-conformance notice to its customer (if the exposing organization has no contractual relations with the organization in breach) to forward the non-conformance notice to its breaching supplier, continue from item 2.2 **or**	1 after identification of non-conformance or 1[9] after obtaining an official non-conformance notice	**Responsible person:** an employee of the organization having information on non-conformance **Participants:** immediate supervisor, PRQI	Notice of an immediate supervisor about a detected non-conformance, preparation and sending of the notice in accordance with Appendix No. 5. It is allowed to include into the non-conformance notice approval sheet representatives of other organizations in accordance with contract relations, common LRAs and other arrangements.

[3] The scope of works on non-conformances management is defined depending on the significance of non-conformances considering Appendix No. 2.
[4] These deadlines are targeted and may be changed by agreement with the customer or PRQI. The time for approval of documents is included in the total period for each stage.
[5] Comparison of the process roles and the roles in UIS-Quality system is provided in Appendix No. 7.
[6] The non-conformance is canceled as a result of the decision of team members and must be agreed with the PRQI The canceled non-conformance is not taken into account in the calculation of indicators, including when calculating key performance indicators.
[7] In case of identification of a non-conformance within the organization, its employee, holding the information on the non-conformance, shall forward the non-conformance notice to the Officer responsible for quality.
[8] It is possible to send a non-conformance notice directly from the identifying organization to the address of ultimate known performer of the work / manufacturer of products, with obligatory specification of the whole contract chain (specification of agreements between all organizations in the chain) and approval by organizations in the chain.
[9] After the expiry of appeal period established by law.

		A notice of non-conformance within the organization has been sent by the organization identifying the non-conformance (if the non-conformance was committed within the processes of the organization itself), continue from item 4.			
2.1	Consideration of non-conformance notice by the organization that has committed the non-conformance	Review of the non-conformance notice, initiation of work on it by an organization that has committed the non-conformance, continue from item 4 **or** Rejection with comments (request for clarification of information, substantiation of the absence of the fact of non-conformance or the absence of responsibility for the occurrence of non-conformance) (continue from item 3). **or** Redirection of the non-conformance notice to another PRQC from its own organization, continue from item 4.	2 days, but no more than 5[10] days (after item 1). If the specified Review Period is exceeded by more than 5 business days, the notice is considered accepted	**Responsible person:** PRQC **Participants:** employees determined by PRQC	RQOA's decision on acceptance/rejection/redirection of the non-conformance notice must be based on objective facts or conclusions of those heads and experts whose areas of responsibilities are connected with the non-conformance. If necessary, the functions of PRQI shall be delegated to another employee of the organization in accordance with LRA of the organization. Upon receipt of the non-conformance notice to initiate the work on it, the organization assumes responsibility for elimination of the non-conformance to its contractual counterparty (customer/buyer) subject to the terms of the concluded agreement.
2.2	Consideration of non-conformance notice by the customer	Review by the Customer of the non-conformance notice, sending the non-conformance notice to an organization that has committed the non-conformance, continue from item 2.1	3 (after item 1)	**Responsible person:** PRQI (of the customer) **Participants:** employees designated by PRQI (of the customer)	If necessary, the functions of PRQI can be delegated to another employee of the organization in accordance with LRA of the organization.

[10] For cases where a representative of an organization that has committed a non-conformance is called for in-person review of the non-conformance (if there is such a condition in the agreement concluded with this organization), the period for accepting the notice shall be no more than 10 business days.

		or Rejection with comments (request for clarification of information, substantiation of the absence of the fact of the non-conformance), continue from item 3.			
3	Review of comments regarding rejection of non-conformance notice	Based on the results of consideration of comments on rejection of non-conformance notice: additional information is sent, continue from item 2.1 or 2.2 **or** Non-conformance notice is canceled. **or** Non-conformance notice is sent to another organization, continue from item 2.1.	2 (after item 2.1 or 2.2)	**Responsible person:** PRQI **Participants:** employees determined by RQI	PRQI shall review comments and make a decision on provision of additional information about the non-conformance, sending the notice to another organization or cancellation of the notice (if the fact of non-conformance is not confirmed).
4	Formation of a Team	PRQC appointed the Team Leader in accordance with the established procedure in the organization, the Team Leader or PRQI formed the Team in accordance with the procedure established in the organization.	2 (after item 2.1)	**Responsible person:** PRQC **Participants:** Leader and Team members, PRQI	The Team shall be formed considering the specificity of non-conformance. Representatives of other organizations may be involved in work in the Team[11] as team members or as persons approving the team work results, by agreement with their immediate supervisor[12], in accordance with contractual relations, joint LRAs and other arrangements. If necessary, the composition of the Team is corrected at subsequent stages of work with non-conformance. The Team Leader functions are

[11] As part of implementation of KPI, the Corporation Quality management employees may be automatically added to the team for non-conformances involving 3 and more organizations of the Corporation.
[12] The employee coordinates his/her participation in the Team with his immediate supervisor in the ordinary course of business.

					determined and delegated within the organization according to its LRA.
5	Clarification and/or expanding of description of non-conformance	All the required information for further work on non-conformance has been defined.	2 (after item 4)	**Responsible person:** Leader **Participants:** Team members	Clarification and, when necessary, expanding upon the description of non-conformance[13], involvement of suppliers/sub-suppliers in the work on non-conformance, who have committed the non-conformance and who are in contractual relations with the organization that has initiated the work on the non-conformance notification received from the Customer, when necessary.
6	Planning correction and ICA	The necessary measures for correction and ICA, employees responsible for implementation thereof and deadlines of implementation are determined.	5 (after item 5)	**Responsible person:** Leader **Participants:** Team members, PRQI	Determination of the cause of non-conformance and the list of actions for correction and ICA, determination/elaboration of the method of elimination of the non-conformance subject to requirements of section 7. ICAs include: exercising the additional control; checking balances; sorting; testing of products in transit; informing related departments, the customer, etc. It is allowed to add new actions, cancel actions, change the effective term of correction and ICA at any time before the completion of actions on non-conformance elimination.
7	Assessing the significance of non-conformance and the amount of work on the non-conformance	The significance of non-conformance and the scope of work for managing the non-conformance have been defined, a Non-conformance Report has been agreed upon as regards to the	2 (after item 6)	**Responsible person:** PRQC **Participants:** Leader, Team members, PRQI	The significance of non-conformance is determined by the Leader subject to requirements of Appendix No. 1 (impact on the working schedule, functional capability / operation, recurrence), the scope of works on managing non-

[13] The Team analyzes information related to possible design flaws in the product.

	management	description of non-conformance, an action plan for correction and ICA (in UIS-Quality – Correction and ICA Plan).			conformances is defined subject to requirements of Appendix No. 2. The Non-conformance report in the part concerning the description of non-conformance, action plan for correction and ICA (in UIS-Quality - Correction and ICA Plan) shall be formalized by the Leader in accordance with recommendations of Appendix No. 6, agreed with the Team and signed by the PRQC and PRQI.
8	Implementation of correction and ICA	Documents confirming the implementation of actions for correction and ICA prepared in accordance with the procedure established in the organization in the course of implementation of actions.	In accordance with the deadlines established in the Correction and ICA plan	**Responsible person:** workers responsible for the implementation of measures for correction and ICA **Participants:** Leader	Implementation of measures for correction and ICA. Implementation by the Leader of monitoring the implementation of measures within the established time limits.
9	Determination of the amount of costs incurred by the organization as a result of elimination of non-conformance, clarification of the significance of non-conformance	The document containing the information on the incurred financial expenses for the elimination of non-conformance, information on clarification of the significance of non-conformance.	2 (after item 8)	**Responsible person:** Leader **Participants:** persons appointed in the order established by an organization to determine the amount of expenses incurred by an organization in the result of eliminating the non-conformance	Clarification of significance in accordance with requirements of Appendix No. 1 (subject to criterion "Impact on the cost of works under contract / the contractor's contract") and of the scope of work on managing non-conformance in accordance with the requirements of Appendix No. 2. When expanding the scope of works on managing non-conformance, the relevant additional stages shall be performed in accordance with Appendix No. 2. The amount of costs is determined in accordance with the procedure established in the organization, taking into account the requirements of the Unified industry

