International Chemical Security Framework

August 1, 2019

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Presentation Overview

• WMD Control Regime
• Chemical Security: An Area for Further Guidance
• International Coordination, Priorities
• Chemical Security Framework Project
  ▪ Project Approach
  ▪ Regulatory Implementation Toolkit
• Incorporating Stakeholder Perspectives
• Importance of Industry Outreach
• Conclusion, Contacts
WMD Control Regime

• The Chemical Weapons Convention
  ▪ Prohibits possessing chemical weapons (Arts. I, VII)
  ▪ Obligates States to ensure that toxic chemicals and precursors are only used for peaceful purposes (Art. VI)

• UN Security Council Resolution 1540
  ▪ Requires States to establish domestic controls to prevent proliferation of chemical weapons and related materials, including by accounting for and securing such items in production, use, storage or transport, and developing effective physical protection measures
Chemical Security: An Area for Further Guidance

• Comprehensive, authoritative international guidance on how to secure dangerous chemicals does not yet exist

  ▪ However, there is both international consensus and comprehensive, voluntary guidance on how to secure nuclear and radioactive material, stewarded by the International Atomic Energy Agency (IAEA)
  ▪ Some countries have chemical security frameworks consistent with same principles
International Coordination, Action Plan

• International community recognizes need for greater information on how to secure dangerous chemicals
  ▪ Chemical Security Working Group (CSWG) of the Global Partnership Against the Spread of Weapons and Materials of Mass Destruction adopted a Strategic Vision that includes supporting and enhancing chemical non-proliferation instruments, institutions and practices
  ▪ CSWG identified development of model legislative and regulatory frameworks for chemical security as specific action area
Chemical Security Framework Project: Synthesize Model Frameworks for Chemical Security

- US Defense Threat Reduction Agency launched this Chemical Security Framework (CSF) Project in part to address this CSWG priority.

<table>
<thead>
<tr>
<th>End Goal</th>
<th>Consolidated menu of legislative and regulatory approaches and specific measures for countries to consider to reduce risk of illicit CW acquisition and use</th>
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<tbody>
<tr>
<td>Approach</td>
<td>Synthesize existing good practices from international guidance and national regulatory frameworks for securing dangerous chemicals and other hazardous materials</td>
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### Project Approach: Gather and Synthesize Prior Good Practices

- Sources are to include:

<table>
<thead>
<tr>
<th>Category</th>
<th>Sources</th>
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<tbody>
<tr>
<td><strong>UNSCRs</strong></td>
<td>•1540</td>
</tr>
<tr>
<td><strong>International Instruments</strong></td>
<td>CWC; Basel, Stockholm, Rotterdam Conventions; Conv. on Transboundary Effects of Industrial Accidents; UNEP Guidance</td>
</tr>
<tr>
<td><strong>Regional/National Requirements</strong></td>
<td>EU REACH, Seveso Directive, Explosives Precursors Regulation; U.S. Department of Homeland Security Chemical Facility Anti-Terrorism Standards (CFATS), Canada Explosives Act and Regulation; CWC implementing regimes (various)</td>
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<tr>
<td><strong>Industry, Academia</strong></td>
<td>Responsible Care®, Global Chemists' Code of Ethics, Hague Ethical Guidelines</td>
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<tr>
<td><strong>IAEA Framework</strong></td>
<td>Convention on the Physical Protection of Nuclear Material &amp; Amendment; Code of Conduct on the Safety &amp; Security of Radioactive Sources; Nuclear Security Series</td>
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Project Objective:
Develop a Regulatory Implementation Toolkit

- Compile guidance on good practices for implementing a national chemical security framework
- Develop training and informational materials on recommended content of a comprehensive national chemical security framework
- Develop chemical security framework assessment tool
  - Checklist & questionnaire to assess the country’s existing framework addresses against recognized chemical security good practices
- Develop example regulatory provisions for chemical security
Incorporating Stakeholder Perspectives

• Industry plays a crucial role in chemical security
  ▪ Collaborative industry engagement and leveraging of industry standards, such as Responsible Care®, to be highlighted as best practices
  ▪ CSF Team attending Chemical Sector Security Summit to observe U.S. model, learn what works well, incorporate lessons learned

• Team similarly met with GP CSWG, Organisation for the Prohibition of Chemical Weapons
  ▪ Project seeks to provide a draft best practice framework that can be considered for further development at the international level
Conclusion

• Project purpose: To reduce risk of chemical terrorism through promoting sound regulatory practices to secure high-risk chemicals

• Envisioned outcome: Distillation of internationally recognized good practices into non-binding guidance for the secure management of high-risk chemicals; a basis for technical assistance

• Industry engagement and support play a vital role in achieving effective chemical security
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Thank you