



Minutes of the 33rd meeting of ENSREG
 10th November 2016
 Brussels

Participants

ENSREG members from all EU Member States as well as the European Commission, with the exception of Croatia, Cyprus, Estonia, Germany, Latvia, Romania and Malta were represented in the meeting. Observers from Norway, Turkey, and the IAEA were also present as well as representatives from WENRA. On Commission side, representatives from DG JRC were also present on top of DG ENER staff.

1. Opening of the meeting and adoption of the agenda

The agenda was adopted with some adaptations to take into account requests of some ENSREG Members, to ensure consistency between topics and to facilitate transitions from one speaker to another. To achieve this, a point related to TPR stakeholder engagement plan was added on Topic 3, reporting of WG3 activities was done just after this point and the reporting of WG2 activities was done joint after point 5. An update on the Quality Audit of AREVA Le Creusot and the issue of high carbon content in pressurised equipment was also addressed at the end of the meeting following a proposal from the ENSREG Chairman.

2. Chairman's introduction and report

[HLG_p\(2011-15\)_76 ENSREG Rules of Procedure](#)

[HLG_p\(2012-21\)_116 ENSREG Working Group Rules of Procedure](#)

The meeting was opened by the ENSREG chairman Mr Pierre-Franck Chevet. He recalled the objectives of the meeting and welcomed two new ENSREG Members, Mr. Aurelien Louis from France and Dr. Richard Savage from the UK.

During this meeting, ENSREG re-appointed Mr. Christos Housiadas as ENSREG Vice Chairman and WG3 chairman and Mr. Antonio Munuera as WG1 chairman for 2 more years. In addition, based on its rules of procedure, ENSREG launched the process to replace the ENSREG Vice Chairman Mr. Petr Krs and the WG2 Chairman Mr Bengt Hedberg. Some ENSREG members (SE, IT, UK) expressed interest for the positions. It was also indicated by the ENSREG Chairman that the Chairman of the next IAEA Joint Convention in 2018 should this time come from a European Country and that the candidate should be proposed to the IAEA before the end of February 2017.

Firm candidatures from ENSREG Members for the two positions still open are expected to be sent to the ENSREG secretariat before the end of 2016. Following receipt of the candidature a silence procedure will be organised by the ENSREG secretariat to officially appoint these two persons.

The ENSREG Chairman also reminded the ENSREG Members that in 2017 two ad-hoc Task Groups should be created to take care of following topics of the ENSREG WP2016-2019 *Topic (3)*:

- ENSREG report 2017 to the Council and the European Parliament,
- Revision of ENSREG WP 2016-2019 to synchronise it with ENSREG report and ENSREG conference

ENSREG Members should propose candidates to lead and collaborate to these ad-hoc Task Groups.

The ENSREG Chairman reminded the need to get candidatures for the Board of the TPR and asked WG1 to collect them in order to perform the selection process.

[ENSREG took the decision to](#)

[Re-appointed Mr. Christos Housiadas as ENSREG Vice Chairman and WG3 chairman and Mr. Antonio Munuera as WG1 chairman for 2 more years.](#)

Launch the procedure to appoint a new ENSREG Vice Chairman in replacement of Mr. Petr Krs and a new ENSREG WG2 chairman in replacement of Mr. Bengt Hedberg

3. Topical Peer Review 2017

HLG_r(2016-33)_348 ENSREG TPR 2017 Terms of Reference - Rev 3
 HLG_r(2016-33)_344 ENSREG_TPR_stakeholders_plan_10_November_2016
 HLG_r(2016-33)_345 ENSREG_TPR_stakeholders_plan_10_November_2016
 HLG_r(2016-33)_353 ToR Public Consultation report to ENSREG33-rev1
 HLG_r(2016-33)_355 ENSREG DRAFT letters IAEA-ENISS-NGO - TPR ToR
 HLG_r(2016-33)_356 WENRA_tpr_specification_for_public_consultation
 HLG_r(2016-33)_361 WENRA-RHWG TPR specification - ENSREG meeting v1

3.1. WENRA presentation of the final version of the Technical Specifications of the 2017 TPR on "Ageing Management"

Following the invitation made at the last ENSREG Meeting, WENRA finalised the Technical Specifications (TS) for the first Topical Peer Review (TPR) on "ageing management" during its last meeting (25-27 October 2016) and submitted these TS to a Public Consultation on the WENRA website until the 30th November 2016.