					guidelines for calculating costs caused by non-conformance of products with the established requirements.
10 CP	Monitoring the implementation of corrective actions	The implementation of all actions for correction was confirmed, the implementation of the correction action plan was approved in the Non-conformance Report, and the Non-conformance Elimination Certificate was agreed.	1 (after item 9) When the established term for review and signing of the non-conformance elimination certificate is exceeded, a notice is sent to the PRQI. Upon expiration of 5 days, the results of implementation of corrective actions shall be deemed accepted by the PRQI.	**Responsible person:** PRQC **Participants:** Leader, Team members, PRQI	The Report on Elimination of non-conformance shall be executed by the Leader in accordance with the requirements of Appendix No. 5, agreed by the Team and signed by PRQC and PRQI. Scope of control - complete control method. The evidence of control: implementation of corrective actions has been agreed, the Non-conformance Elimination Certificate has been approved. Failure to provide a non-conformance elimination report for signing by PRQI within the time limit established by the agreement, shall be grounds for preparation of legal documents and conducting claims-related work.
11	Determination of non-conformance root causes	The root causes of non-conformance are determined.	5 (after item 7) upon agreement with the customer, the term may be changed subject to non-violation of the terms and conditions of the agreement	**Responsible person:** Leader **Participants:** Team members, PRQI	Determination and analysis of the root causes of identified non-conformances. Determining the causes of the failure to detect non-conformance at previous stages, classification of core reasons considering Appendix No. 4. To determine root causes quality instruments should be used, such as Ishikawa diagram, 5 Whys method, etc.
12	Development of CA, analysis of the causes of non-effectiveness	A list of CA as well as those responsible for the implementation and deadlines are determined, the Non-Conformance Report has been	5 (after item 11) (including 1 for approval and 1 for signing)	**Responsible person:** PRQC **Participants:** Leader, Team members, PRQI	Development of actions aimed at elimination of the root causes of the non-conformance. When a re-occurring non-conformance

	of previously implemented CA (if the non-conformance is repeated and the CAs on the previously identified non-conformances were implemented)	agreed as regards the development of the CA (in UIS-Quality – the Corrective Actions Plan).			has been detected, it shall be concluded in terms of the previously detected non-conformance (for which the re-occurrence was determined), that corrective measures were not sufficiently effective. Corrective actions for repeated non-conformance are developed taking into account the fact that the corrective actions taken for the previously identified non-conformance were not effective. The Non-Conformance Report so far as it relates to the development of CA (in UIS-Quality – the Corrective Measures Plan), shall be issued by the Leader in accordance with the requirements of Appendix No. 5, agreed with the Team, and signed by PRQC and PRQI. Failure to provide the CA plan within the time period established by the agreement, for cases where the organization does not fall under the terms of the procurement rules, taking into account the elimination of the root causes of non-conformances, is the basis for preparation of legal documents and conducting claims-related work. In order to prevent the risks of violation of corrective measure deadlines, interim actions with intervals between their deadlines must be provided for: 6 months - for non-conformances for which the total duration of the term of actions, according to the plan exceeds 1 year; 2 months - for non-conformances for

					which the total duration of actions term, according to the plan, is more than 6 months, but less than 1 year; the interval is not regulated for non-conformances, for which the total duration of actions term, according to the plan, is 6 months and less. It is allowed to add new actions, cancel actions, change the CA term at any time before the completion of actions on non-conformance elimination (signing of the final report). For critical and significant non-conformances with a non-conformance elimination period of more than 180 days, the generated actions shall be coordinated with the executives of organizations that exercise the quality management functions and are included in the Team.
13	Implementation of CA	Documents confirming the implementation of measures for CA issued in accordance with the procedure established in the organization as the measures move forward.	In accordance with the terms specified in the Corrective Actions Plan	**Responsible person:** employees responsible for the implementation of CA measures **Participants:** Leader, PRQI	Implementation of CA measures. Control over the implementation of actions within the established terms is carried out by the Leader, PRQC, PRQI. An interim report on the implementation of CA is formed by the Leader and signed by PRQI and PRQC. The customer under a contract with the organization that has committed a non-conformance, shall accept the implementation of each CA in UIS-Quality system.
14	Development of Preventive Actions	A list of PA is determined, as well as those responsible for the implementation and deadlines, the Non-Conformance Report was	6 (after item 11) (including 1 for approval and 1 for signing)	**Responsible person:** PRQC **Participants:** Leader and Team members	Development of actions aimed at preventing the occurrence of non-conformances in other products, areas, sites, processes, organizations, works,

		agreed so far as it relates to development of PA (in UIS-Quality – the Preventive Measures Plan).			services, etc. Determination of responsible persons and time limits for actions. A non-conformance report as regards to the development of PA (in UIS-Quality - preventive action plan) shall be prepared by the Leader in accordance with the requirements of Appendix No. 5, agreed by the Team and signed by the PRQC. In order to prevent the risks of violation of corrective measure deadlines, interim actions with intervals between their deadlines must be provided for: 6 months - for non-conformances for which the total duration of the term of actions, according to the plan exceeds 1 year; 2 months - for non-conformances for which the total duration of term of actions, according to the plan, is more than 6 months, but less than 1 year; the interval is not regulated for non-conformances, for which the total duration of actions term, according to the plan, is 6 months and less. It is allowed to add new actions, cancel actions, change the PA term at any time before the completion of actions on non-conformance elimination (signing of the final report).
15	Implementation of PA	Documents confirming the implementation of measures for PA issued in accordance with the procedure established in the organization in the course of	In accordance with the deadlines specified in the PA plan	**Responsible person:** employees responsible for the implementation of PA measures **Participants:** Leader,	Implementation of PA measures. Control over the implementation of actions within the established terms is carried out by the Leader, PRQC. An interim report on the implementation

		implementation of the measures.		PRQC	of PA is formed by the Leader and signed by the RQC. The customer, under an agreement with the organization that has committed a non-conformance, shall accept the implementation of each PA in the UIS-Quality system.
16 CP	Control over the implementation of measures for ICA, CA, PA. Formalization of conclusions	The implementation of the measures on ICA, CA and PA is confirmed, the closure on the Non-conformance Report has been agreed as regards to the implementation of CA and PA (in UIS-Quality - Final Non-conformance Report has been agreed and approved).	3 (after item 10, 13 or 15, depending on the scope of work with non-conformance) (including 1 for approval and 1 for signing)	**Responsible person:** PRQC **Participants:** Leader and Team members	Non-conformance report (in UIS-Quality - Final non-conformance report shall be prepared by the Leader in accordance with the requirements of Appendix 5), agreed with the Team and signed by PRQC and PRQI[14]. Scope of control – complete. The evidence of control - Non-conformance report (in UIS-Quality - Final non-conformance report), Non-conformance report contains all information on non-conformance, entries on fulfillment of all measures on correction, ICA, CA and PA.

[14] For PA, does not require signing by PRQI.

Appendix No. 4
(required)

Classification of root causes of non-conformances

1 The first level of the root causes types (uniform for all organizations) shall include the following types:

a) Documentation (design, detailed, engineering, etc.) - factors related to the placement / transfer, design, encoding, links to documents, spelling/vocabulary, translation, incorrect changes, information discrepancy between paper and electronic versions, technical/estimate parts of the documentation, incorrect application of the established requirements, errors in configuration, checking and aproval of documentation.

b) Equipment (machines) - factors related to characteristics and condition of equipment used in the product manufacturing process including supporting documents.

c) Personnel (man) - factors related to violation of the process/work execution procedure by personnel including the control operations procedure.

d) Control (management) - factors related to general organization of the process/work, planning, management/training of personnel, organizational changes.

e) Methods/technology - factors associated with errors in process/adjustment/operational documentation, technology of implementation of work/production/adjustment/operation[15], used control methods or absence thereof, IT-systems.

f) Material, raw material, components - factors related to the properties of raw material, materials or components used for product manufacture.

g) Environment - factors related to negative impact of the environment on the product manufacturing process.

