

Unregistered version, please register. www.word-pdf-convert.com

Nuclear Energy Regulatory Agency of Indonesia

BADAN PENGAWAS TENAGA NUKLIR **(BAPETEN)**



JL. GAJAH MADA No. 8 JAKARTA 10120



Country Presentation

Unregistered version, please register. www.word-pdf-convert.com

Site Evaluation BAPETEN Current Status

Eka Sapta Riyana
Zulkarnain Sukri
Anggoro Septilarso





Presentation Outline

Unregistered version, please register. www.word-pdf-convert.com

Introduction

Regulation

SRP (Standard Review Plan)

Working instruction for site inspection

Activity to face NPP Site Evaluation



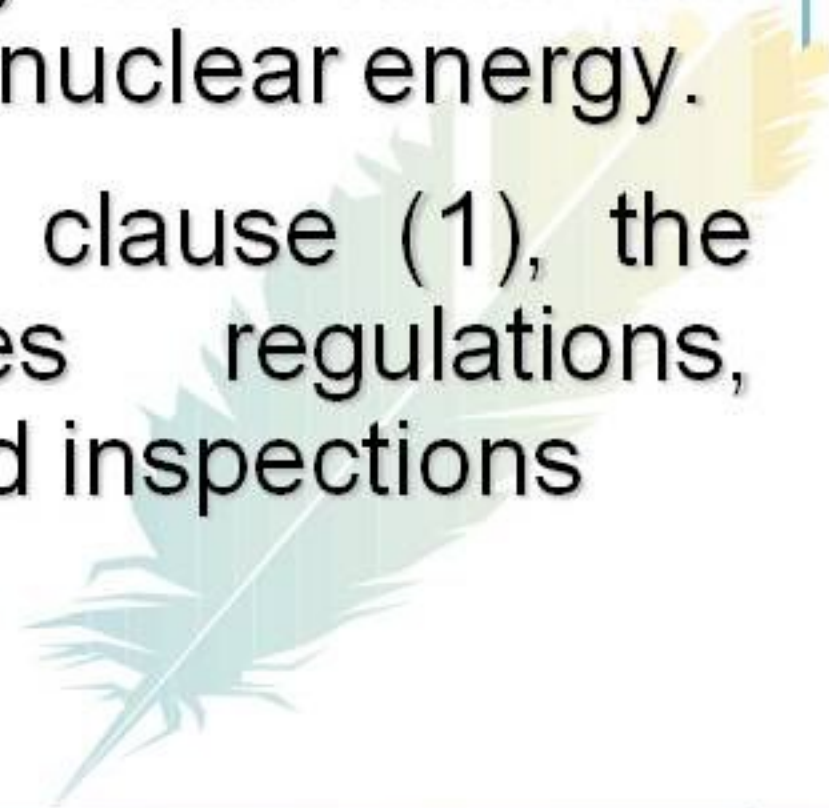


Introduction

Unregistered version, please register. www.word-pdf-convert.com

Article 4, Act No 10/1997 on Nuclear Energy:

- (1) The government establishes a Regulatory Body, under and directly responsible to the President. The Regulatory Body shall have the task to control any activity using nuclear energy.
- (2) To accomplish the task under clause (1), the Regulatory Body establishes regulations, conduct licensing processes and inspections





Introduction (continued)

Unregistered version, please register. www.word-pdf-convert.com

- To Implementation of the Act No. 10, 1997 on Nuclear Energy, it is necessary to establish a Government Agency, which shall have the task to control the operation of the utilization of nuclear energy in Indonesia.
- Presidential decree of the Republic of Indonesia Number 76, 1998 on The Nuclear Energy Regulatory Agency, stipulated in Jakarta on May 8, 1998.





Introduction (continued)

Unregistered version, please register. www.word-pdf-convert.com

Presidential decree of the Republic of Indonesia Number 76, 1998 on The Nuclear Energy Control Board.

