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BATAN
PUSDIKLAT

Pilot Education and Training Review Service in Indonesia

Outline:

Introduction

Preparation

Expert Mission

Self Assessment

Peer review

Conclusion

Introduction

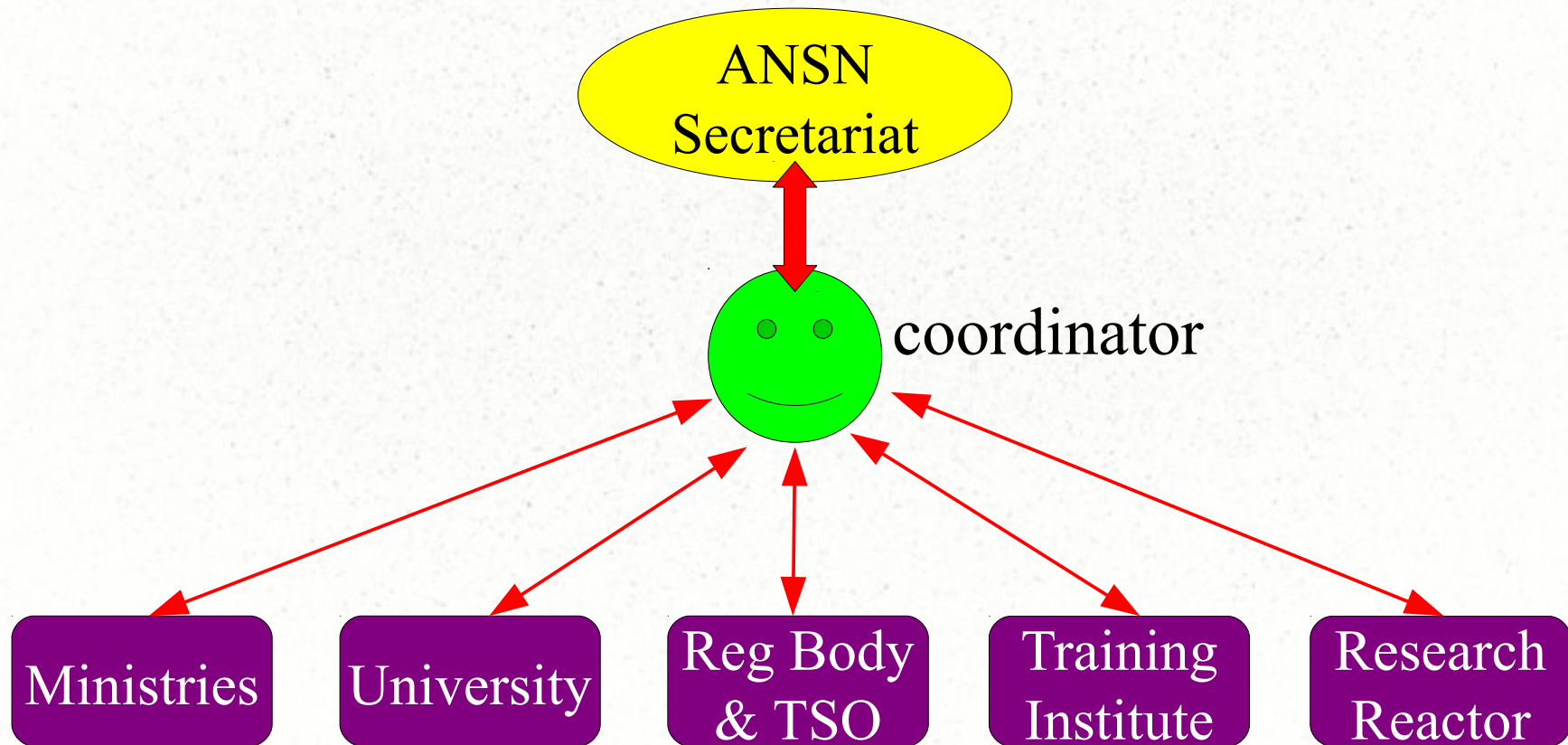
- Draft document of ETReS (Education and Training Review Services) had been discussed for some years.
- In the 2011 annual meeting of ANSN – ETTG, Indonesia voluntary will conduct the self assessment on education and training in nuclear safety based on that draft ETReS document, and was agreed by all participants to be conducted in 2012.

Introduction

- To review whether Indonesia develops and maintains a sustainable and adequate E&T program in nuclear safety consistent with IAEA safety standards and international good practices, with due recognition to national conditions.
- Related activities to be taken by Indonesia:
 - Preparation
 - Expert Mission
 - Self Assessment
 - Peer Review

Preparation

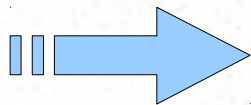
Who is the coordinator and who will be the host, the scope, stake holder to be reviewed, etc ?



Preparation

February – March 2012

- Coordinator: Center for Education and Training – BATAN
- Scope: all (even no NPP)
- Stakeholders: Ministry of Science and Technology; Ministry of Energy; Bapeten; PTRKN; UGM; UI; ITB; PoINT; Research Reactors; Pusdiklat



