

**Minutes of the Preparatory Meeting
on the EC-ENSREG Peer Review of the Taiwan NPP Stress Tests**

Time: Tuesday, 9 July 2013, 10:00 – 16:00

**Location: Taipei Representative Office in the EU and Belgium
37-40 Boulevard du Régent, 1000 Brussels, Belgium**

TECHNICAL ISSUES

NGO request of postponing the peer review

- Problem solved by means of the 8.7.2013 letter by the AEC-Chairman to the EC confirming the original schedule for the Peer Review (PR).

Relation of peer review team to Taiwanese regulator (AEC) and NGOs

- The only cooperation partner for the PR-team ("EU") is AEC; other stakeholders (e.g. NGOs) are, however, important to provide the EU team with complementary views on the original set of information provided by AEC.

Confirmation of process to be applied (*ENSREG specifications, Desktop review, Topical drafts, peer review of regulator's actions triggered by the Fukushima Accident, Country report, EC Press Release*)

- The 2012/13 Taiwan (TW) Stress Tests (STs) and subsequent PRs are – for good reasons – not simply a copy of the 2011/12 EU STs/PRs. – Key differences are: (1) The country visit to TW is 2-weeks and thus likely to be deeper than the 02/2012 Luxembourg country review seminar and the subsequent 03/2012 3-days country visits as undertaken in the course of the EU-STs. (2) Following continuous improvement of the original STs-process and adaptation to local conditions, the scope of the TW-STs has been adapted/extended (e.g. inclusion of volcanism, tsunamis); (3) Due to organizational (not least geographical) reasons, the TW-PR-process has slightly been adapted, e.g. a longer country visit rather than a preceding country review seminar, etc.
- Security aspects: Following the EU STs, it has been decided that the TW-PR will not deal with security aspects, including impact of accidental or deliberate air crash on NPPs. Such scenarios are out of the scope of the STs and national TW responsibility. It was confirmed by AEC that TW implemented US regulation post-9/11.
- **Action TW:** AEC will provide EU before 31.7. with a document summarizing the actions for improvement resulting from the STs which have already been implemented or are planned for future implementation.
- **Action EU/TW:** EU will send on 9.7. today's presentation slides for comments to AEC and all PR team members and upload the accordingly finalized slides on the ENSREG project website.

Confirmation of information sources to be used (*Final national report, AEC answers to questions of reviewers, list of regulator's actions triggered by the Fukushima accident – "action plan"*)

- In the meantime, AEC has received questions from all reviewers except from one from Topic 2. – **.....** to provide AEC with this pending set of questions by 16.7.

- EC recommends to publish all questions from all reviewers to AEC as soon as possible on the ENSREG project website together with the input received so far from the NGOs.
Action TW: AEC will confirm its corresponding position and inform EU on its decision by 16.7. Afterwards, EC will contact NGOs if they agree to have their own comments published as well on the ENSREG project website.
- **Action TW:** AEC will send before 31.7. an official invitation to the NGOs to participate in the "Meeting with NGOs" scheduled for 25.9. and put the EU-team in copy.
- **Action all-EU-team:** to propose by 16.7. to – if considered necessary – possible additional topics for the "Earthquake and Tsunami Risks in Taiwan" seminar scheduled for 26.9.
- **Action EU:** On this basis, EU to inform AEC on the final list of seminar topics for the final seminar planning by AEC (invitation of appropriate Taiwanese scientists, etc.).

Adoption of extended template for the Country Report

- The Country Report Template has been presented, discussed and agreed-upon (see document "Template Country Report Taiwan", Version: 2013-06-18).
- Regarding impact from external events, seismic, tsunami and volcanism has been discussed. It was noted that particularly in the field of the treatment of tsunamis from a risk perspective, there are still significant scientific uncertainties in methods and data.
- **Action EU:** will send AEC by 23.7. the draft Chapters 1-2-3 of the Country Report. This draft will highlight those parts for which further information is needed from AEC.
- **Action TW:** AEC (via TPC) will provide EU by 31.7. with a document on treatment of volcanism (Chapter 5.4 of the Country Report).
- **Action TW:** AEC will provide EU by 31.7. with a table on the implementation of national actions post-Fukushima (Chapter 8 of the Country Report).