Mr Feron, chairman of WENRA RHWG, presented these last developments and the current status of the WENRA TS for this first TPR. Mr. Feron recalled the specific technical topics that will be covered by this TPR and highlighted in particular that following discussion within WENRA the only remaining open issue was related to concrete structures which required detailed discussions to define a written option taking into account concrete and steel structures are used for containment, depending on the nuclear plant design. Mr. Feron explained that basically there are three families of design on European NPPs. For some design, steel structures are the primary mean for confinement, for other it is concrete structures and, for other both material are used (steel liner on a concrete structure). According to the current text approved by WENRA *"The concrete structures under scrutiny are **concrete containment structures**, with or without a liner, designed to withstand the pressure associated with a significant leakage of coolant from the reactor cooling circuits."* This means that in the current situation the review of ageing mechanisms for the containment of NPPs in Germany and some NPPs in Belgium, Finland, Switzerland and Spain will not be addressed or only partially addressed in the TPR. He indicated that, on this point, the WENRA TS may still be revisited in particular following the public consultation and comments from ENSREG Members to eventually broaden the scope of the TS in that field.

Mr Feron indicated that the forthcoming procedure to completely finalize the WENRA TS will depend of the comments received from ENSREG Members and through the Public Consultation. If the comments are editorial or minor they could be addressed by WENRA or ENSREG secretariats or by WENRA RHWG in a simplified way. If the comments are more important, the WENRA RHWG will hold a dedicated meeting on 20-21 December 2016 to address them.

The EC acknowledged the very good work done in the development of the TS, paving the way to a full approval of the TS by ENSREG through a written procedure before the end of January 2017. Following a remark from one ENSREG Member (PT), the EC recalled that it was decided during last meeting to *"Make it mandatory for EU Member States to include research reactors above 1 MWth in this first TPR and to invite EU MS to include other research reactors and other Nuclear Installations on a voluntary basis"*. The EC also emphasised the need to extend the scope of the TS to encompass the different families EU NPPs in the peer review.

Following this presentation several ENSREG Members (FI, AT, CZ, UK, SL, etc...) acknowledged the high quality of the work done by WENRA RHWG in developing these TS.

After a few questions for clarification and considering the latest version of the draft specification, only one topic was subject to some debate and extensive discussion: the scope of concrete structures to be reviewed. Several aspects of the situation were emphasized by different ENSREG members and WENRA representatives like the extensive effort already made to develop the TS, the limited timeframe for further extending the scope with a TPR exercise which should start at the beginning of 2017, the combination of technical and transparency aspects in this 1st TPR exercise, the need for the TPR process to be comprehensive and

convincing, the fact that several countries have different ways to implement WENRA RLs and that some countries are more using IAEA Safety Standards, etc.

It was also clearly pointed out by some ENSREG members that the scope of the TPR is on Ageing Management Programme and that, in the frame of the WENRA TS, only several areas or components have been selected to perform more deep analyses. Considering that the scope of this TPR is already very comprehensive, time should not be lost to extend it further as nuclear licensees are waiting to start the work and that focus should be on explaining the reasons for the choice of such scope.

One ENSREG Member (UK) asked in which way will the 1st Topical Peer Review process be officially launched, if it will be for example through an official declaration from ENSREG.

Regarding this question of containment/confinement, Mr Feron replied that basically three options were available to cope with this issue within WENRA TS:

- Option 1: current situation of the TS
- Option 2: concrete structures are included when they are the containment or when they protect the containment (i.e. the reactor building outer wall in most cases);
- Option 3 : concrete and steel containment structures are included;

Mr Feron explained that going to option 2 will not require a significant additional work and was already almost prepared whereas going to option 3 will require large work and have an impact of the peer review process itself as it could probably require creating a special group to address all aspects.

Several ENSREG Members and the ENSREG chairman expressed their support for selecting option 2 pointing out the difficulty to explain to the public why the scope of work of option one, which is too restrictive, has been chosen.

