

Asian Nuclear Safety Network Education and Training Topical Group
Regional Workshop on the Management of Training Systems for Nuclear and Radiological
Safety

14-18 November 2022

PNRI, Manila, Philippines

CASE STUDY WG2 FOR LICENSING SPECIALIST OF RADIATION FACILITIES AND ACTIVITIES

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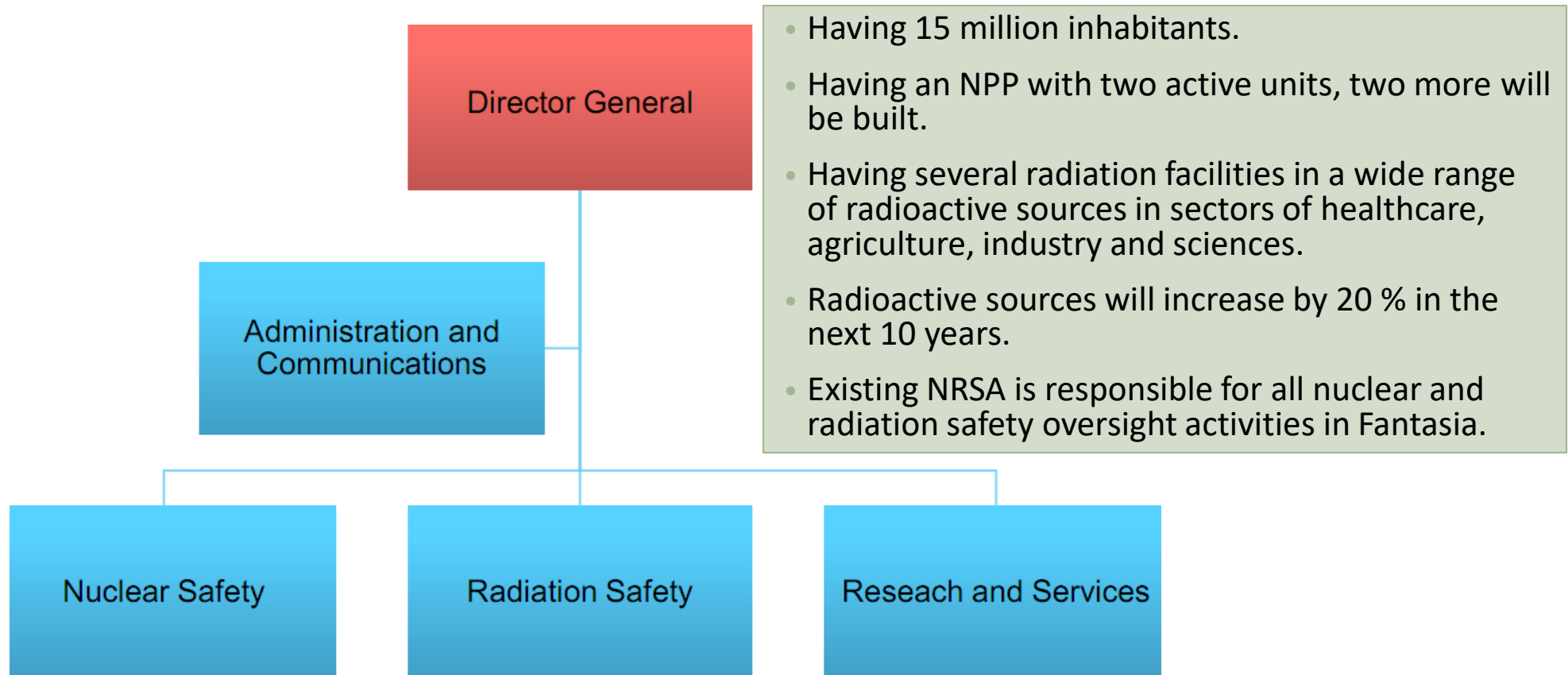
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WG2



RB Background of Fantasia



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TRAINING MANAGEMENT AT THE REGULATORY BODY OF FANTASIA

WG2



Stage 2: Training Needs and Program Design

Training Modules Needed:

Title of Training Module / Activity	Learning Objective (as per design document)	Duration of Module / Activity	Training method(s)	Type of training material / aids required	Type of training facilities required	Methods for evaluating initial effectiveness
Introduction of the Regulatory Functions	To give general overview and understanding on all regulatory tasks and functions To build teamwork and work relationship among the division of NRSA of Fantasia	4 days	blended learning (classroom and group activities)	lectures, presentations with powerpoints, team building aids, video lecturers, facilitators	classroom hall, outdoor area	survey form (no test)
Basic Training Course on Radiation Protection	To equipped the officer with the competences related to the radiation protection and safety	3 weeks	blended learning (classroom, case study, self learning, practical exercises and facility visit)	lectures, presentations with powerpoints, videos, lab practical handouts, LMS lecturers, facilitators	facility visit, radiation technical equipments, laboratory, classroom	pre and post test, report writing, survey form
Basic Professional Training Course on Radiation Safety	To give in depth understanding on radiation safety	1 months	blended learning (classroom, case study, self learning, practical exercises and facility visit)	lectures, presentations with powerpoints, videos, lab practical handouts, LMS lecturers, facilitators	facility visit, radiation technical equipments, laboratory, classroom	qualification examination, report writing, project work, survey form