2 The second level of the root causes types (individual for each organization) shall be formed by an organization and adjusted in UIS-Quality by its local administrator depending on specific character of the organization's activity.

[15] Production technology: methods, techniques and sequence of manufacturing products or performing construction, installation and other types of works ensuring the rational use of all resources (materials, machines, energy, labor costs, etc.).

Appendix No. 5
(required)

Requirements to the composition of unified forms of documents on the non-conformances and the composition of the information registered in them.

1 The set of unified forms for each subject of non-conformance to be filled in UIS-Quality includes:

a) Non-conformance notice (item 3.1 of Appendix No. 5);
b) Correction and ICA plan (item 3.2 of Appendix No. 5);
c) Non-conformance elimination certificate (item 3.3 of Appendix No. 5);
d) Corrective actions plan (item 3.4 of Appendix No. 5);
e) Preventive actions plan (item 3.5 of Appendix No. 5);
f) Final non-conformance report (item 3.6 of Appendix No. 5).

When completing a unified form "Correction and ICA Plan" in UIS-Quality, the information in the similar fields in the other parts of the non-conformance report shall be filled out by the specified system automatically.

2 Information specified in unified forms shall enable acquisition and analysis of data on identified non-conformances of products at all stages of their life cycle.

Composition of information to be specified in the section of forms "Description of non-conformance subject" is given in item 4 of Appendix No. 5.

In the field of forms "No. _____ dated _____", the number is to be specified according to the codification system used in the Akkuyu NPP construction project.

3 Unified forms

3.1 Non-conformance notification form

Identified non-conformance notice[16]

No. _____ dated _____

Subject of non-conformance:

Project: *details and name of the contract and, if applicable, the name of the project, in the process of implementation of which the product non-conformance was identified, for NF construction projects the name of the NF shall be specified*

Site/facility: *place of identification of non-conformance (geographically), for example, the address of the site of NF under construction, power unit number (applicable for NPP), address and name of manufacturer, etc.*

Information on identification	
Identifying organization:	*name of organization that identified the non-conformance*
Stage of identification	*products life-cycle stage/substage at which its non-conformance was identified, for example, construction and assembly work, commissioning, etc.*
Control action	*control action name following which the non-conformance was identified*
Organization that has committed non-conformance	*name of the organization that has committed non-conformance (to be specified on the basis of information received in specific circumstances related to specific non-conformance)*
Primary registration document	*The details of the document, in which the non-conformance was initially documented (if any), for example, an entry in the General Work Logbook, etc.*
Primary registration	*the date of identification in accordance with the non-conformance*

[16] Comments on filling in the form fields are presented in italics.

date	*primary registration document shall be specified*
Description of the non-conformance item	
(see item 4 of Appendix No. 5)	
Non-conformance description	
Type of non-conformance	*to be specified in accordance with the non-conformance types classifier (see item 5 of Appendix No. 5)*
Non-conformance description	*a detailed description of non-conformance as well as other information that is missing in the remaining fields of the form and is required for the analysis of non-conformance and decision-making with respect thereto, the proposals on correction and ICA, if any, shall be specified;* *the description of non-conformance must not allow different interpretations;* *in the case of a large volume of text, a detailed description of all identified deviations from the established requirements within the framework of one identified subject of non-conformance may be indicated in the attachment*
Requirements violated	*the details and the name of document, the requirements of which were violated, are to be specified, along with the number of section/ paragraph/ page, where the violated requirements are established*
Date and place of calling counterparty	*information shall be provided about the need for arrival and the date of arrival of the representative of supplier to the place of non-conformance identification*
Note	

	Subdivision	Position	Full name	Signature, date
Non-conformance was registered by:				
Non-conformance was identified by:				

Scope of works

Recurrence	Scope of works

Recurring non-conformances

Recurring non-conformances

Notice approval

Organization	Subdivision	Position	Full name

Enclosures

No.	Name

3.2 Approval of the Correction and ICA plan

Correction and ICA Plan[17]

[17] Comments on filling in the form fields are presented in italics.

No. _____ dated _____

Subject of non-conformance:

Project: *name of the project, in the process of implementation of which the product non-conformance (if any) has been identified, for NF construction projects the name of the NF shall be specified*

Site/facility: *place of identification of non-conformance (geographically), for example, the address of the site of NF under construction, power unit number (applicable for NPP), address and name of manufacturer, etc.*

Non-conformance notice

Non-conformance notice registration No. and date	*details of the document, in which the non-conformance (if any) was initially recorded, along with the number and date of the non-conformance notice*
Identifying organization, business unit	*name of organization and department that has identified the non-conformance*
Identifying person	*position and full name of the employee who identified the Non-conformance in accordance with the notice*
Non-conformance identification stage	*products life-cycle stage/substage at which its non-conformance was identified, for example, construction and assembly work, commissioning, etc.*
Control action	*control action name following which the non-conformance was identified*

Team[18]

Role[19]	Organization/subdivision	Position	Full name

Organizations to which notices have been sent[20]

Organization	Agreement/contract	The person responsible for quality in the organization that committed a non-conformance

Description

Description of the non-conformance item	
(see item 4 of Appendix No. 5)	
Non-conformance description	
Type of non-conformance	*to be specified in accordance with the non-conformance types classifier (see item 5 of Appendix No. 5)*
Non-conformance	*a detailed description of non-conformance as well as other information*

[18] The persons included in the Team shall be specified.
[19] The employee's role in the process of non-conformance management: PRQI, PRQC, Leader, Team member, approver.
[20] The organization that has committed the non-conformance, and its PRQC, as well as the names of its suppliers that have committed the non-conformance and engaged in contractual relations with the above organization, and their PRQCs shall be specified, if applicable.

description	*that is missing in the remaining fields of the form and is required for the analysis of non-conformance and decision-making with respect thereto, the proposals on correction and ICA, if any, shall be specified;* *the description of non-conformance must not allow different interpretations;* *if necessary, the information can be extended/updated compared to one specified in the non-conformance notice (the exposing party must participate in approval of the Corrective Actions Plan and ICA).*
Requirements that have been violated	*the details and the name of document, the requirements of which were violated, are to be specified, along with the number of section/ paragraph/ page, where the violated requirements are established*

Analysis of significance of non-conformance

Elimination method[21]	Impact on the schedule [22]	Impact on functional capability / operation[23]	Recurrence[24]	Safety class	Significance[25]	Scope of works[26]

Correction and interim containment actions

No.	Correction[27] / ICA	Action	Organization	Responsible person	Target Due Date
	"correction" for action to correct non-conformance and "ICA" for measures on ICA shall be indicated	*measure description*	*organization responsible for implementation*	*employee responsible for implementation of the action*	

Approval of the Correction and ICA plan[28]

Organization	Subdivision	Full name	Position	Signature, date

Enclosures

No.	Name	Number of sheets

3.3 Non-conformance Elimination Report Form

Non-conformance elimination (correction) report[29]

No. _____ dated _____

Subject of non-conformance:

Project: *name of the project, in the process of implementation of which the product non-conformance (if any) has been identified, for NF construction projects the name of the NF shall be specified*

Site/facility: *place of identification of non-conformance (geographically), for*

[21] Non-conformance class and type (if any) shall be specified in accordance with Section 7.
[22] To be specified in accordance with Appendix No. 2.
[23] Shall be determined and completed automatically depending on the method of elimination.
[24] If the non-conformance is defined as recurrent, the registration numbers of non-conformances, based on which the recurrence was determined, shall be specified.
[25] To be specified in accordance with Appendix No. 1.
[26] To be specified in accordance with Appendix No. 2.
[27] Non-conformance elimination certificate shall be drawn-up after carrying out of correction action.
[28] The persons who have approved the information in Correction and ICA Plan shall be specified.
[29] Comments on filling in the form fields are presented in italics.

	example, the address of the site of NF under construction, power unit number (applicable for NPP), address and name of manufacturer, etc.
Elimination date:	*the date of implementation of all corrective measures shall be specified*