3.2. & 3.3 Result of the public consultation on the 2017 TPR ToR - TPR stakeholders engagement plan

Following the discussions on WENRA TPR TS, the floor was given to the WG1 chairman to present the last developments regarding the TPR Terms of References (ToR). The ToR has been submitted to a Public Consultation on the ENSREG website from the 1st August to the 30th September 2016. The results of this Public Consultation were discussed during the meeting and comments received from the IAEA, ENISS¹ and a group of NGOs² and others were included in the ToR and in the "TPR stakeholder engagement plan" which has been developed by WG3 for this TPR.

This "TPR stakeholder engagement plan" was presented during the meeting. It included several steps of interaction with the public through publication on the ENSREG website of national reports, questions/answers to the reports, peer review reports, and through publication of press releases, etc.

The EC thanked WG1 and WG3 for the work done and indicated that it agrees on most of the proposals made by both WGs but pointed out that using the experience gained during the EU Stress Tests shows that meetings with NGOS experts and the public should be organized:

- Before the start of the peer review workshop to explain the current progress of the process
- After the peer review reports have been endorsed by ENSREG (end of 2018 – beginning of 2019) to present and discuss the results of the TPR.

The ENSREG chairman proposed to organize a meeting with NGOs and their experts in May-June 2018 just before the start of the peer review workshop to discuss with them their comments and to be able to take them on board during the workshop.

A large discussion took place to solve in the best way the comments provided by NGO and in particular to address the question of participation of "independent experts" to the TPR review. It was clearly emphasized by several ENSREG Members that this future exercise is a "Peer Review" exercise.

To conclude the whole discussion on the TPR it was re-confirmed that ENSREG expects to approve the final versions of the TPR TS, ToR and stakeholder engagement plan before the end of January 2017.

¹ <http://www.eniss.eu/about-eniss.html>

² <http://www.joint-project.org/aboutus.htm>

The IAEA indicated that IAEA SALTO Missions are focusing as well on ageing management and that the IAEA stands ready to share experience in the frame of this TPR. This proposal was welcome as participation of the IAEA to the TPR workshop was already agreed. Mr Feron stressed that the WENRA TS requires national report to explain how IAEA safety standards and guidance are used to develop ageing management programmes.

ENSREG took the decision to:

Support the decision taken by WENRA to organise a Public Consultation on the TPR TS until the 30rd November 2016 and to incorporate the comments received before the end of 2016;

Go for option 2 regarding concrete structures to be covered by the TPR and to invite WENRA to finalise the TS in this way;

Not submit the "TPR stakeholder engagement plan" to a Public Consultation;

Approve the other WG1 and WG3 proposals regarding involvement of the IAEA, ENISS and NGOs in the TPR process but decided to add on top two workshops with NGOs experts and the public before the peer review workshop in spring 2018 and after the endorsement by ENSREG of the peer review report end on 2018;

Invite ENISS representative to participate as well to the two above mentioned workshops;

Launch a silence procedure in January 2017 to approve the final versions of the TPR TS, ToR and stakeholder engagement plan before the end of January 2017 and submit them to the Commission;

Request ENSREG members a formal nomination to participate on the TPR workshop, Chair, Vice-chair, board and experts. Candidatures have to be sent to WG1. According the ToR schedule TPR Board should be approved during next ENSREG Plenary meeting.

Review of the WG3 activities since previous meeting

[HLG_r\(2016-33\)_346 ENSREG Communication strategy_21_10_2016](#)

[HLG_r\(2016-33\)_347 ENSREG_WG3_10_November_2016](#)

The WG3 chairman reported on the work done since previous ENSREG meeting. The main points presented were:

- Communication Strategy Working Paper
- ENSREG Website (continuity, survey, etc)
- Status of pending documents "Current Community and International Law with relevance to Transparency" and "Review of the rulings of the ACCC (Aarhus Convention Compliance Committee) and the ECIC (Espoo Convention Implementation Committee)"

Regarding the communication strategy working paper, the main comment made during the meeting was that the communication should put a stronger focus on the work ENSREG is doing.

Regarding the ENSREG Website, the WG3 chairman outlined that the first objective should be to update the content, in particular the country specific information and to post on the ENSREG Website the survey questionnaire that has been already prepared.