Article 1:

- (1) The Nuclear Energy Regulatory Agency that is for this Presidential Decree herein after called BAPETEN is a Non-Departmental Government Agency that is under the supervision and responsible directly to the president.
- (2) BAPETEN is lead by a chairman.



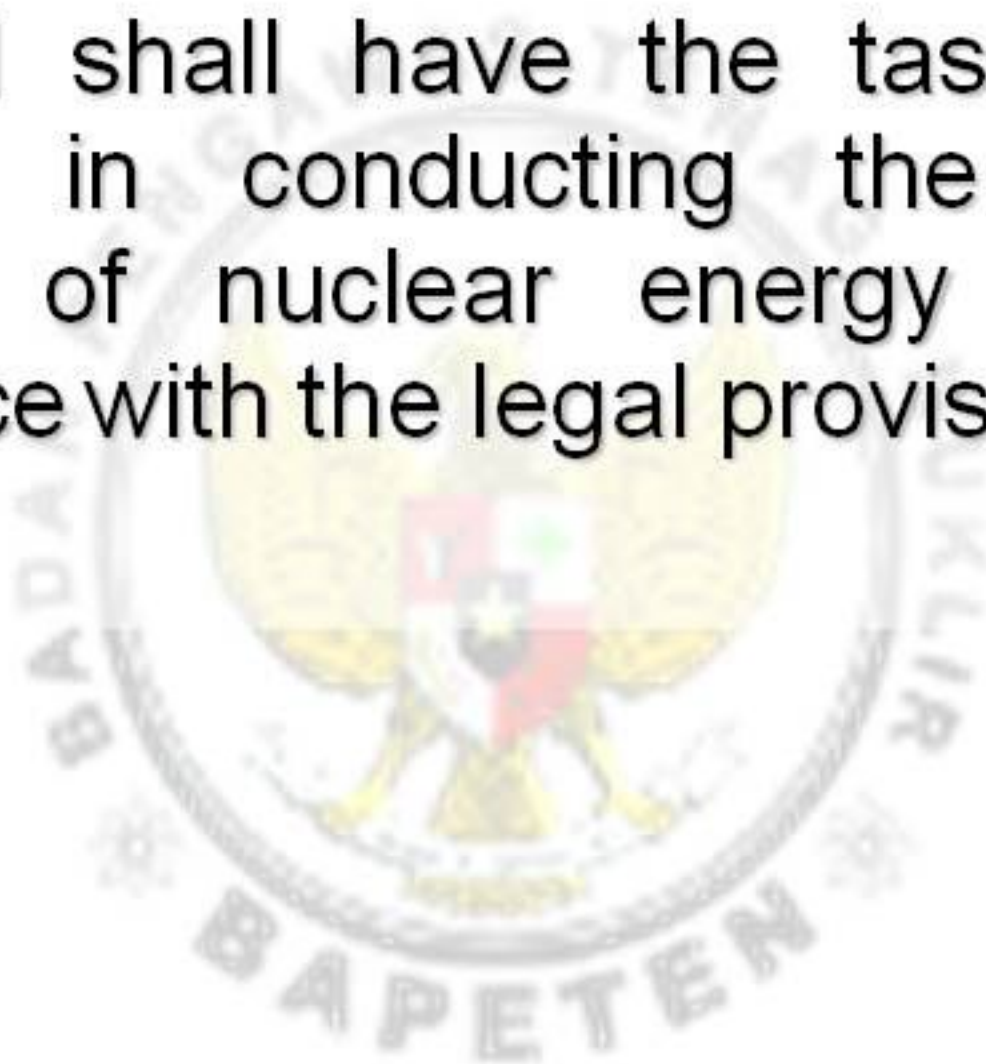


Introduction (continued)

