Nuclear Security Professional Development Course

24 January – 28 January 2022

Part I. Pre-reading and preparatory module (Optional):

IAEA Nuclear Security e-Learning:
https://elearning.iaea.org/m2/course/index.php?categoryid=48

Part II. Five-day intensive short course

*Times displayed in Central European Time*

**Day 1: Monday, 24 January**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>09:00 – 09:30</td>
<td>Welcome Remarks</td>
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<td><em>Elena Sokova</em>, Executive Director, VCDNP</td>
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<td><em>Elena Buglova</em>, Director, Division of Nuclear Security (NSNS), IAEA</td>
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<td>09:30 – 09:35</td>
<td>Logistical Notes and Questions</td>
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<td><em>Noah Mayhew</em>, Research Associate, VCDNP</td>
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<td>09:35 – 09:45</td>
<td>Course Overview, Introductions and Group Photo</td>
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<td><em>Marianne Nari Fisher</em>, Visiting Research Fellow, VCDNP</td>
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<td>09:45 – 10:15</td>
<td>Peaceful Uses of Nuclear Science and Technology</td>
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<td><em>Jean-Pierre Cayol</em>, Departmental Programme Coordinator, IAEA Department of Nuclear Sciences and Applications</td>
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<td>10:15 – 10:30</td>
<td>Break</td>
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<td>10:30 – 11:15</td>
<td>Nuclear Security at IAEA</td>
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<td><em>Elena Buglova</em>, Director, NSNS, IAEA</td>
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<td>11:15 – 11:45</td>
<td>“Meet and Greet” Session in Breakout Groups</td>
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<td>11:45 – 12:45</td>
<td>Lunch break</td>
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<td>12:45 – 13:30</td>
<td>Nuclear Security Overview and Essentials</td>
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<td><em>Marina Labyntseva</em>, Unit Head, NSNS, IAEA</td>
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<td>13:30 – 14:15</td>
<td>IAEA Services and Assistance in Nuclear Security</td>
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<td><em>Jason Tierney</em>, Section Head, NSNS, IAEA</td>
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<td>14:15 – 14:30</td>
<td>Wrap-Up and Announcements</td>
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This course is made available thanks to the generous support of the Foreign Commonwealth and Development Office of the Government of the United Kingdom.
Day 2: Tuesday, 25 January

09:00 – 09:05 Review and Introduction to Day 2

09:05 – 10:15 Panel: Nuclear security regime development: historical overview, tools and instruments
*Elena Sokova*, Executive Director, VCDNP
*Lars van Dassen*, Executive Director, WINS

10:15 – 10:30 Break

10:30 – 11:30 The Legal Framework for Nuclear Security
*Jonathan David Herbach*, Office of Legal Affairs, IAEA

11:30 – 11:45 Break

11:45 – 12:45 Nuclear Energy and the Nuclear Fuel Cycle
*Marc Humphrey*, Team Leader, Department of Safeguards, IAEA

12:45 – 13:15 Participant Social

Day 3: Wednesday, 26 January

09:00 – 09:05 Review and Introduction to Day 3

09:05 – 09:45 Introduction to the Security of Radioactive Material
*Alessia Rodriguez y Baena*, Unit Head, NSNS, IAEA

09:45 – 10:00 Break

10:00 – 10:30 Elements of Physical Protection
*Kristof Horvath*, Unit Head, NSNS, IAEA

10:30 – 11:00 Nuclear Security of Materials Outside of Regulatory Control
*Thierry Pelletier*, Unit Head Nuclear Security Detection Architecture, IAEA

11:00 – 11:30 Transport Considerations in Nuclear Security
*Tünde Katona*, Advisor, Hungarian Atomic Energy Authority

11:30 – 12:00 Nuclear material smuggling and radiological security incidents. Incident and Trafficking Database
*Anna Gredinger*, Nuclear Security Information Officer, NSNS, IAEA

12:00 – 12:15 Break

12:15 – 12:55 Emergency management and response for nuclear security events, introduction to Incident & Emergency Centre (IEC)
*Florian Baciu*, Response System Coordinator, IEC, IAEA

12:55– 13:00 Wrap-Up and Announcements
Day 4: Thursday, 27 January

09:00 – 09:05  Review and Introduction to Day 4

09:05 – 10:00  The role of Industry and WINS Programmes
Lars van Dassen, Executive Director, WINS

10:00 – 10:15  Break

10:15 – 11:15  Panel: Diversity, Sustainability, and Nuclear Security
Ingrid Kirsten, VCDNP
Pierre Legoux, Head of Programme Implementation, WINS

11:15 – 11:30  Break

11:30 – 12:30  Cybersecurity in Nuclear Security
Álvaro Acevedo, Programme Manager, WINS

Lars van Dassen, Executive Director, WINS
Rhonda Evans, Head of Programme Development, WINS

13:15 – 13:30  Wrap-Up and Announcements

Day 5: Friday, 28 January

09:00 – 09:05  Review and Introduction to Day 5

09:05 – 09:15  Introduction to CPPNM & A/CPPNM, Why Now?
Marianne Nari Fisher, Visiting Research Fellow, VCDNP

09:15 – 10:15  Panel on Outcomes and Expectations: A/CPPNM Review Conference
Ambassador Benno Laggner, Co-President of the A/CPPNM Review Conference 2022; Resident Representative to the IAEA, Permanent Representative to the CTBTO PrepCom, Permanent Mission of Switzerland, Vienna, Austria
Tomas Bieda, Project Manager, WINS
Jason Tierney, NS, IAEA
Moderator, Elena Sokova, VCDNP

10:15 – 10:30  Break

10:30 – 11:30  Facilitated Group Discussion
Elena Sokova, Executive Director, VCDNP

11:30 – 12:00  Evaluations and Wrap-Up

12:00 – 12:15  Awarding of Certificates

12:15 – 12:30  End of Course