Regarding the two WG3 pending documents, "Current Community and International Law with relevance to Transparency" and "Review of the rulings of the ACCC (Aarhus Convention Compliance Committee) and the ECIC (Espoo Convention Implementation Committee)", comments were made by some ENSREG Members. The decision of the last ENSREG meeting to keep these two documents as purely ENSREG internal documents and to not make them public was recalled. The ENSREG secretariat informed the ENSREG members that only one ENSREG Member (FR) commented the first document and that no comments were received for the second one. The EC has now prepared comments for both of them and will send shortly these comments to WG3.

ENSREG took the decision to

Take a final decision on the two WG3 pending documents during next ENSREG meeting in June 2017.

Improve the content of its website and decided to launch an on-line survey for website users before the end of 2016 to support this process.

4. Follow-up on key topics of the ENSREG WP 2016-2019 – Topic 1 (c) Safety Objectives

[HLG_r\(2016-33\)_357 WENRA Presentation to ENSREG - Timely Reasonably Practicable Improvement](#)
[HLG_r\(2016-33\)_358 WENRA Guidance on Article 8a of NSD - Final Draft for October WENRA Plenary](#)

The ENSREG chairman introduced the agenda point regarding Topic 1 of the ENSREG WP 2016-2019. Simon Thornhill on behalf of David Senior (UK) was invited to present the draft of the WENRA position paper on the question on “timely implementation of reasonably practicable safety improvements to existing nuclear power plants”.

ENSREG welcomed the significant progress made by the WENRA ad-hoc group with elaborating this position paper. According to the presentation the next steps for the development of this position paper foresee a final Draft of position paper for consideration and agreement at WENRA Spring Meeting 26th/27th April 2017, a submission of the paper to ENSREG Plenary around May 2017 and a publication in June 2017.

The EC thanked the ad-hoc group for the work done and reminded the audience that one year ago there was some reluctance within ENSREG to start the work on this topic but now this draft document exists and this is very positive. Regarding the substance of the document the EC requested clarification regarding the so called "second best" improvements and how this approach should be understood in case of LTO or sudden change in energy policy in one country which will result in extending the life of a NPP.

The EC requested ENSREG to take ownership of this document and informed the ENSREG Members about its intention to have exchanges in the coming weeks on the topic of the safety objective during bilateral meetings with the authorities of nuclear countries, and to organise a workshop/seminar with all EU Member States on the implementation NSD Safety Objective in early 2017.

The ENSREG chairman highlighted the very good quality of the document and proposed that WG1 and ENSREG Members review this document and provide comments before the end of 2016. The ENSREG chairman proposed also to organise a Public Consultation on this document from December 2016 to March 2017.

The ENSREG chairman highlighted that, before the final approval of this document, consultation with the NPP operators through ENISS was mandatory as, in the end; they will be the ones who will have to implement this WENRA approach.

One ENSREG Member expressed the view that there was no real time pressure to finalise the document. To the contrary the EC pointed out that there is time pressure and that this position paper will be taken into account (a) when forming the common Euratom/EU position during the 2017 IAEA Convention of Nuclear Safety and (b) by the Commission when establishing conformity of transposition of the amended Nuclear Safety Directive by the Member States.

Some discussions took place around the way to have the document finally approved by WENRA and ENSREG and the organisation of the Public Consultation.

ENSREG took the decision to:

Welcome the important progress made by WENRA ad-hoc group in the elaboration of a position paper on the question on “timely implementation of reasonably practicable safety improvements to existing nuclear power plants.

Invite WENRA to consult rapidly ENISS on the text

Invite WENRA to organise a Public Consultation on the text after ENISS consultation

Invite the WENRA ad-hoc group to propose a process for final approval by WENRA and ENSREG of this text with the target to have the paper approved by WENRA in April 2017 and submitted to ENSREG around May 2017 for a publication in June 2017

Request ENSREG WG1 and ENSREG Members to review this position paper and provide comments before the end of 2016.