Non-conformance description

Description of the non-conformance item	
(see item 4 of Appendix No. 5)	
Non-conformance description	
Type of non-conformance	*to be specified in accordance with the non-conformance types classifier (see item 5 of Appendix No. 5)*
Non-conformance description	*description in accordance with the Correction and ICA Plan shall be specified*
Requirements that have been violated	*the details and the name of document, the requirements of which were violated, are to be specified, along with the number of section/ paragraph/ page, where the violated requirements are established*

Actions on correction (elimination of non-conformances)

No.	Action	Organization	Responsible person	Target Due Date
	(description of action)	*(organization responsible for implementation)*	*(responsible person from the organization)*	

Coordination of Correction action plan[30]

Organization	Subdivision	Full name	Position

Correction action completion report

No.	Action	Report	Actual Date
		brief description of the actions taken and decisions made, comments	

Clarification of significance of non-conformance

Impact on the cost of products under an agreement/contract[31]	Significance	Scope of works[32]

Approval of the clarified significance[33]

Subdivision	Full name	Position	Signature, date

Coordination and approval of the correction report
NON-CONFORMANCE HAS BEEN ELIMINATED

Organization, business unit	Position	Full name	Signature, date

[30] Indicate the persons who have approved the information in Correction and ICA Plan.
[31] The amount (in accordance with the Unified industry guidelines for calculating costs due to non-conformance of products with the established requirements) and the impact in accordance with Appendix No. 2.
[32] To be specified in accordance with Appendix No. 2.
[33] Coordination shall be exercised within the organization that has committed a non-conformance according to the procedure established in the organization.

Enclosures

No.	Name	Number of sheets

3.4 Form for the Plan of Corrective Actions

Corrective Action Plan[34]
No. _____ dated _____

Subject of non-conformance:

Project: *details and name of the contract and, if applicable, the name of the project, in the process of implementation of which the product non-conformance was identified, for NF construction projects the name of the NF shall be specified*

Site/facility: *place of identification of non-conformance (geographically), for example, the address of the site of NF under construction, power unit number (applicable for NPP), address and name of manufacturer, etc.*

Non-conformance notice

Non-conformance notice registration No. and date	*details of the document, in which the non-conformance (if any) was initially recorded, along with the number and date of the non-conformance notice*
Identifying organization, business unit	*name of organization and department that has identified the non-conformance*
Identifying person	*position and full name of the employee who identified the Non-conformance in accordance with the notice*
Non-conformance identification stage	*products life-cycle stage/substage at which its non-conformance was identified, for example, construction and assembly work, commissioning, etc.*
Control action	*control action name following which the non-conformance was identified*

Team[35]

Role[36]	Organization/subdivision	Position	Full name

Organizations to which notices have been sent[37]

Organization	Agreement/contract	The person responsible for quality in the organization that committed a non-conformance

Description

Description of the non-conformance item	
(see item 4 of Appendix No. 5)	

[34] Comments on filling in the form fields are presented in italics.
[35] The persons included in the Team shall be specified. Composition of the Team may be expanded/modified at subsequent stages of the process implementation.
[36] The employee's role in the process of non-conformance management: PRQI, PRQC, Leader, Team member, approver.
[37] The organization that has committed the non-conformance and its PRQC, as well as the names of its suppliers that have committed the non-conformance and are engaged in contractual relations with the above organization, and their PRQCs shall be specified, if applicable.

Non-conformance description	
Type of non-conformance	*to be specified in accordance with the non-conformance types classifier (see item 5 of Appendix No. 5)*
Non-conformance description	*description in accordance with the Correction and ICA Plan shall be specified*
Requirements that have been violated	*the details and the name of document, the requirements of which were violated, are to be specified, along with the number of section/ paragraph/ page, where the violated requirements are established*

Analysis of the causes of non-conformance

The cause for non-detection at the previous stages of product manufacture	*to be specified if the non-conformance could have been identified at the previous stages of product manufacture*

Root causes of occurrence:	
Type of cause	Description
in accordance with Appendix No. 4	

Development of corrective actions

No.	Root cause	Actions	Organization, business unit	Responsible person	Target Due Date

Coordination of the Corrective Action Plan

No.	Organization, business unit	Position	Full name	Signature, date

Enclosures

No.	Name	Number of sheets

3.5 Coordination of Preventive actions plan

Corrective Actions Plan[38]
No. _____ dated _____

Subject of non-conformance:

Project: *details and name of the contract and, if applicable, the name of the project, in the process of implementation of which the product non-conformance was identified, for NF construction projects the name of the NF shall be specified*

Site/facility: *place of identification of non-conformance (geographically), for example, the address of the site of NF under construction, power unit number (applicable for NPP), address and name of manufacturer, etc.*

Non-conformance notice

Non-conformance notice registration No. and date	*details of the document, in which the non-conformance (if any) was initially recorded, along with the number and date of the non-conformance notice*
Identifying organization, business	*name of organization and department that has identified the non-conformance*

[38] Comments on filling in the form fields are presented in italics.

unit	
Identifying person	*position and full name of the employee who identified the Non-conformance in accordance with the notice*
Non-conformance identification stage	*products life-cycle stage/substage at which its non-conformance was identified, for example, construction and assembly work, commissioning, etc.*
Control action	*control action name following which the non-conformance was identified*

Team[39]

Role[40]	Organization/Subdivision	Position	Full name

Organizations to which notices have been sent[41]

Organization	Agreement/contract	The person responsible for quality in the organization that committed a non-conformance

Description

Description of the non-conformance item	
(see item 4 of Appendix No. 5)	
Non-conformance description	
Type of non-conformance	*to be specified in accordance with the non-conformance types classifier (see item 5 of Appendix No. 5)*
Non-conformance description	*description in accordance with the Correction and ICA Plan shall be specified*
Requirements that have been violated	*the details and the name of document, the requirements of which were violated, are to be specified, along with the number of section/ paragraph/ page, where the violated requirements are established*

Analysis of the causes of non-conformance

The cause for non-detection at the previous stages of product manufacture	*to be specified if the non-conformance could have been identified at the previous stages of product manufacture*

Root causes of occurrence:	
Type of cause	Description
in accordance with Appendix No. 4	

Development of preventive actions

No.	Actions	Organization, business unit	Responsible person	Target Due Date

[39] The persons included in the Team shall be specified. Composition of the Team may be expanded/modified at subsequent stages of the process implementation.
[40] The employee's role in the process of non-conformance management: PRQI, PRQC, Leader, Team member, approver.
[41] The organization that has committed the non-conformance and its PRQC, as well as the names of its suppliers that have committed the non-conformance and are engaged in contractual relations with the above organization, and their PRQCs shall be specified, if applicable.

Coordination of Preventive actions plan

No.	Organization, business unit	Full name	Position	Signature, date

Enclosures

No.	Name	Number of sheets

3.6 Form of Final or Interim Non-conformance Report

Final[42] Non-conformance Report[43]
No. _____ dated _____

Subject of non-conformance:

Project: *details and name of the contract and, if applicable, the name of the project, in the process of implementation of which the product non-conformance was identified, for NF construction projects the name of the NF shall be specified*

Site/facility: *place of identification of non-conformance (geographically), for example, the address of the site of NF under construction, power unit number (applicable for NPP), address and name of manufacturer, etc.*

Non-conformance notice

Non-conformance notice registration No. and date	*details of the document, in which the non-conformance (if any) was initially recorded, along with the number and date of Non-conformance notice*
Identifying organization, business unit	*(name of organization and department that has identified the non-conformance)*
Identifying person	*position and full name of the employee who identified the Non-conformance in accordance with the notice*
Non-conformance identification stage	*products life-cycle stage/substage at which its non-conformance was identified, for example, construction and assembly work, commissioning, etc.*
Control action	*control action name following which the non-conformance was identified*

Team[44]

Role[45]	Organization/subdivision	Position	Full name

Organizations to which notices have been sent[46]

Organization	Agreement/contract	Officer responsible for quality

[42] For the interim report, the word "Interim" is used instead of "Final". The interim report is filled out in stages, depending on the availability of correction measures for ICA, CA, PA, if the creation of a document confirming the implementation of actions is required.
[43] Comments on filling in the form fields are presented in italics.
[44] The persons included in the Team shall be specified.
[45] The employee's role in the process of non-conformance management: PRQI, PRQC, Leader, Team member, approver.
[46] The organization that has committed the non-conformance and its PRQC, as well as the names of its suppliers that have committed the non-conformance and are engaged in contractual relations with the above organization, and their PRQCs shall be specified, if applicable.