Stage 2: Training Needs and Program Design

Training Modules Needed:

Title of Training Module / Activity	Learning Objective (as per design document)	Duration of Module / Activity	Training method(s)	Type of training material / aids required	Type of training facilities required	Methods for evaluating initial effectiveness
Refresher Training Course on Radiation Protection	To refresh the competences related to the radiation protection and safety	3 days	blended learning (classroom and table top exercise)	lectures, presentations with powerpoints, lecturers, facilitators,	classroom	presentation delivery, report writing, survey form
Advance Training Course For Licensing Specialist	To increase specific competence related to licensing functions	2 weeks	blended learning (classroom, case study, self learning)	lectures, presentations with powerpoints, lecturers, supervisors	classroom	pre and post test, presentation delivery, report writing, project work, survey form,
On-The Job Training For Licensing Specialist	To develop KSA and experience relevant to licensing process	2 months	shadowing, mentoring and coaching	supervisor, project work, learning materials	laboratory/facility	presentation delivery, project work, report writing, survey form
Leadership and Management Training For Radiation Safety	To develop leadership and management competence related to radiation safety	1 weeks	Lectures, case study and discussion, role play exercise	lectures, presentations with powerpoints,	classroom	presentation delivery, report writing, survey form

Initial Training

Refresher Training

Advanced Training

WG2



Stage 2: Training Needs and Program Design

Training Modules Needed:

Title of Training Module / Activity	Target participants/ required result	Qualification of participants	Qualification of trainers	Need for refresher Course
Introduction of the Regulatory Functions	new employee (0-3 years)	No	<ul style="list-style-type: none"> • minimum 6 years experience or line managers • has participated in ToT (expected) 	No
Basic Training Course on Radiation Protection	new employee (0-3 years):	No	<ul style="list-style-type: none"> • minimum 10 years experience • has participated in ToT (compulsory) 	refresher course every 5 years
Basic Professional Training Course on Radiation Safety (BPTC)	<ul style="list-style-type: none"> • new employee (0-3 years) • should pass training examination 	<ul style="list-style-type: none"> • science and engineering background • already finished Basic Training Course on Radiation Protection 	<ul style="list-style-type: none"> • can be internal or external trainee • minimum 10 years experience in regulatory department (for internal trainee) • has participated in ToT (compulsory for internal trainee, expected for external trainee) 	<ul style="list-style-type: none"> • have to repeat the training if previously failed • refresher course minimum after 6 years
Refresher Training Course on Radiation Protection	all employee (compulsory for regulatory department, expected for supporting department)	already finished Basic Training Course on Radiation Protection	<ul style="list-style-type: none"> • minimum 10 years experience • has participated in ToT (compulsory) 	

Initial Training

Refresher Training

Advanced Training

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Stage 2: Training Needs and Program Design

Training Modules Needed:

Title of Training Module / Activity	Target participants/ required result	Qualification of participants	Qualification of trainers	Need for refresher Course
Advance Training Course for Licensing Specialist	<ul style="list-style-type: none"> 5-10 years employee from licensing department 	<ul style="list-style-type: none"> science and engineering background already finished and successfully pass the examination of BPTC 	<ul style="list-style-type: none"> can be internal or external trainee minimum 5 years experience in licensing department (for internal trainee) has participated in ToT (compulsory for internal trainee, expected for external trainee) 	refresher course every 5 years
On-The Job Training For Licensing Specialist	<ul style="list-style-type: none"> 5-10 years employee from licensing department 	<ul style="list-style-type: none"> science and engineering background already finished and successfully pass the examination of BPTC already finished Advance Training Course for Licensing Specialist 	<ul style="list-style-type: none"> external supervisor minimum 10 years experience in licensing (expected from supervisor) 	No
Leadership and Management Training For Radiation Safety	<ul style="list-style-type: none"> minimum 5 years employee (for employee that is considered as potential leader); or experienced employee in one of regulatory department (more than 7 years) 	<ul style="list-style-type: none"> science and engineering background already finished and successfully pass the examination of BPTC 	<ul style="list-style-type: none"> can be internal or external trainee minimum 5 years experience in regulatory department or middle manager (for internal trainee) has participated in ToT (compulsory for internal trainee, expected for external trainee) 	refresher course minimum after 6 years

Initial Training

Refresher Training

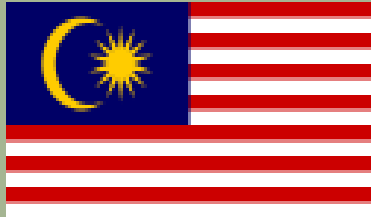
Advanced Training

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Terima kasih



Salamat



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