5. WG2 Workshop on "Member State's lessons learned from notification of National Programmes and from reporting under the EC Directive 2011/70/Euratom"

HLG_r(2016-33)_359 ENSREG 33 - Agenda item 5 - report back WG2 workshop

The WG chairman presented the outcome of the WG2 Workshop on "Member State's lessons learned from notification of National Programmes and from reporting under the EC Directive 2011/70/Euratom" which took place in the UK from 25 to 27 October 2016.

The workshop allowed drawing some preliminary conclusions about the different role of the national programme in different EU Member State, the difference in legal status/function of the national programme in different countries, etc. It allowed as well identifying some areas for potential improvement regarding consistency of terminology, Key Performance Indicators, meaning of "significant changes" in national programme, etc.

The workshop was considered very positive and very useful by several ENSREG Members to prepare the revision of the guide document to develop the national reports or national programmes.

It was highlighted that a complete revision of the guide document should take also into account the outcome of the workshop on this topic that will be organised by the European Commission beginning of June 2017. ENSREG expects to discuss this guide document in its meeting of November 2017 and submit it to the Commission.

The EC thanks ONR for the organisation of the WS and highlighted the positive feedback received regarding this WS. The EC pointed out few issues still remaining, like the lack for the moment of detailed planning for IAEA ARTEMIS Missions in Europe even if all EU countries are supposed to host such peer review mission before end of 2023. This situation is completely different from IAEA IRRS Missions where a detailed planning exists.

The EC also replied in detail to the different questions /reflections mentioned by the WG2 chair in his slides.

ENSREG took the decision to:

Start the revision of the guide document to develop the national reports or national programmes but to wait for the outcome of the workshop that will be organised by the European Commission beginning of June 2017 to finalise the revision.

Discuss the revised guide document in its meeting of November 2017 and submit it to the Commission.

Review of the WG2 activities since previous meeting

HLG_r(2016-33)_360 ENSREG 33 - WG2 report back

The WG2 chairman reported on the work done since previous ENSREG meeting. The first point addressed was linked to the ARTEMIS peer review, which should take place in all EU countries before 2023, the collaboration with WG1 regarding IRRS and ARTEMIS Missions.

The second point was related to the collaboration of the ENSREG WG2 with the EC Decommissioning Funding Group (EC DFG). To respond to the remarks expressed by the WG2 chairman on the EC DFG several ENSREG members indicated that the DFG existed since 2006 and that the collaboration was important on topic like financing of decommissioning and waste.

The EC recalled the decision taken during ENSREG first meeting to outsource the work on financing aspects on waste to the DFG. The EC reminded the audience that the DFG is an established advisory group of the Commission and informed that to revive the work of the group, a first step was taken already in the last meeting (21 October in Luxembourg) when the group discussed to extend its scope of work to the funding of decommissioning and waste management. The Commission is preparing a package consisting of a draft Commission Decision establishing the DFG as expert group, the group's draft Rules of Procedure, and the group's draft Work Programme 2017 – 2018.

ENSREG took the decision to

Postpone temporarily the start of collaboration between WG2 and the EC Decommissioning Funding Group (DFG) on financial issues related to decommissioning, Spent Fuel & Radioactive Waste.

Review of the WG1 activities since previous meeting

HLG_r(2016-33)_354 WG1 Report to ENSREG33-rev1

The WG1 chairman focused his presentation on the planning of the IRRS Missions in Europe, the expected update in 2017 by Member States of their Stress Tests National Action Plan and the work associated to the INSC mid-term programme evaluation review (a sub-group of WG1 has been created for that purpose). He highlighted the need to look already now for a venue for the TPR workshop in spring 2018 and asked if the EC could already take care of it. He indicated as well that during the last WG1 meeting the Lithuanian representative presented an opinion paper on Ostrovets NPP.

Some discussion took place regarding how WG1 is supposed to interact with DG DEVCO in particular regarding this INSC Mid-term review. Clarifications were provided by ENSREG Members and by the EC. It was agreed that WG1 will comment, based on the work performed by the new TG (ex WG4), the INSC Mid-term report and report this comment to ENSREG during the next meeting.

