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Closure of Regulatory Observation – RO-ABWR-0015 – Mechanical Engineering Systems Structures and Components (SSC) Qualification and layout provision

I refer to Regulatory Observation RO-ABWR-0015 – SSC Qualification and layout provision that was issued on 16 September 2014.

I am writing to confirm the closure of this Regulatory Observation on the basis that Hitachi-GE has demonstrated adequate arrangements for the determination of SSC design life and assessment of layout provision should SSC replacement be required during the life of the UK ABWR.

ONR recognises that further detailed considerations for SSC qualification and layout provision will occur throughout the design process. Hitachi-GE have committed to the continual review and implementation of the following two actions throughout subsequent phases of the UK ABWR design and build programme;

1. Document 'SE-GD-0145 List of Applicable Legislation and RGP to ME SSC (TRIM ref: 2015/76543) is to be continually reviewed and updated to reflect the design of each SSC as it evolves.
2. In accordance with its General Design Process Approach - SE-GD-0297 (2016/395236) and Strategy on the Design Life of ME SSC - SE-GD-0188 (TRIM ref: 2016/358003), Hitachi-GE are to continue with its design review for all UK-ABWR SSC. The above arrangements are considered to be generic and shall be adopted by all technical disciplines.

Reference documents supporting this Regulatory Observation are set out below:

- GA91-9201-0003-01471 - SE-GD-0483 - Rev 0 - UK ABWR GDA Summary Report of RO Actions Regarding RO-ABWR-0015 ME SSC's Qualification and Layout Provision (TRIM ref: 2016/361114);
- GA91-9201-0004-00019 Rev.0 - RO-ABWR-0015 - Mechanical Engineering SSCs Qualification and Layout Provision - 06 January 2015 – Published Resolution Plan (TRIM ref: 2015/36083).

A copy of this letter will be published on the ONR website in due course.