Description

Description of the non-conformance item	
(see item 4 of Appendix No. 5)	
Non-conformance description	
Type of non-conformance	*to be specified in accordance with the non-conformance types classifier (see item 5 of Appendix No. 5)*
Non-conformance description	*description in accordance with the Correction and ICA Plan shall be specified*
Requirements that have been violated	*the details and the name of document, the requirements of which were violated, are to be specified, along with the number of section/ paragraph/ page, where the violated requirements are established*

Analysis of significance of non-conformance

Elimination method[47]	Impact on the schedule[48]	Impact on functional capability / operation	Impact on the cost of works under an agreement/contract[49]	Safety class	Recurrence[50]	Significance	Scope of works [51]

Correction and interim containment actions

No.	Correction[52] / ICA	Action	Organization	Responsible person	Target Due Date
	indicate "correction" for action to eliminate non-conformance and "ICA" for measures on ICA	*(description of actions)*	*(organization responsible for implementation)*	*(responsible person from the organization)*	

Coordination of description of non-conformance, correction and ICA actions plan[53]

Organization	Subdivision	Full name	Position

Correction action completion report

No.	Actions	Report	Actual Date
		brief description of the actions taken, comments	

Coordination and approval of the correction report

Organization	Subdivision	Position	Full name

ICA actions implementation report

No.	Actions	Report	Actual Date

[47] Non-conformance class and type (if any) shall be specified in accordance with Section 7.
[48] To be specified in accordance with Appendix No. 2.
[49] The amount (in accordance with the Unified industry guidelines for calculating costs due to non-conformance of products with the established requirements) and the impact in accordance with Appendix No. 2.
[50] If the non-conformance is defined as recurrent, the registration numbers of non-conformances, based on which the recurrence was determined, shall be specified.
[51] To be specified in accordance with Appendix No. 2.
[52] Non-conformance elimination report is formed after the fulfillment of correction actions.
[53] Indicate the persons who have approved the information in Correction and ICA Plan.

Analysis of the causes of non-conformance

The cause for non-detection at the previous stages of product manufacture	*to be specified if the non-conformance could have been identified at the previous stages of product manufacture*

Root causes of occurrence:	
Type of cause	Description
(In accordance with Appendix No. 4)	

Development of corrective actions

No.	Root cause	Actions	Organization, business unit	Responsible person	Target Due Date

Coordination of the causes of non-conformance and corrective actions

No.	Organization, business unit	Position	Full name

Implementation of corrective actions

Corrective actions implementation report

No.	Actions	Report	Actual Date

Development and implementation of preventive actions

Development of preventive actions

No.	Actions	Organization, business unit	Responsible person	Target Due Date

Coordination of preventive actions

No.	Organization, business unit	Full name	Position

Report on execution of preventive actions

No.	Actions	Report	Actual Date

Coordination of reports on completion of ICA, corrective and preventive actions

THE NON-CONFORMANCE REPORT IS CLOSED

No.	Organization, business unit	Position	Full name	Signature, date

Enclosures

No.	Name	Number of sheets

4 Composition of information to be specified in the section "Description of the non-conformance subject" of uniform forms

4.1 List of non-conformance subjects and corresponding composition of information is provided in items 4.2 - 4.5 of Appendix No. 5.

The list of non-conformance subjects may be expanded by the organization taking to the account the specifics of its activities. In this case, the LRA of an organization, developed on the basis of the requirements of the Procedure, must contain the information on the added non-conformances subjects (not provided in this Procedure).

4.2 Subject of non-conformance - Equipment

Content of information on the non-conformance subject to be entered in the non-conformance report	
Building/structure	*designation and name according to the encoding system adopted for the project*
Place of identification (address)	*the place of non-conformance identification shall be specified*
Designation and name of detailed design documents	*designation and name of the detailed design documents, according to which the equipment is manufactured / procured / is being installed / has been installed*
Revision of detailed documents	*revision of detailed documents, according to which the equipment is manufactured / procured / is being installed / has been installed*
Designation and name of a process system	*designation and name of the process system, to which the equipment is related according to the encoding system adopted for the project*
Name of manufacturer	*name of manufacturer*
Designation and name of equipment	*factory designation and name of equipment*
M&E Classifier	*M&E designation and name*
Equipment KKS	*designation and name of equipment according to the encoding system adopted for the project (KKS, etc.)*
Serial number and date of manufacturing	*serial number of equipment, as well as equipment part number (if available)*
Drawing number, TS, TA, OST, GOST	*to be specified for equipment/material*
Safety class	*the safety class of equipment / part of equipment is to be specified*
Class (group), class designation as per FSR	*class designation as per NP-001 shall be specified*
Quality assurance category	*designation of quality assurance category adopted for the project, if available*
Number and paragraph of the violated FSR	*paragraph number and number of violated federal rules and regulations*
Quality plan number	*quality plan number, as well as quality plan control point number, if non-conformance is identified in the quality plan control point*
Certificate	*details of the certificate of conformity, if available*
Organization that issued the certificate	*name of organization that issued the certificate*

4.3 Subject of non-conformance - Material

Content of information on the non-conformance subject to be entered in the non-conformance report

Building/structure	*designation and name according to the encoding system adopted for the project*
Place of identification (address)	*the place of non-conformance identification shall be specified*
Designation and name of detailed design documents	*designation and name of the detailed design documents, according to which the material is produced/ procured/ used*
Revision of detailed documents	*revision of detailed design documents, according to which the material is produced / procured / used*
Designation and name of material	*name and designation (if any) of material*
M&E Classifier	*M&E designation and name*
Name of manufacturer	*name of manufacturer*
Date of manufacture	*date of manufacture according to accompanying documents*
Requirements for the material	*reference to the document (TS, OST, GOST, etc.) establishing requirements for the material*
Safety class	*the safety class shall be be specified (if available)*
Class (group), class designation as per FSR	*class designation as per NP-001 shall be specified*
Quality assurance category	*designation of quality assurance category adopted for the project, if available*
Batch No.	*batch number according to accompanying documents*
Certificate	*details of certificate (if available)*
Organization that issued the certificate	*name of organization that issued the certificate*

4.4 Subject of non-conformance - Detailed documentation

Content of information on the non-conformance subject to be entered in the non-conformance report	
Building, construction, structure	*designation and name according to the encoding system adopted for the project*
Place of non-conformance identification	*the place of identified non-conformance is specified (axis, rows, elevation, room No.)*
Detail design documentation developer	
Designation and name of detailed design documents	*designation and name of detailed design documents*
Revision of detailed documents	*designation of revision of detailed design documents*
Designation and name of equipment	*factory designation, name of equipment, to be filled if the non-conformance is related to equipment (installation, adjustment, etc.)*
Equipment KKS	*designation and name of equipment according to the encoding system adopted for the project, to be filled if the non-conformance is related to equipment (installation, adjustment, etc.)*
M&E Classifier	*M&E designation and name*

4.5 Non-conformance subject - process / key event under the agreement

Content of information on the non-conformance subject to be entered in the non-conformance report	
Name of process / key event under the agreement (non-conformance subject)	*designation (if available) and name of the process, in which the non-conformance is identified*

5 Types of non-conformances[54]

Subject of non-conformance:	**Type of non-conformance**
Project and detailed design documentation	Violation of requirements for forms and methods of transfer (submission) of design products (including correctness of placement in the information system)
	Non-conformances related to documents execution
	Translation non-conformances
	Non-conformances arising from the lack of unity of the transferred design products
	Non-conformances resulting from incorrect changes made in response to previous comments (including those not corrected)
	Technical/configuration non-conformances
	Completeness non-conformances
	Other non-conformances
Engineering and process documentation[55]	Non-conformances related to documents execution
	Translation non-conformances
	Completeness non-conformances
	Violation of the requirements of agreements/contracts
	Violation of national and international standards
	Violation of the requirements of guidelines
	Other non-conformances
Adjustment and operation documentation [55]	Non-conformances related to documents execution
	Translation non-conformances
	Completeness non-conformances
	Violation of the requirements of agreements/contracts
	Violation of the requirements of guidelines
	Other non-conformances
QMS documentation[55] (QMS procedures, QAP, Quality plans)	Non-conformances related to documents execution
	Translation non-conformances

[54] Non-conformance type may be expanded subject to specifics of activities being carried out.
[55] Not applicable to the documentation approval process.