Additional documents to be prepared by AEC for additional chapters of the template, (*commitment that the Taiwanese stress tests comply with the ENSREG stress tests, transparency of the exercise and public involvement in Taiwan, list of regulator's actions triggered by the Fukushima accident – "action plan", document to implementation status of actions*)

- **Action TW:** AEC will provide EU by 15.7. with document describing TW-transparency actions performed so far in the course of the STs (e.g. publication of Chinese reports, meeting with NGOs, etc).
- Rest: see above.

Difference to NEA Review

- According to AEC, there are two main differences between NEA-PR and EU-PR: (1) EU-PR is likely to be more transparent. (2) EU-PRs have AEC as single partner, while NEA also had dedicated meetings with operator.

NPP site visits

- **Action TW:** To prepare for the forthcoming site visits, AEC will provide EU by 15.7. with the presentation given by AEC to NEA and ask for EU comments on its adequacy for the purpose of the EU-PRs.
- **Action TW:** AEC will send an email to EU-team specifying access conditions and information requirements to sites.
- **Action TW/EU-team:** AEC will send an email to EU-team specifying those persons from

EU-team from which passport copy has not yet been received.

NGOs – Questions from the public (*from the public consultation by EC/ENSREG (in English) and from the national public consultation (in Chinese)*)

It has been decided that all questions arriving to EU-team in Chinese will be sent to AEC. AEC will group these questions according to thematic issues addressed and make a short English summary of them for the EU-team.

Transparency (*additional ENSREG website – what shall be posted there? How to deal with important questions and answers? How to deal with important statements of NGOs and the replies hereon?*)

In addition to above: According to the “*DIRECTIVE 2003/4/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 28 January 2003 on public access to environmental information and repealing Council Directive 90/313/EEC*” data mentioned in article 4 will be deleted before publishing a document on the ENSREG project website.

Roles & responsibilities of team members before, during and after peer review

It has been confirmed by all participants that all EU-team members shall act before, during and after the PR as a team.

Final product of peer review

It has been confirmed that the final product of the PR consists of the Final Country Report, a final draft of it will be handed over at the exit meeting, the final version will be sent by the EC to AEC within 1 month after the exit meeting and then also be put on the ENSREG project website. A possible Press Release by AEC after the exit meeting would consist only of a description of the PR-process that took place, but not include any results. Only after the final version of the Country Report has been issued, a possible Joint EC-TW Press Release could be published which could then also include a summary of key results.

Actions & deadlines (*public consultation, questions of reviewers and written answers of AEC, other additional documents of AEC, first topical drafts, final topical drafts and first compilation of a country report*)

See above.

ORGANISATIONAL ISSUES

Regulatory functions in Taiwan (*legal framework, competences for setting nuclear rules and guidelines, responsibilities for licensing and oversight, enforcement competence and power of AEC in respect to state-owned TPC, background and motivation to stress tests*)

A detailed presentation has been given by AEC followed by a discussion especially on the possible reorganisation of the regulator with regard to increased independence (decided in principle already in 2010 as part of a general governmental reform).

Overall timing of peer review

- **Action TW:** AEC sends to EU by 15.7. the TW-PR-milestones document as presented by AEC for upload on the ENSREG project website.
- **Action EU:** EU will inform AEC by 15.7. with a proposal on which additional files should

be uploaded on the ENSREG project website. Examples are: Exchange of letters between AEC and EC, Agenda of today's meeting, EU-presentation slides of today, TW Country Report Template, Questions received by AEC from EU-team (see above condition), Comments received by EU from NGOs (see above), selected Email communications considered important, etc.

- Rest: see above.

Infos on team's travel and stay

Flight times and accommodation infos have been discussed/confirmed.

Country infos

Information on local conditions of travel and stay has been given by AEC.

Reimbursement

Conditions of Terms of Reference have been confirmed by AEC.

Next Steps/Actions

In addition to the above:

- **Action EU:** EU sends by 31.7. first draft of each of the 3 draft Topical Reports to AEC.
- 5.8.: end of public consultation.
- **Action EU:** EU finalizes by 20.8. each of the 3 Topical Reports.
- **Action EU:** EU sends by 5.9. first draft of TW Country Report to AEC.