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KOREA NUCLEAR INTERNATIONAL
COOPERATION FOUNDATION



Performance Indicators for RCA MTS Final Review

PI 3.3 Required physical resources, nuclear and associated
infrastructure available for the full implementation of the RCA activities

**THE NINTH MEETING OF THE WORKING GROUP ON
RCA MTS COORDINATION**

21 July - 23 July 2021

Seoyeong Jeong

Result of Mid–Term Review (18th Sep 2020)



No.	Performance Indicators	Target Criterion	Time Periods Considered	Quantitative Result	Achieved Performance Level
3.3	Required physical resources, nuclear and associated infrastructure available for the full implementation of the RCA activities	RRUs or in-country facilities are available and used to meet the requirements of RCA Projects for every GP	2020/21 project cycle	<p>(1) 12 PPFs out of a sample of 53 from 5 RCA GPs (22%) did not contain information on the support that can be provided to other GPs in project implementation.</p> <p>(2) The levels of support indicated in most PPFs were intermediate or basic and may not be adequate for implementation of the project activities.</p>	<p>Adequate (Based on the percentage of GPs (78%) that provided information on the support that can be provided to other GPs for project implementation)</p>

(Comments by PAC)

- Alternative indicators suggested; (1) the number of GPs with necessary infrastructure to implement the projects they are participating in, (2) the percentage of planned regional activities that were conducted in the RCA GPs, (3) the percentage of experts that were recruited from RCA GPs
- Also, RCA NRs should ensure the PPFs and Progress Reports submitted by the NPCs are complete and accurate. The NRs of LCs should ensure the quality and accuracy of the PPARs submitted by the LCCs.

MTSC WG Guideline for PAC on 2020 Mid-term Review



No.	Performance Indicators	Target Criterion	Time Periods Considered	Quantitative Result	Achieved Performance Level
3.3	Required physical resources, nuclear and associated infrastructure available for the full implementation of the RCA activities	RRUs or in-country facilities are available and used to meet the requirements of RCA Projects for every GP	2018/19 project cycle	(1) 100% of RRUs or in- country facilities are available and used to meet the requirements of RCA Projects for every GP (note limited sample size).	Excellent

(Comments by MTSC WG)

- A challenge encountered was that PPFs were not submitted correctly, in full, or on-time.
- Further actions were required for implementation such as (1) requiring GPs to ensure complete submission of PPFs with accurate information for all projects started in 2020/2021, (2) review PPF for usability, (3) first review meetings for projects should discuss how to effectively utilize RRUs.

Table of Comparison



MTSC WG Guidance for PAC on 2020 Mid-term Review		Mid-Term Review(PAC)
Time Periods Considered	▪ 2018/19	▪ 2020/21
Performance Level	▪ Excellent	▪ Adequate
Quantitative Results	▪ 100% of RRUs or in- country facilities are available and used to meet the requirements of RCA Projects for every GP.	<ul style="list-style-type: none"> ▪ 12 PPFs out of a sample of 53 (22%) did not contain information on the support that can be provided to other GPs in project implementation. ▪ The levels of support indicated in many of these PPFs were intermediate or basic, which may not be adequate for project implementation.
Limitation	▪ Small sample size (only 16 PPFs submitted and even some were not properly completed)	▪ -
Comments	<ul style="list-style-type: none"> ▪ Review PPF for usability ▪ Discuss ways to effectively utilize RRUs 	▪ Alternative indicators should be considered
Comments in Common	▪ GP s should ensure complete submission of PPFs with complete and accurate information for all projects.	

Recommendations (1)



I. Ensure complete submission of PPFs

- Current PPF may confuse users due to its complexity and overlapping questions. Thus, specific guidelines should be prepared or the tables should be revised into a simpler form in order to ensure complete submission of PPFs.

PART 2 Availability of your GP to Provide Support to other Government Parties

Part 2 must be completed by the GP's National Representative.

A Regional Resource Unit (RRU) is an organisation in one GP that provides services or support to other GPs to assist their implementation of a specific RCA project. The RRU concept was introduced to increase Technical Cooperation among Developing Countries (TCDC) and to enhance the ownership of GPs in the RCA Programme.