Subject of non-conformance:	Type of non-conformance
	Completeness non-conformances
	Non-conformances of contents
	Violation of the requirements of agreements/contracts
	Violation of requirements of national and international standards
	Violation of the requirements of guidelines
	Other non-conformances
Other documentation[55] (other than design, detailed, engineering, process, accompanying documentation and QMS documentation)	Non-conformances related to documents execution
	Translation non-conformances
	Completeness non-conformances
	Non-conformances of contents
	Violation of the requirements of agreements/contracts
	Violation of the requirements of guidelines
	Other non-conformances
Materials (building materials; welding materials)	Non-conformances of material grade/class
	Non-conformity of physico-chemical, mechanical properties of materials with the required ones
	Non-conformance related to heat treatment
	Surface/hidden defects
	Non-conformance of marking/preservation/packing
	Completeness non-conformance
	Non-conformance of supporting documentation
Semi-finished products (sheets, pipes, forged and stamped parts, rolled stock and shaped products, blanks, steel and iron castings)	Non-conformance of semi-finished product grade
	Non-conformance of physicochemical, mechanical properties of semi-finished product with the required ones
	Non-conformance related to the use of a semi-finished product of different size
	Non-conformance related to heat treatment
	Surface/hidden defects
	Non-conformance of marking/preservation/packing
	Completeness non-conformance
	Non-conformance of supporting documentation
Equipment (heat-exchange equipment; steam and hot water boilers; pressure vessels; pumps; drives; electric motors; electric generators; steam turbines; pipeline	Violation of work algorithms, inoperability, inconsistency with operating parameters
	Corrosion
	Welding/surfacing non-conformance

Subject of non-conformance:	Type of non-conformance
components and elements; electrical and electronic devices; cable products; apparatus; instruments and units of electrical and electronic devices; dosimetry equipment and physical protection equipment; reloading machines; transport and process equipment; means of control, management, measurement and diagnostics; equipment for storage and processing of radioactive waste; thermal and biological protection equipment, fire extinguishing devices; sealing and containment penetration devices)	Non-conformance of conservation, packaging, labeling
	Mechanical damage, non-conformance of paint and varnish coatings
	Incompleteness
	Dimensions non-conformance
	Software error
	Installation error
	Assembly non-conformance (including connection non-conformance)
	Non-conformance of supporting documentation
Processes	Violation of the requirements of agreements/contracts
	Violation of national and international standards
	Violation of the requirements of guidelines
	Violation of the requirements of LRA of Rosatom State Corporation
	Violation of the requirements of the organization's LRA
	Process non-conformance
	Non-conformance of storage conditions
	Non-conformance of personnel qualification
Building structures/components	Dimensions non-conformance
	Damage to protective surfaces
	Non-conformance of the integrity of structures and elements, deformation, destruction
	Inconsistency of the position in space with the design
	Non-conformance of paint coatings
	Soil problems
	Malfunctioning, inoperability
	Documentation non-conformance (other than design, detailed, engineering, process documentation)
	Welding/surfacing non-conformance
Process system	Violation of work algorithms, inoperability, inconsistency with operating parameters
	Corrosion
	Welding/surfacing non-conformance
	Labeling non-conformance
	Mechanical damage, non-conformance of paint and varnish coatings
	Dimensions non-conformance

Subject of non-conformance:	Type of non-conformance
	Assembly non-conformance (including connection non-conformance)
Milestone under the contract	Violation of delivery time
	Violation of the timing of "Work implementation stage" milestone
	Violation of the timing of "Manufacturing control point" milestone

Appendix No. 6
(required)

Rules of interaction of non-conformance management process participants with the use of UIS-Quality

1 Depending on who exposed the non-conformance, each party to the agreement/contract (customer and contractor) may be the organization exposing the non-conformance.

2 The web address of the system login page is https://eosk.rosatom.com.

3 The customer of the products after the conclusion of agreement/contract shall:

– within 10 (ten) calendar days, appoint an employee (employees) responsible on behalf of the customer for work in UIS-Quality, assign him/her with the responsibilities of interacting with the supplier on non-conformance management using UIS-Quality;

– within 15 (fifteen) calendar days, initiate in the prescribed manner the provision of access to UIS-Quality to the employee (employees) of the supplier[56], who is (are) responsible for work in UIS-Quality.

4 The supplier of products, work, services within 10 (ten) calendar days after the conclusion of agreement/contract shall:

– appoint an employee (employees) responsible on behalf of the contractor for work in UIS-Quality, assign him/her with the responsibilities for interaction with the customer on issues on non-conformance management using UIS-Quality (receiving and reviewing non-conformance notices, provision of non-conformance reports, monitoring the deadlines for providing information on non-conformances, providing consultations, organizing participation of the representatives of organization in the non-conformance management processes, organization of meetings) and entering information on non-conformances into UIS-Quality;

– transfer to the customer information about the appointed employee (employees) responsible on behalf of the supplier for work in UIS-Quality (name, position, phone number, e-mail address).

5 Employees responsible for the work of UIS-Quality:

– shall be provided in the established manner with a login and password for logging into UIS-Quality;

– shall get information on the identified non-conformances in the corporate email.

6 When working in UIS-Quality, only publicly available information shall be entered into the system.

7 When more than one organization that has committed a non-conformance participate in the process it is required to follow the instructions for work in the system describing in detail the procedure for redirecting the non-conformance notices, interaction of the Leaders from different organizations etc. available at the address: https://eosk.rosatom.com/normativedocuments.

8 If qualified electronic signatures are available, the non-conformance document shall be issued in electronic format.

9 When using an electronic signature in the "UIS-Quality", it is necessary to be guided by the Terms and Conditions on using an electronic signature in the information system "Unified Industry System for Quality Management of Rosatom State Corporation":

[56] Organizations other than organizations of the Corporation.

Terms and Conditions
on using an electronic signature in the information system
"Unified Industry Quality Management System of Rosatom State Corporation."

1 The parties to the Contract shall hereby agree to adopt electronic documents made (generated) using the UIS-Quality system and signed with an enhanced qualified electronic signature (hereinafter referred to as EQES) or an enhanced unqualified electronic signature (hereinafter referred to as EUES) using the Trusted Services Platform of Rosatom (hereinafter referred to TSP).

2 All and any information (documents and data) related to the organization and execution of the non-conformance management process in the UIS-Quality is presented in the UIS-Quality in the form of electronic documents (information in electronic format).

3 Electronic documents generated in the UIS-Quality and signed with EQES or EUES shall be recognized as equivalent to hard-copy documents signed with a handwritten signature according to Federal Law On Electronic Signature No. 63-FZ dated April 06, 2011, and can be used in any legal relations in accordance with the legislation of the Russian Federation, unless the federal laws or regulatory and legal acts adopted therewith have established the requirement to draw up exclusively a hard-copy document.

4 Documents in electronic format in the UIS-Quality signed by the EQES or EUES, are a necessary and sufficient condition to establish that the electronic document comes from the Party that sent it, the information and documents are sent on behalf of the persons who signed them, and also confirms the authenticity and reliability of such documents and information.

5 The parties to the agreement have agreed that electronic documents can be signed using the EUES on the one hand, and using the EQES on the other hand. Provisions of items of these conditions shall also apply to such documents.