Counterpart of each institutions

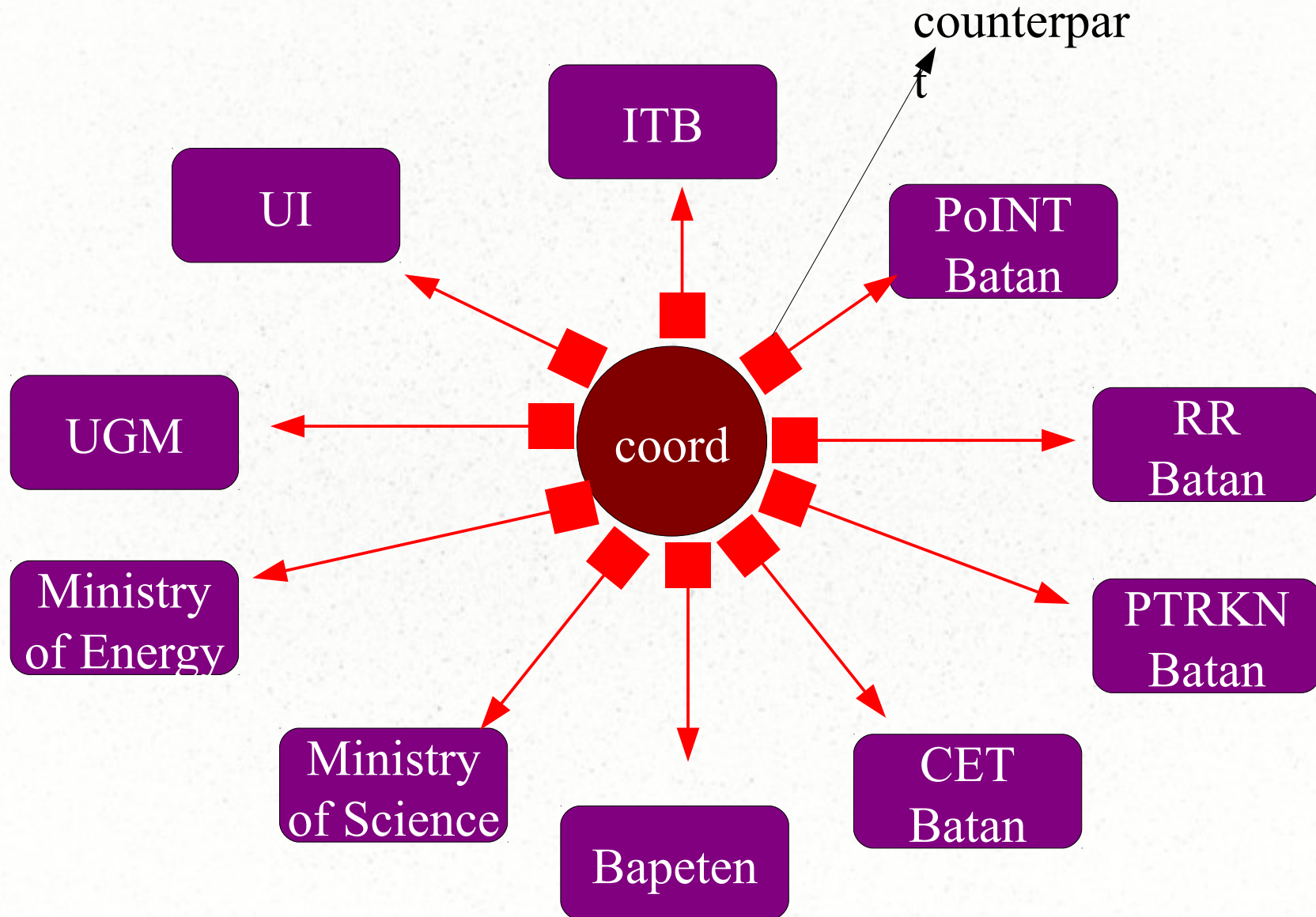
Expert Mission

- Mr. Ramon Revuelta Alonso
- 9 ~ 13 April 2012, at Center for Education and Training – BATAN
- to present the ETPRES guidelines, assist in preparing the self-assessment, and decide the scope for the ETPReS pilot mission in June.
- representatives of each institution that will be involved in the self assessment were invited and attended the meeting.

Expert Mission



Self Assessment



Self Assessment

- description of the questionnaires were developed more freely in Indonesian language and distributed before the self assessment conducted.
- each counterpart, the representatives who attended the expert mission and other related personnel have a meeting to fill the questionnaire
- the institute complete the questionnaires and necessary supporting documents, and sent them to coordinator by the end of May.

Self Assessment

- Coordinator recapitulated all of the documents and developed the advance document.
- The advance document was sent to the ANSN secretariat at 31 May 2012.

Peer review

- Peer reviewer:
 - Ms. Maria Moracho Ramirez (ANSN)
 - Mr. Alexey Kazennov (Austria)
 - Mr. Ramon RevueltaLapique (Spain)
 - Mr. Kim Jong Kap (Korea)
 - Ms. Rabiah Abu Hassan (Malaysia)
 - Mr. Nguyen TrungTinh (Vietnam)
- 26 ~ 29 June 20012
- Center for Education and Training – BATAN
- All of representatives and ANSN SC member were attended the review meeting.

Peer review



Peer review

Institutions	Good Practice	Recommendation
Government level	1	4
University and Training Institutes	2	8
Regulatory Body	3	8
Research Reactor	4	7
Nuclear Power Plant	1	6

Conclusion

- The pilot review on education and training activities in nuclear safety was conducted without any significant problem.
- However, since the scope of assessment is very wide, the networking between coordinator and the involved institution was very crucial point.
- Resources (personnel, time, fund) should be available to conduct this self assessment.

Conclusion

- Some adjustments on the questionnaire were necessary to suit the domestic conditions, including the additional explanation in local language.
- The questionnaires in each appendix should be evaluated since there are inconsistency, duplication (similar question), or misplace.
- The reviewers should have a same or common perception on the questionnaires.

Conclusion

- The self assessment and followed by the peer review is very beneficial for the reviewed institutes to aware on their weaknesses and opportunity to improve.
- The recommendations (output) of the review mission should be followed up by the host and a lesson learnt for other ANSN member countries.
- The review on education and training activities in nuclear safety should be conducted regularly, once in three ~ five years.

Thank you