The EC took the floor to inform the ENSREG Members that regarding Belarus and EU Stress Tests, Belarus having signed in 2011 the Joint Declaration on the participation in (voluntary) nuclear stress tests along the line of those conducted in Europe after the Fukushima accident, the Commission has been repeatedly urging the Government of Belarus to perform such stress tests as a matter of priority. In order to speed up the stress tests process implementation, a high-level visit of the competent Commission services to Belarus took place on 19-20 September 2016. In the framework of this visit, the Commission and Belarus representatives had an extensive exchange of views on nuclear safety and on the stress tests processes in the EU and in Belarus. However, no agreement was reached at that time regarding a clear time schedule for the implementation of the stress tests process and that the peer review. As soon as an agreement is reached, the EC will contact ENSREG Members to seek nominations to form an EU team of experts to perform the peer review based on the EU stress tests model. The organisation of this peer review has been included in the European Nuclear Safety Regulator group (ENSREG) Work Programme 2016-2019. On top of the peer review team the EC would expect to create a board to supervise the process and asked for potential candidate to this board.

ENSREG took the decision to

Recall all ENSREG members that Stress Tests National Action Plan are expected to be update in 2017 by Member States

Ask to EC to take care to reserve a venue for the TPR workshop in spring 2018

Request ENSREG WG1 to comment the INSC Mid-term report and report this comment to ENSREG during the next meeting

6. HERCA-WENRA approach follow-up - Workshop in Slovenia

HLG_r(2016-33)_342 Report on HERCA-WENRA Workshop 2016– ppt

HLG_r(2016-33)_349 Draft agenda seminar on Public Information in EP&R under the BSS Directive

HLG_r(2016-33)_350 Aarhus Convention and Nuclear Roundtable – EPR

P. Majerus (LUX) presented the outcome of the workshop on the HERCA-WENRA approach (HWA), which took place in Slovenia (Bled) 13-15 June 2016. This Workshop involved 80 participants from HERCA members, WENRA members, National civil protection competent authorities, International organisations (DG ENER, DG ECHO, ENSREG, IAEA, NEA) and resulted in fruitful exchanges and better understanding of the HWA, its recommendation and possible ways of implementation.

The EC recalled its strong support to the HWA approach and to the Luxembourg Presidency conclusions in the field of EP&R and reminded that these aspects will be closely looked at in the framework of the transposition

of the Euratom BSS directive. The EC informed the ENSREG Members that according to these Council conclusions the Commission is now supporting two Workshops/seminars on EP&R in the following weeks ("Aarhus Convention and Nuclear Roundtable 29-30 Nov 2016 in Luxembourg" and seminar "Addressing the Requirements on Public Information in EP&R under the BSS Directive (Articles 70 and 71)" - 1st December 2016 in Luxembourg).

7. ENSREG Conference 2017

[HLG_r\(2016-33\)_351 ITEM 8 -Conference ENSREG 2017](#)

[HLG_r\(2016-33\)_352 ITEM 8 -ENSREG Conference 2017 - org and budg aspects](#)

Frederic Joureau, the chairman of the conference Steering Committee, presented the status of preparation of the **ENSREG Conference 2017**, which dates have now been confirmed: **28-29 June 2017, Brussels**. Following proposals received from ENSREG members, the proposed composition of the Steering Committee for this conference is the following:

- Frederic Joureau (FR)
- Eva Grazer-Heilingsetzer (AUT)
- Liz Bibby (UK)
- Kaisa-Leena Hutri (FIN)
- Alfredo de Los Reyes (ESP)
- Ludivine Gilli (FR)
- Marko Kravos (COM)

The main forecasted topics of the conference were also presented. The conference should cover Waste Management, Long term operation of NPP's, Standardisation/harmonisation/licensing and how to deal with irregularities and CFSI (Counterfeit, Fraudulent and Suspected Items) in the supply chain. The targeted budget was presented as well.

Frederic Joureau highlighted the importance to strengthen the global dimension of the Conference by inviting representatives from the USA, China, Japan (shared concerns on supply chain), etc. He indicated also the wish from the EC to invite representatives from Iran.

