

RAPPORTEURS' REPORT UNITED KINGDOM
ENSREG NATIONAL ACTION PLANS WORKSHOP

1.0 ASSESSMENT OF THE STRUCTURE OF NATIONAL ACTION PLAN

1.1 Compliance of the national action plan with the ENSREG Action Plan

The UK NAcP has been prepared in accordance with the NAcP template issued by ENSREG. The NAcP addresses all recommendations from the ENSREG compilation of recommendations. Additionally, all sections contain an update of the National Stress Test Report and of the ENSREG and country specific Peer Review Report.

The report has been produced as a current statement of UK Regulators Actions related to Post-Fukushima lessons learnt and stress test peer review recommendations and suggestions contained within the UK post Japanese earthquake and tsunami implementation plan.

The update of the country specific peer review provided at the beginning of the different sections does not clearly present all the recommendations formulated by the peer review team and does not clearly mention how these recommendations were taken into account. However, the peer review outcomes are mapped across to the interim and final chief inspector's recommendations. The peer review outcomes were also detailed in the country presentation and were discussed in the following session.

The aspects from the CNS Summary Report are incorporated, but not explicitly addressed.

As additional topics not part of ENSREG or CNS considerations, five areas have been considered, namely planning controls, safety assessment approach, research, spent fuel strategies and human capabilities and capacities. Openness and transparency are discussed in a separate subsection.

1.2 Adequacy of the information supplied, taking into account the guidance provided by ENSREG

The UK NAcP follows the ENSREG national action plan guidance very closely, as it is prepared in accordance with the NAcP template issued by ENSREG.

The NAcP consists of four parts, describing topics 1 to 3, topics 4 to 6, additional topics and the implementation.

A first included table lists the Stress Test Findings and the work carried out to address these findings. Another included table lists the Interim and Final Recommendations. Actions from these findings and recommendations are mapped across the Peer Review Outcomes and the ENSREG compilation of recommendations, with the corresponding timescales and milestones.

An executive summary has been added before the introduction. The national action plan also includes a conclusion, a reference table and a table of abbreviations. Two annexes were added on “ONR recommendations and findings” and on “Information Requested in the NAcP template”.

2.0 ASSESSMENT OF THE CONTENT OF NATIONAL ACTION PLAN

2.1 How has the country addressed the recommendations of the ENSREG Action Plan?

UK has established a list of 19 Stress Test Findings, 25 interim recommendations and 11 final recommendations from the national stress tests report that meet the recommendations of the ENSREG action plan.

Recommendations of the peer review country report which were not clearly addressed in the NAcP, for example the recommendations regarding design basis earthquake or design basis flood, were included in the country presentation and described in more detail in the ensuing discussions.

The aspects of the ENSREG compilation of recommendations and suggestions are explicitly referenced and all the actions mentioned above are adequately addressed.

2.2. Schedule of the implementation of the NAcP

As mentioned in the National Action Plan UK, all planned actions will be implemented by the end of 2014 (Q4 2014), with a majority planned for 2013.

Most actions are studies, assessments or reviews. No major design modifications currently arise from the studies, besides from the filtered containment venting, which is currently under consideration.

Soon after the Fukushima accident, additional back-up equipment was purchased and passive autocatalytic recombiners were installed.

For the Wylfa Magnox reactor, actions were taken to realise safety benefits with short implementation times, noting that extended actions would surpass the remaining life time.

2.3 Transparency of the NAcP and of the process of the implementation of the tasks identified within it

In section 3, as an additional topic, the UK has proposed two recommendations to improve openness and transparency.

The UK's national action plan is published on the ONR website, along with an implementation report and other relevant documents. A link to the ENSREG website is also available for access to the UK and other NAcPs.

2.4 Commendable aspects (good practices, experiences, interesting approaches) and challenges

The large scale, multi-unit exercise, which is planned for spring 2014, will provide a proof of concept for back up equipment and associated arrangements. Together with the future nuclear emergency exercise program to test the on-site, off-site and central government responses for prolonged periods, the experience from these exercises will improve the emergency preparedness.

The availability of multi-use modular accommodation and command units and other emergency back-up equipment in dedicated strategic depots, with the associated 20-year specialist maintenance contracts that assure operability in emergency situations, are an interesting approach which is considered a good practice.

Where appropriate, the draft action plan was reviewed by other agencies, for example the UK Environment Agency, which adds an alternate point of view.

Methodologies for the re-evaluation of hazards margins to confirm the absence of cliff edges remains a topic of discussion.

3.0 PEER-REVIEW CONCLUSIONS

The UK NAcP gives comprehensive and understandable information on the safety improvements of the UK nuclear power plants after Fukushima, taking into account the national stress tests, the recommendations and suggestions of ENSREG and the CNS summary report.

The NAcP closely follows the structure proposed by ENSREG. The following additional topics are addressed: planning controls, safety assessment approach, research, spent fuel strategies and human capabilities and capacities.

The UK's national action plan is published on the ONR website, along with an implementation report and other relevant documents. Additionally, the UK has included recommendations to improve openness and transparency.

All planned actions will be implemented by the end of 2014, with a majority planned for 2013, which is a very tight schedule.

Most actions are studies, assessments or reviews, further modifications may result from these. No major design modifications currently arise from the studies, besides from the filtered containment venting, which is currently under consideration. Soon after the Fukushima accident, additional back-up equipment was purchased and passive autocatalytic recombiners are being installed at Sizewell B in April 2013.

For the Wylfa Magnox reactor actions were taken to realise safety benefits with short implementation times, noting that extended actions would surpass the remaining life time.

The UK has defined several actions regarding emergency preparedness, including a future exercise program to test on-site, off-site and central government responses for prolonged periods and the large scale multi-unit exercise, which is planned for spring 2014.

Methodologies for the re-evaluation of hazards margins to confirm the absence of cliff edges remains a topic of discussion.

Another addition to the emergency preparedness is the availability of multi-use modular accommodation and command units and other emergency back-up equipment in dedicated strategic depots, with the associated 20-year specialist maintenance contracts that assure operability in emergency situations, which is considered a good practice.