Workshop on Good Practices for Implementing Performance Evaluation Programmes for Physical Protection Systems

April 19 – 22, 2021. From 08:00am to 11:00am EST, each day

AGENDA (Rev. 2)

DAY 1: 19 April 2021

0800 – 0815   Welcome and Opening Remarks (Allison Johnston, NNSA and Lars van Dassen, WINS)

0815 – 0830   Workshop Objectives & Agenda (Carl Reynolds and KJ Maddux, event facilitators)

SESSION 1: ESTABLISHING A PERFORMANCE EVALUATION PROGRAMME

Key issues:
- What is the role of a performance evaluation programme? What are the possible approaches to performance evaluation?
- What is the risk of not having a performance evaluation programme?
- What are prerequisites for developing and implementing effective performance evaluation programmes?

0830 – 0900   **Presentation** on the Role and Importance of having a Performance Evaluation Programme (Kyle Mitchell, Oak Ridge National Laboratory, US)

0900 – 0930   **Polling of the audience and follow up discussion** with Loreto Villanueva, CCHEN, Chile
- National approaches to performance evaluation
- Regulatory basis to performance evaluation
- prerequisites for developing and implementing effective performance evaluation programmes

0930 – 0945   **Break**

SESSION 2: PERFORMANCE EVALUATION METHODS AND APPROACHES

Key issues:
- What are the main elements of a performance evaluation programme?
- Who should be involved when conducting a performance evaluation (both at operator and national levels)?
- What are their respective roles and responsibilities (who does what)?

0945 – 1000   **Discussion** on a possible security methodology with Adrian Prior, Frazer-Nash Consultancy Ltd, UK (The recorded presentation can be watched here)

1000 – 1030   **Presentation** on Performance Evaluation Programmes – A Nuclear Operator Perspective (Scott Anderson and Chris Reid, Sellafield, UK)

1030 – 1040   **Discussion** with Leonam Guimarães, Eletronuclear, Brazil
- Governance arrangements for security and reporting security performance
- Connecting security performance and level of investment
- Providing assurances to the regulator and other competent authorities

1040 – 1055   **Plenary discussion** on roles and responsibilities for conducting or assessing performance evaluation programmes

1055 – 1100   Key findings of Day 1

DAY 2: 20 April 2021

SESSION 3: GRADED APPROACH AND MANAGING RISK

Key issues:

- How do you tailor your performance evaluation programme to your risk?
- What is the role of prescriptive and performance-based approaches?
- What is our experience? Are we satisfied with our performance evaluation programmes? Where do we see room for improvement?

0800 – 0815 Summary of Day 1 and Agenda of the day.

0815 – 0845 **Polling of the audience and follow up discussion** with Garl Bultz, IAEA NSNS on graded approach to nuclear security risks and performance evaluation programmes (The recorded presentation can be watched here)

0845 – 0930 **Breakout groups** to share participants' experiences in developing performance evaluation programmes tailored to their needs.

0930 – 0945 **Break**

SESSION 4: ANALYSIS AND TESTING SELECTION AND OPTIMIZATION

Key issues:

- Why do we need analysis and testing?
- What are possible methods for analysis and testing?
- How do we identify and select adequate analysis and testing methods?

0945 – 1015 **Practical examples** of analysis and testing methods, (Doug Shull, Lawrence Livermore National Laboratory, US, Greg Verner, Y-12 National Security Complex, US and Ken Martin, Oak Ridge National Laboratory, US)

1015 – 1045 **Presentation** on an operator approach to performance testing (Recorded. Patrice Pourre Brichot, Samuel Donikian and Thomas Schoonaert, French Alternative Energies and Atomic Energy Commission, France)

1045 – 1055 **Follow-up discussion** with Doug Shull and Patrice Pourre Brichot on Selection and Optimization of Analysis & Testing (Key considerations; Creative approaches; Lessons learned)

1055 – 1100 Key findings of Day 2

DAY 3: 21 April 2021

SESSION 5: DATA MANAGEMENT AND SHARING

Key issues:

- How do we consolidate performance testing data and make it available to those who need it?
- What are good practices for measuring the performance of people and procedures?
- How do we combine the performance of each elements of a PPS (people, procedures, and equipment)?

0800 – 0815 Summary of Day 2 and agenda of the day

0815 – 0090 **Introduction to data management and data libraries** with Matthew Talbot, RhinoCorps, USA

0900 – 0930   **Breakout groups** on combining the performance of people, procedures, and equipment.

0930 – 0945   **Break**

SESSION 6: PERFORMANCE EVALUATION PROGRAMME GAPS AND CHALLENGES

Key issues:

- What is our experience implementing performance evaluation programmes? What did we learn? What needs to be improved?
- How do we share lessons learned within the nuclear industry?
- What can we learn from other critical infrastructures?

0945 – 1030   **Presentation** on Aviation experience in measuring the performance of security arrangements (Marie-Caroline Laurent and Matthieu Gualino, Lam Lha, France)

1030 – 1055   **Discussion** to share lessons learned from implementing performance evaluation programmes

- What usually works well? What is more challenging?
- What are the benchmarking opportunities?
- How do we ensure continuous improvement?

1055 – 1100   Key findings of Day 3

DAY 4: 22 April 2021

SESSION 7: PERFORMANCE EVALUATION PROGRAMME SUSTAINABILITY

Key issues:

- How do we ensure the sustainability of our performance evaluation programmes?
- How do identify necessary resources? How do we provide staff with necessary competencies?
- Are international recommendations and guidance adequate? What regional opportunities do we have?

0800 – 0815   Summary of Day 3 and agenda of the day

0815 – 0845   **Presentation** on Developing Sustainable Performance Evaluation Programmes (Melinda Lane, Lawrence Livermore National Laboratory, US)

0845 – 0930   **Panel Discussion** on necessary Resources, Capacity and Capabilities

- Ibrahim Abdulmajeed, NNRA, Nigeria
- Facundo, Ciampagna, Ministry of Security, Argentina
- Naoko Noro, JAEA/ISCN, Japan

0930 – 0945   **Break**

SESSION 8: THE WAY FORWARD

Key issues:

- What have we learned during the workshop?
- What are the key issues to be addressed?
- How can international programmes be of assistance?

0945 – 1000   **Presentation** on supporting capacity building in nuclear security (Roland Fletcher, WINS)

1000 – 1045   **Gap analysis and next steps**

– What have we learnt during the event? Is there a pattern in this? What is it?

– What do we need to do to become more effective?

– What are the resources available? Are we taking advantage of them?

– What could be the role of international and regional programmes in capacity building assistance?

1045 – 1100   **Evaluation of the workshop**

Closing remarks

END OF THE EVENT