6 When using the UIS-Quality, the parties to the Contract shall agree and sign the following documents generated in the UIS-Quality, including but not limited to:

- non-conformance notice;
- plan of correction and interim containment actions;
- Report on Elimination of Non-conformance;
- Corrective Actions Plan;
- Preventive Actions Plan;
- Final Non-conformance Report;
- documents generated following the results of quality control (including incoming inspection statement).

7 EQES or EUES shall be used to sign documents in the UIS-Quality by the parties to the agreement who are users of the UIS-Quality with the following roles, including but not limited to:

- Person responsible for quality in the organization committed a non-conformance;
- Person responsible for quality in the organization who has identified the non-conformance;
- Head of the inspector.

8 To generate a EQES in the UIS-Quality, users of the UIS-Quality (parties to the agreement) shall obtain a qualified EQES certificate from an accredited certification center and install certified electronic signature tools on their computer. The list of accredited certification centers is available at: https://digital.gov.ru/ru/activity/govservices/2/#section-list-of-accredited-centers.

9 The EQES authenticity verification service is available at: https://www.gosuslugi.ru/pgu/eds/, this website requires the use of the verification method "-electronic document. “”EQES detached” on this web-site.

10 To generate a EUES in the UIS-Quality, users of the UIS-Quality (parties to the Contract) shall:

Enter into an affiliation agreement with Greenatom JSC in terms of subscribing to the services provided by the TSP as regards issuing the EUES certificate, using the signing and authentication services. The text of affiliation agreement is available at: https://crypto.rosatom.ru/dokumentatsiya/dogovor/[57];

Get the EUES certificate in the Certification center of Rosatom using the appropriate TSP service; the use of EUES certificates from third-party certification centers is not allowed. The procedure of obtaining a certificate and using a EUES is available at: https://crypto.rosatom.ru/innovatsii/platforma-doverennykh-servisov/.

The generation of a EUES shall be requested in the UIS-Quality interface and carried out in the integrated Trusted Services Platform of Rosatom.

The TSP shall generate a detached EUES upon the request of the information UIS-Quality system.

11 The service for EUES authenticity confirmation is located on the TSP side and is called from the UIS-Quality interface. The UIS-Quality shall send the document and the detached signature to the TSP authentication service, and the TSP authentication service shall return the verification result and a set of information about the EUES certificate.

12 The Parties to the Contract involved in the Non-Conformances management using the UIS-Quality shall comply with the confidentiality of electronic signature keys and be responsible for the safety and proper use of electronic signature keys according the applicable legislation of he Russian Federation.

13 Electronic document management in the UIS-Quality with the use of an electronic signature shall be legally significant for the Parties under the Contract and can be used as appropriate evidence in court proceedings.

[57] The paragraph version shall be included/applied for Rosatom State Corporation organizations.

Appendix No. 7
(required)

Comparative table of roles in the process and roles in UIS-Quality system

Role in the process	Role in the system as per execution sheet			
	Process participant	Person responsible for quality in the organization who has identified the non-conformance	Person responsible for quality in the organization who has committed a non-conformance	Analyst
An employee of the organization having information on non-conformance	R	S	S	S
Direct supervisor	R	S	S	S
The person responsible for quality in the organization that identified a non-conformance	R	R		
The person responsible for quality in the organization that committed a non-conformance	R		R	
employees determined by PRQC	R	S	S	S
employees determined by RQI	R	S	S	S
Leader	R	S	S	S
Team members	R	S	S	S
Employees responsible for the implementation of measures for correction and ICA, CA, PA	R	S	S	S
Employees responsible for performing system analysis of the identified non-conformances	R			R

R - role as per execution sheet, required for carrying out the indicated actions within the process.
S - role as per execution sheet, sufficient for carrying out the indicated actions under the process.

Appendix No. 8
(required)

Form of Decision on non-conformance of Class A.

APPROVED BY
First Deputy of Chief Executive Officer
Director of NPP under Construction
AKKUYU NÜKLEER ANONIM SIRKETI

_____ _____
(signature) (Initials, Surname)
_____, 20 ____

Decision No. _____ dated _____
(registration number of the decision) (date of registration)

_____
(name of decision)

Name of product:
Serial number
Classification designation as per NP-001:
Equipment group as per PNAE G-7-008:
Seismic category as per NP-031:
KKS code:
TA/TS/TR (or other RD, which is used for manufacturing products):
Quality plan[1*]:
Manufacturing company:

Products will be used in the manufacture of equipment [2*]:
Name of equipment[2*]:
Classification designation as per NP-001 [2*]:
Equipment group as per PNAE G-7-008 [2*]:
Seismic category as per NP-031 [2*]:
KKS Code [2*]:
TA/TS/TR[2*]:
Quality plan[2*]:
Manufacturer[2*]:

Non-conformance description:
(specify detailed information about non-conformance with the Appendix, if necessary, drawings, test results, etc.)

Work Need Brief Justification:

Results of the preliminary evaluation of impact of the planned actions on nuclear and radiation safety:

List and results of corrective and preventive actions:

IT IS HEREBY RESOLVED TO:

Subject matter of the Decision:

Actions with indication of responsible persons and time limits

Attachments:

1. [3*]

2. [3*]

n Copies of letters of agreeing and approval of the Decision [3*]

DEVELOPED BY:
Product manufacturer

_____ _____ _____
(name of the organization and position of the person entitled to approve this Decision) (signature) (Surname, initials)
_____, 20___

AGREED WITH:
Product manufacturer

_____ _____ _____
(name of the organization and position of the person entitled to approve this Decision) (signature) (Surname, initials)
_____, 20___

Developer of the Engineering Documentation for products

_____ _____ _____
(name of the organization and position of the person entitled to approve this Decision) (signature) (Surname, initials)
_____, 20___

Developer of the Engineering Documentation for Equipment [2*]

_____ _____ _____
(name of the organization and position of the person entitled to approve this Decision) (signature) (Surname, initials)
_____, 20___

Leading Materials Science Organization[4*]

_____ _____ _____
(name of the organization and position of the person entitled to approve this Decision) (signature) (Surname, initials)
_____, 20___

Authorized organization

_____ _____ _____
(name of the organization and position of the person entitled to approve this Decision) (signature) (Surname, initials)
_____, 20___

General Designer of Akkuyu NPP

_____ _____ _____
(name of the organization and position of the person entitled to approve this Decision) (signature) (Surname, initials)
_____, 20___

Reactor Plant Chief Designer[5*]

_____ _____ _____
(name of the organization and position of the person entitled to approve this Decision) (signature) (Surname, initials)
_____, 20___

Equipment Supplier:

_____ _____ _____
(name of the organization and position of the person entitled to approve this Decision) (signature) (Surname, initials)
_____, 20___

General contractor[6*]

_____ _____ _____
(name of the organization and position of the person entitled to approve this Decision) (signature) (Surname, initials)
_____, 20___

Design Director of AKKUYU NÜKLEER ANONİM _____ _____

ŞİRKETİ

(signature) (Surname, initials)
_____, 20___

Deputy Director of NPP under Construction - Chief Technology Officer of AKKUYU NÜKLEER ANONİM ŞİRKETİ

_____ _____
(signature) (Surname, initials)
_____, 20___

Quality Director of AKKUYU NÜKLEER

_____ _____
(signature) (Surname, initials)
_____, 20___

1* Filled in if the product is manufactured according to the Quality plan.
2* Filled in if the product Is used in the manufacture of equipment.
3* Are mandatory Appendices to the Decision.
4* Approval by the Head materials science organization is mandatory for products/ equipment that are subject to the Federal rules and regulations of PNAE G-7-008.
5* Approval by the Reactor Plant Chief Designer is mandatory for imported equipment, forming part of the reactor plant.
6* Approval by the General contractor is mandatory if there is no direct agreement (contract) between the Supplier and the Company.

It is allowed, instead of the approving signatures, to make a reference to the number and date of the approval letter, while opposite the organization an entry ”Agreed by letter dated _____ No. _____” is made.