Unregistered version, please register. www.word-pdf-convert.com

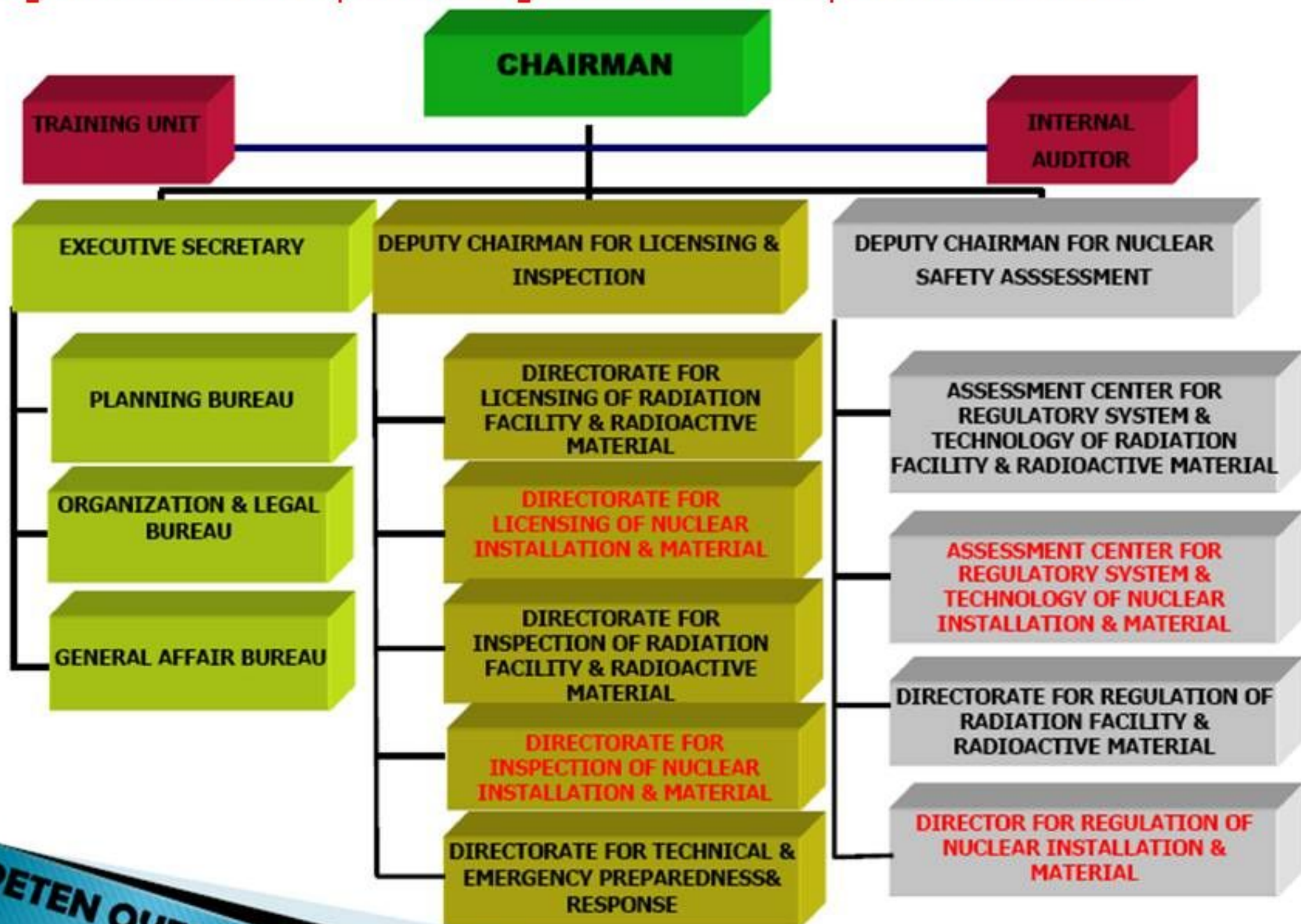
Article 2:

BAPETEN shall have the task to support the President in conducting the control of the utilisation of nuclear energy in Indonesia in accordance with the legal provisions.



