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Report

High Heat Flux Testing Protocol template

This document outlines main chapters to be included in HHF Testing Protocols issued by Suppliers in the frame of Procurement Arrangements and associated activities related to High Heat Flux Tests of In-Vessel components.

Approval Process			
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The High Heat Flux Testing Protocol Template

This template outlines main chapters to be included in HHF Testing Protocols issued by Suppliers prior to beginning of each test campaign in the frame of Procurement Arrangements and associated activities related to High Heat Flux Tests of In-Vessel components.

1. Purpose

This chapter shall describe the purpose of performed HHF testing. The document shall use only mutually agreed terminology in order to avoid confusion.

2. Applicable documentation

The chapter shall contain a list of applicable documentation.

3. Testing program

This chapter shall contain as minimum:

- *Description of the tested object (drawings, etc.)*
- *Arrangement of the tested object(s)*
- *Description of a testing program*

4. Description of testing zones

The chapter shall contain schematic view of testing zone with respect to the tested object.

5. Data Acquisition system and diagnostics

This chapter shall contain as minimum:

- *Short description of mentioned systems*
- *Description of calibration procedures*

6. Description of the tests sequence

This chapter shall contain description of each step of testing program

7. Tested object failure

This chapter shall contain requirements and actions to be taken in case of failure of the tested object

8. Testing parameters

This chapter shall contain as minimum:

- *Target values of hydraulic parameters and water chemistry*
- *Estimation of EBG parameters per each step of testing*

9. Test Summary Report

This chapter shall contain short description of the content of the Test Summary. Typically this document is aimed at demonstrate that the testing campaign has been performed in accordance with the testing protocol

10. Testing Report

A Testing Report shall be prepared after completion of each testing campaign. A template of the testing report shall be given in an Annex of the Testing Protocol. The electronic version (in Word or PDF format) of the Testing Report shall be delivered by the DA to the IO within four weeks after the completion of the test campaign.