[ENSREG took the decision to](#)

[Approve the Steering committee composition](#)

[Approve the general targeted architecture and content of the conference](#)

[Approve the targeted budget](#)

[Approve the importance to strengthen the global dimension of the conference by inviting representatives from non EU countries and in particular representatives from Iran](#)

8. Stress Tests in Armenia, Belarus, Turkey and Iran

[HLG_r\(2016-33\)_343 Armenia Stress Tests report executive summary](#)

The EC informed the ENSREG Members that the Stress Tests process in neighbouring countries registered tangible progress. A peer review took place in Armenia from the 20th to the 24th June 2016³. ENSREG was also informed about continuous contacts between the EC and the Belarussian authorities to ensure the implementation of a stress test process as soon as possible and confirmed its commitment to nominate EU experts to participate to these processes. The EC thanked the ENSREG Members for nominating in each case EU experts who have or will actively participate to these processes.

³ <http://www.ensreg.eu/armenia-stress-test>

9. AOB

HLG_r(2016-33)_362 Item 10 - RPV EPR FLA

HLG_r(2016-33)_363 Item 10 - Creusot and CFIS

The main point presented under this topic was regarding the anomalies discovered at the AREVA Le Creusot forging factory and more recently at Japan Casting & Forging Corp (JCFC) and the recent actions by ASN in the field. Two presentations were made by the ASN Chairman.

The ASN chairman indicated that the analyses performed by EDF at ASN's request since 2015 conclude that certain channel heads of the steam generators manufactured by Areva Creusot Forge but also by Japan Casting and Forging Corporation (JCFC), contain a significant carbon concentration zone which could lead to lower than expected mechanical properties.

Based on ASN request, EDF will shut down five reactors within 3 months to carry out additional inspections without waiting for the scheduled refuelling outage. At the present stage only one file was considered by ASN as presenting a safety concern (steam generator of Fessenheim-2) and therefore the reactor was shut down in a preventive manner.

The ASN chairman indicated that not only France but also other countries could be affected by the same problems and that AREVA should inform all its customers. He said that with the ongoing review at AREVA of all the files (and not only the "marked" ones) more "irregularities" in documentation are likely to be found. He highlighted that to cope in the future with such type of irregularities and CFSI (Counterfeit, Fraudulent and Suspected Items) the different types of audits and inspections (quality audits from manufacturer, inspection from ASN, etc.) will need to be adapted. ASN has taken contact with Korea and UK to work on this issue.

Some ENSREG Members and Observer (BE, UK, SW) have already published information on this topic on their websites during summer 2016 and some other members (SP, DE) indicated that they have received information from their licensees about such irregularities, that investigations were still ongoing but that for the moment no safety concerns were identified.

The ASN chairman also mentioned that ASN will soon submit an IRS file to the IAEA on this topic to share widely the information and that a workshop on the topic is forecasted next year in France.

The EC thanked the ASN Chairman for the transparency and the timely information provided on this topic and insisted on the importance to ensure regular information to ENSREG members on this issue.

ENSREG took the decision to

Continue to closely follow the results of the quality audits performed in the different forging factories in France or in Japan and the investigations ongoing in other EU and non EU countries on this topic.

10. Next meeting

ENSREG 34th plenary Meeting

27 JUNE 2017 in Brussels – just before the ENSREG 2017 Conference

Annex I
European High Level Group
on Nuclear Safety and Waste Management

33rd meeting of ENSREG

Agenda

10th November 2016 (09:30 – 18:00)

Room AB-1C, Albert Borschette building
36, rue Froissart, 1049 Brussels, Belgium

1. Opening of the meeting and Adoption of the agenda
2. Chairman's introduction and report
3. Topical Peer Reviews 2017
 - 3.1. WENRA presentation of the final version of the Technical Specifications of the 2017 TPR on "Ageing Management" [F Feron]
 - 3.2. Result of the public consultations - Discussions and approval on the process and technical content of the 2017 TPR [A Munuera]
 - 3.3. TPR stakeholders engagement plan [C. Housiadas]
 - 3.4 Review of the WG3 activities since previous meeting
4. ENSREG WP 2016-2019 – Topic 1 (c) WENRA ad-hoc group "on timely implementation of reasonably practicable safety upgrades" progress status- [S. Thornhil]
5. WG2 Workshop on "Member State's lessons learned from notification of National Programmes and from reporting under the EC Directive 2011/70/Euratom" [B Hedberg]
Review of the WG2 activities since previous meeting
Review of the WG1 activities since previous meeting
6. HERCA-WENRA approach – Presentation of the outcome of the June Workshop in Slovenia [P. Majerus]
7. ENSREG Conference 2017 [F. Joureau]
8. Stress Tests in Europe and abroad– Status of update of the NAPs, Stress Tests in Armenia, Belarus, Iran and Turkey
9. A.O.B. – Update of the Quality Audit of Areva "Le Creusot" - High carbon content in pressurized components
10. Next Meeting