ORGANIZATION STRUCTURE OF BAPETEN

Unregistered version, please register. www.word-pdf-convert.com





Regulation

Unregistered version, please register. www.word-pdf-convert.com

Act No 10 1997 on Nuclear Energy

Government Regulation No. 43/2006 on Licensing of Nuclear Reactors

BAPETEN Chairman Regulation (BCR)

No. 5/2007 on Provision for Site Evaluation of Nuclear Reactor (NS-R-3)

No. 1/2008 on Power Reactor Site Evaluation : Aspects of Seismology (NS-G-3.3)

No. 2/2008 on Power Reactor Site Evaluation : Aspect of Volcanology (PSSS No.1)

No. 3/2008 on Power Reactor Site Evaluation : Aspect Dispersion of Radioactive Material in Air and Water Consideration of Population Distribution (NS-G-3.2)

No. 4/2008 on Power Reactor Site Evaluation : Aspect of Geotechnic and Foundation (NS-G-3.6)

No. 5/2008 on Power Reactor Site Evaluation : Aspect of Meteorology (NS-G-3.4)

No. 6/2008 on Power Reactor Site Evaluation : Aspect of External Human Induced Events (NS-G-3.1)

Draft BCR on Power Reactor Site Evaluation : Aspect of Flooding (NS-G-3.5)



Standard Review Plan

Unregistered version, please register. www.word-pdf-convert.com

- SRP for Seismic and Geotechnic Aspect
- SRP for Volcanic Aspect
- SRP for Meteorological Aspect
- SRP for Dispersion and Population Distribution Aspect
- SRP for Human Induced Event Aspect
- SRP for Hydrological Aspect
- SRP for Quality Assurance





Procedure for NPP Inspection during Site stage

Inspection Manual for NPP during Site Stage (based on 2007 and 2008 BCRs and Draft BCR regarding Site Evaluation)





Working instruction for site inspection

Unregistered version, please register. www.word-pdf-convert.com

Done :

Radioactive Material Dispersion Aspect

Seismic Aspect

Volcano Aspect

Geotechnic and Foundation Aspect

Meteorology Aspect

Hidrology/Flood Aspect

Human Induces Event Aspect

In Prosses : Management System





Activity to Face NPP Site Evaluation

Unregistered version, please register. www.word-pdf-convert.com

2006 : Procedure for the Review of Site Permit Application Documents for NPPs

2007 : SRP for Site Licensing Review of NPPs (based on US-NRC RS-002, "Processing Applications For Early Site Permits", minus Ice Effect) (26 parts)

2008 : NPP Site Licensing Review Exercise (Site Safety Analysis Report for Clinton NPP Early Site Permit rev. 4)

Workshop on Technical Advice for the Preparation of Licensing Document of NPP Siting

2009 : Revision of SRP for Site Licensing Review of NPPs (follow the Licensing Process in GR No.43/2006 on Licensing of Nuclear Reactors) Consist of 3 Sub SRP :

- SRP for the Review of NPP Site Evaluation Program
- SRP for the Review of NPP Site Evaluation QAP
- SRP for the Review of NPP Site Evaluation Report (based on 2007 and 2008 GRs and Draft GR regarding Site Evaluation) (7 parts)

2010 : Technical Guide for NPP Applicants on how to perform Site Evaluation and propose for Site Permit.



2011 :

Internal Workshop for OJT Preparation :

- Siting Requirements Workshop (US-NRC Expert)
- Workshop on Review and acceptance criteria for NPP site licensing

Site Evaluation OJT

- USA (Aspect of Geotechnic, seismic and Human induced event)
- Canada (Aspect of Dispersion and meteorology)

Plan for 2012

- Japan
- Korea
- USA





Thank You

Unregistered version, please register. www.word-pdf-convert.com