By their nature RRUs will be located generally within a national organization, normally a National Nuclear Research Institute (NNRI), and will contain well-established expert groups, having high quality capabilities and able to exercise a leadership role in RCA projects. Government Parties may volunteer such appropriately qualified units to be RRUs.

In the following sections please indicate whether your country has the potential and capabilities to contribute to the implementation of this project as an RRU. If you respond positively, provide the name and contact details of a relevant contact person so that the LCC, the IAEA TO and RCA FP can then develop further how this offer of support may be integrated into the project implementation plan.

Name of RRU organization:		
Description of organization's capabilities:		
Organisation contact person:	Name:	Email:
Can this organisation provide support for Regional Training?	Yes, at basic level.	Yes, at intermediate level.
	Yes, at advanced level.	No, not at all.
Can this organisation provide support for production of manuals / handbooks?	Yes, at basic level.	Yes, at intermediate level.
	Yes, at advanced level.	No, not at all.
Can this organisation provide personnel for Expert Missions?	Yes, at basic level.	Yes, at intermediate level.
	Yes, at advanced level.	No, not at all.
Can this organisation provide analytical services for GPs that lack facilities?	Yes, at basic level.	Yes, at intermediate level.
	Yes, at advanced level.	No, not at all.
Can this organisation provide standards and reagents to other GPs?	Yes, at basic level.	Yes, at intermediate level.
	Yes, at advanced level.	No, not at all.

Repeat this table as needed.

Part 3D Requirements for Laboratory Infrastructure Support

The detailed minimum requirements for participation are set out in the approved project document. Many participating GPs will have physical infrastructure and human resources in excess of these minimum requirements.

Are laboratory facilities and/or equipment required for project participation?	NO	Tick this box <input type="checkbox"/> and go to Part 3E.											
YES													
Are the required laboratory facilities and/or equipment available within your GP and committed to this project?	YES	<table border="1"> <tr> <td>Organization providing these lab facilities:</td> <td></td> </tr> <tr> <td>Description or type of these lab facilities:</td> <td></td> </tr> <tr> <td>Technological level of these lab facilities:</td> <td>Basic / Intermediate / Advanced</td> </tr> <tr> <td>Lab Contact person Name:</td> <td></td> </tr> <tr> <td>Email:</td> <td></td> </tr> </table>		Organization providing these lab facilities:		Description or type of these lab facilities:		Technological level of these lab facilities:	Basic / Intermediate / Advanced	Lab Contact person Name:		Email:	
Organization providing these lab facilities:													
Description or type of these lab facilities:													
Technological level of these lab facilities:	Basic / Intermediate / Advanced												
Lab Contact person Name:													
Email:													
NO													
Does your GP have an established relationship with an RRU that will provide the required laboratory facilities and/or equipment?	YES	<table border="1"> <tr> <td>Organization providing these RRU facilities:</td> <td></td> </tr> <tr> <td>Description or type of these RRU facilities:</td> <td></td> </tr> <tr> <td>Technological level of these RRU facilities:</td> <td>Basic / Intermediate / Advanced</td> </tr> <tr> <td>RRU contact person Name:</td> <td></td> </tr> <tr> <td>Email:</td> <td></td> </tr> </table>		Organization providing these RRU facilities:		Description or type of these RRU facilities:		Technological level of these RRU facilities:	Basic / Intermediate / Advanced	RRU contact person Name:		Email:	
Organization providing these RRU facilities:													
Description or type of these RRU facilities:													
Technological level of these RRU facilities:	Basic / Intermediate / Advanced												
RRU contact person Name:													
Email:													
NO													
What laboratory facilities and/or equipment does your GP require but not presently have available?	<table border="1"> <tr> <td>Description or type of lab facilities needed:</td> <td></td> </tr> <tr> <td>Technological level of these lab facilities:</td> <td>Basic / Intermediate / Advanced</td> </tr> </table>			Description or type of lab facilities needed:		Technological level of these lab facilities:	Basic / Intermediate / Advanced						
Description or type of lab facilities needed:													
Technological level of these lab facilities:	Basic / Intermediate / Advanced												

Part 3E Requirements for Field Equipment or Infrastructure Support

The detailed minimum requirements for participation are set out in the approved project document. Many participating GPs will have physical infrastructure and human resources in excess of these minimum requirements.