Annex II

ENSREG 33rd Meeting Presence list

COUNTRY	SURNAME	NAME	COMPANY
AUSTRIA	Molin	Andreas	Federal Ministry of Agriculture, Forestry, Environmental and
BELGIUM	Bens	Jan	Federal Agency for Nuclear Control (FANC)
BULGARIA	Stanimirov	Borislav	Bulgarian Nuclear Regulatory Agency (BNRA)
	Katzarska	Lidia	
CZECH REPUBLIC	Krs	Petr	State Office for Nuclear Safety
DENMARK	Øhlenschlæger	Mette	Danish Health Authority
FINLAND	Tiippana	Petteri	Radiation and Nuclear Safety Authority (STUK)
FRANCE	Chevet	Pierre-Franck	Autorité de Sûreté Nucléaire (ASN)
	Joureau	Frédéric	
	Feron	Fabien	
	Louis	Aurélien	Ministère de l'Ecologie, du Développement Durable et de
	Bettinelli	Benoit	Ministère de l'Environnement, de l'Energie et de la Mer
FRANCE	Thevenot	Caroline	Représentation permanente de la France auprès de l'Union européenne
	Veteau	Lucie	
GERMANY	Kuhn	Sebastian	Federal Ministry for the Environment, Nature
GREECE	Housiadas	Christos	Greek Atomic Energy Commission (EEAE)
	Tafili	Vasiliki	
HUNGARY	Fichtinger	Guyla	Hungarian Atomic Energy Authority
ITALY	Laporta	Stefano	ISPRA, Institute for Environmental Protection and Research
	Cipriani	Nadia	

COUNTRY	SURNAME	NAME	COMPANY
IRELAND	McMahon	Ciara	EPA
LITHUANIA	Demčenko	Michail	State Nuclear Power Safety Inspectorate (VATESI)
LUXEMBURG	Majerus	Patrick	Ministry of Health, Luxemburg
The NETHERLANDS	van Aernsbergen	Lodewijk	Authority for Nuclear Safety and Radiation Protection (ANVS)
	Brugmans	Marco	
POLAND	Przybycin	Andrzej	National Atomic Energy Agency, Poland
PORTUGAL	de Sá Fanseca	António C.	Comissão Reguladora para a Segurança das Instalações
SLOVAK REPUBLIC	Turner	Mikulas	Nuclear Regulatory Authority of the Slovak Republic
SLOVENIA	Stritar	Andrej	SNSA
SPAIN	Munuera	Antonio	Spanish Nuclear Safety Council (CNS)
	Marti Scharfhausen	Fernando	
	de los Reyes	Alfredo	
SWEDEN	Persson	Mats	Swedish Radiation Safety Authority
	Carlsson	Lennart	
	Hedberg	Bengt	
ROMANIA	MOISII	Roxana	RPRO
UNITED KINGDOM	Savage	Richard	Office for Nuclear Regulation (ONR)
	Thornhill	Simon	
	Bibby	Liz	

Observers

NAME	SURNAME	COMPANY
Alper	Zafer	Turkish Atomic Energy Authority
Caruso	Gustavo	IAEA, Nuclear Safety and Security Department
Mattsson	Hakan	Norwegian Radiation Protection Authority
Wanner	Hans	Swiss Federal Nuclear Safety Inspectorate (ENSI)

European Commission

NAME	SURNAME	
Thomas	Gerassimos	Deputy Director General – DG ENER
Garribba	Massimo	Director – DG ENER
Klement	Stephan	Head of Unit D1 – DG ENER
Pascal	Ghislain	Policy officer/D1 – DG ENER