Procedure for agreeing, approval, registration and storage of Decisions

1.1 The Draft Decision after development and approval by the Manufacturer, is sent to the addresses of the organization approving the Decision (except for the Company).

1.2 After approval of the Draft Decision by all organizations, it is sent by the Manufacturer to the Company's Quality Director.

All letters on sending for review and coordination of Decisions with appendices are duplicated to the email address quality@akkuyu.com and are accepted for work by the Department of Audits and Inspections the next day after their receipt to the specified email address.

1.3 The Company's Quality Director issues an order to review and approve the Decision (using the Company's electronic document management system):

– To the Design Director (regarding the impact of changes and non-conformances on the project);

– Deputy Director of NPP under Construction - Chief Technology Officer

1.4 The Design Director, Deputy Director of the NPP under construction – Chief Technology Officer send the results of the Decision review (using the Company's electronic document management system) to the Company's Quality Director.

1.5 The Audit and Inspection Department reviews the Decision and takes into account the results of the review received from the Design Director and the Deputy Director of the NPP under construction – the Chief Technology Officer.

1.6 The Audit and Inspection Department, after agreeing the Decision with the Director of Design and Deputy Director of the NPP under construction – the Chief Technology Officer submit for the approval of the First Deputy General Director – Director of the NPP under construction.

1.7 Decisions concerning deviations from the requirements of regulatory legal acts and safety guidelines of the Republic of Turkey after approval shall be sent for approval by the NRA.

1.8 The Audit and Inspection Department sends an official response on approval of the Decision and approval by the NRA (for Decisions concerning deviations from the requirements of regulatory legal acts and safety guides of the Republic of Turkey)/ disagreement and/or disapproval of the Decision to the Manufacturer.

1.9 The manufacturer, after the approval of the Decision by the Company and approval by the NRA (for Decisions concerning deviations from the requirements of regulatory legal acts and safety guides of the Republic of Turkey), registers it. A registered copy of the Decision is sent to all organizations that agreed on the Decision and the Company. The original Decision is kept by the Manufacturer for the entire service life of the equipment, and the registered copy, in Russian and English or in bilingual version, is subject to inclusion into the accompanying documentation.

Appendix No. 9
(required)

Non-conformance list form

ПЕРЕЧЕНЬ НЕСООВЕТСТВИЙ по Оборудованию для АЭС «Аккую» за **LIST OF NON-CONFORMANCES for the Equipment for AKKUYU NPP for**			**_____, 20__** (месяц/ month)
Наименование Поставщика / Supplier's name		Номер договора (контракта) между Заказчиком и Генподрядчиком/ Поставщиком / Number of Contract between Customer and General contractor/ Supplier	
Наименование Изготовителя / Manufacturer's name		Номер договора (контракта) между Генподрядчиком/ Поставщиком и Изготовителем / Number of agreement (contract) between General contractor/ Supplier and Manufacturer	

Всего за отчетный период по данному договору (контракту) с Изготовителем находилось в изготовлении _____ единиц Оборудования /
For the reporting period under this agreement (contract) with the Manufacturer a total of _____ Equipment units were being manufactured

Количество Несоответствий класса А / Number of class A Non-conformances		Количество Несоответствий класса Б тип 1 / Number of class B type 1 Non-conformances		Количество Несоответствий класса Б тип 2 / Number of class B type 2 Non-conformances		Количество Несоответствий класса Б тип 3 / Number of class B type 3 Non-conformances		Количество Несоответствий класса Б тип 4 / Number of class B type 4 Non-conformances		Всего Несоответствий / Non-conformances, total	

№ п/п / Item No.	Номер документа регистрации Несоответствий и принятых решений (необходимо указать также его вид: Отчет о Несоответствии или Решение) / Number of document registering Non-conformances and made decisions (also specify its kind: Report on Nonconformity or Solution)	Наименование изделия, по которому выявлено Несоответствие / Name of product Non-conformance is detected in	Категория обеспечения качества / Quality Assurance Category	Класс безопасности / Safety class	Вид Несоот-ветствия* / Kind of Noncon-formity*	Класс и тип Несоот-ветствия / Noncon-formity class and type	Причины Несоот-ветствия* / Causes for Noncon-formity*	Корректир-ующие действия* / Corrective actions*	Коррекция* / Correction*	Примечание / Note

*- рекомендуется использовать типовые формулировки, приведенные ниже. Необходимо указывать только номер / it is recommended that the following standard wording be used. Only number is required

Вид Несоответствий / Kind of Non-conformances

1. Несоответствия материалов, комплектующих, полуфабрикатов, покупных изделий / Non-conformance of materials, components, semi-finished products, purchased goods
2. Несоответствия по результатам разрушающих испытаний / Non-conformances according to the results of destructive testing
3. Несоответствия по результатам ковки и (или) штамповки / Non-conformances according to the results of forging and/or stamping
4. Несоответствия по результатам термообработки / Non-conformances according to the results of heat treatment
5. Несоответствия по результатам мех.обработки / Non-conformances according to the results of mechanical processing
6. Несоответствия по результатам сварки, наплавки, пайки / Non-conformances according to the results of welding, built-up welding, soldering
7. Несоответствия по результатам неразрушающих испытаний / Non-conformances according to the results of nondestructive testing
8. Несоответствия по результатам сборки / Non-conformances according to the results assembling
9. Несоответствия по результатам приемо-сдаточных (заводских) испытаний / Non-conformances according to the results of delivery and acceptance (factory) testing
10. Несоответствия маркировки / Non-conformance of marking
11. Несоответствия консервации / Non-conformances of preservation
12. Несоответствия окраски / Non-conformance of painting
13. Несоответствия упаковки / Non-conformance of packing
14. Несоответствия комплектации / Non-conformance of the package

Причины Несоответствий / Causes for Non-conformances

1. Ошибки в конструкторской документации / Errors in design documentation
2. Ошибки в технологической документации / Errors in process documentation
3. Ошибки на заготовительных/ комплектующих операциях / Errors in blanking/ completing operations
4. Несоответствие технологического оборудования, оснастки, инструмента / Non-conformance of process equipment, gear, tools
5. Несоответствие контрольного, измерительного, испытательного оборудования (КИИО) / Non-conformance of control, measuring, test equipment (CMTE)
6. Несоответствие программного обеспечения (ПО) / Non-conformance of software
7. Несоблюдение технологической документации / Non-observance of process documentation
8. Несоблюдение конструкторской документации / Non-observance of engineering documentation
9. Ошибка исполнителя / Contractor’s error

Корректирующие действия / Corrective actions

1. Корректировка конструкторской документации / Correction of engineering documentation
2. Корректировка технологической документации / Correction of process documentation
3. Усиление Входного контроля, корректировка взаимодействий с поставщиками, корректировка процедур заготовительных, комплектующих операций / Improvement of the Incoming Inspection, adjustment of interaction with suppliers, correction of blanking, completing operations
4. Ремонт, настройка либо закупка нового технологического оборудования, Ремонт, восстановление (изготовление, закупка) новой оснастки, инструмента / Repair, adjustment or purchasing of new process equipment, Repair, restoration (production, purchasing) of new gear, tools
5. Валидация, верификация либо установка нового ПО / Validation, verification or installation of new software
6. Ремонт, поверка, настройка либо закупка нового КИИО / Repair, check, adjustment or purchasing of new CMTE
7. Дополнительное обучение (инструктаж), повышение квалификации / Additional training (briefing), advanced training
8. Административные меры / Administrative measures

Коррекция/ Correction

1. Принять без изменений / To be accepted unchanged
2. Принять с комментариями /To be accepted with remarks
3. Переделать / Redraw
4. Отремонтировать / Repair
5. Забраковать / Not to be accepted

Acknowledgment Sheet

(structural subdivision)

with the document "Procedure. Management of Non-conformances Detected during Manufacturing and Incoming Inspection of Products for Akkuyu NPP QUA-II-RG-CQ-14-192-2020 (version 1)

(document title and identification code)

Full name of employee	Position	Signature	Date of familiarization