Is field equipment and/or infrastructure required for project participation?	NO	Tick this box <input type="checkbox"/> and submit this Form as described on Page 1.											
YES													
Are the required field equipment and/or infrastructure available within your GP and committed to this project?	YES	<table border="1"> <tr> <td>Organization providing this field equipment:</td> <td></td> </tr> <tr> <td>Description or type of this field equipment:</td> <td></td> </tr> <tr> <td>Technological level of this field equipment:</td> <td>Basic / Intermediate / Advanced</td> </tr> <tr> <td>Contact person Name:</td> <td></td> </tr> <tr> <td>Email:</td> <td></td> </tr> </table>		Organization providing this field equipment:		Description or type of this field equipment:		Technological level of this field equipment:	Basic / Intermediate / Advanced	Contact person Name:		Email:	
Organization providing this field equipment:													
Description or type of this field equipment:													
Technological level of this field equipment:	Basic / Intermediate / Advanced												
Contact person Name:													
Email:													
NO													
Does your GP have an established relationship with an RRU that will provide the required field equipment and/or infrastructure?	YES	<table border="1"> <tr> <td>Organization providing these RRU facilities:</td> <td></td> </tr> <tr> <td>Description or type of these RRU facilities:</td> <td></td> </tr> <tr> <td>Technological level of these RRU facilities:</td> <td>Basic / Intermediate / Advanced</td> </tr> <tr> <td>RRU contact person Name:</td> <td></td> </tr> <tr> <td>Email:</td> <td></td> </tr> </table>		Organization providing these RRU facilities:		Description or type of these RRU facilities:		Technological level of these RRU facilities:	Basic / Intermediate / Advanced	RRU contact person Name:		Email:	
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Description or type of field equipment needed:													
Technological level of this field equipment:	Basic / Intermediate / Advanced												

Recommendations (2)



II. Efficient use of RRUs

- The lists of RRUs are organized only by programme cycles. Thus, a more systematic method should be taken into consideration such as establishing a database that lists up all RRUs which then classifies the RRUs into fields and levels for efficient use.

The screenshot shows the 'Projects' page of the RCA website. The header includes the RCA logo and navigation links: About Us, What's New, Meetings, Projects, Publication, and User Room. Below the header is a 'Projects' section with a filter bar containing 'Projects', 'Project Infor...', 'Thematic Sector', and 'Industry'. The main content area is titled 'Regional Resource Unit (RRU)' and displays a table with columns for 'Country' and 'Organisation'. The table lists six entries: Australia (Advanced Technology Testing and Research (ATTAR)), Bangladesh (NDT Division, Atomic Energy Centre Dhaka, BAEC), Indonesia (BATAN IAEA Collaborating Centre for Nondestructive Diagnostic, Testing and Inspection Technologies), Pakistan (National Centre for Non Destructive testing), Philippines (PNRI National NDT Project Team), and Thailand (Thailand Institute of Nuclear Technology). Each entry has a 'Details' button with a plus icon. To the right of the table is a 'QUICK MENU' sidebar with icons for E-Learning, Who's Who, Annual Reports, Success Stories, RCARO Activities, and Schedule. At the bottom is an 'Additional documents' section with a rich text editor.

Country	Organisation
Australia	Advanced Technology Testing and Research (ATTAR)
Bangladesh	NDT Division, Atomic Energy Centre Dhaka, BAEC
Indonesia	BATAN IAEA Collaborating Centre for Nondestructive Diagnostic, Testing and Inspection Technologies
Pakistan	National Centre for Non Destructive testing
Philippines	PNRI National NDT Project Team
Thailand	Thailand Institute of Nuclear Technology



This screenshot is identical to the one on the left, showing the 'Projects' page of the RCA website. However, a blue box highlights the 'List of RRUs' link in the 'QUICK MENU' sidebar, with an arrow pointing to it from a callout box labeled 'List of RRUs'.

Country	Organisation
Australia	Advanced Technology Testing and Research (ATTAR)
Bangladesh	NDT Division, Atomic Energy Centre Dhaka, BAEC
Indonesia	BATAN IAEA Collaborating Centre for Nondestructive Diagnostic, Testing and Inspection Technologies
Pakistan	National Centre for Non Destructive testing
Philippines	PNRI National NDT Project Team
Thailand	Thailand Institute of Nuclear Technology



Thank you