PLANNING & EXECUTING AN INTERNATIONAL TRANSPORT OF CATEGORY I NUCLEAR MATERIALS – THE UK DELIVERING SPECIALIST NUCLEAR SERVICES WITH PRIDE

Bob Officer
International Nuclear Services
Introduction

• INS – who are we?
• Cat I NM Transport Key Stakeholders
• Global reach - NSS deliverables
• Record of Discussion – ROD
• Rules of the Game – ROG
• Threat/DBT/CNC
• Operational Capability/EP&R
• Competent Authority Approval – Transport Security Plan (TptSP)
“Over 40 Years experience of delivering safe and secure transports...”
International Nuclear Services is a wholly-owned subsidiary of the UK Nuclear Decommissioning Authority and has over 40 years experience of irradiated fuel management and nuclear material transportation.
- 5 million nautical miles covered
- +200 shipments completed
- 18x HLW Shipments to Japan
- 5x MOX Shipments to Japan
- 5x Shipments in support of GTRI / M3
- World’s leading shipper of SNM
Key Stakeholders

- Department for Business, Energy & Industrial Strategy
- Foreign & Commonwealth Office
- Office for Nuclear Regulation
- Nuclear Decommissioning Authority
- Ministry of Defence
- Maritime & Coastguard Agency
Record of Discussion (ROD)
Rules of the Game (ROG)
IAEA Strategic Table-top Exercise

Coastal States
TTX
IAEA Vienna
28 July 2017
Operational Capability
Regulatory Oversight
Threat - DBT
“A unique & experienced partnership, making the world a safer place”
Operational Capability – RN FOST
Dedicated Control Centres

1x Tactical Operations Centre - Risley, UK (Primary)
1x Strategic Command Centre - Risley, UK (Primary)
1x Barrow, UK (Secondary)
## EP&R – Key Stakeholders

<table>
<thead>
<tr>
<th>Potential stakeholders supporting and/or coordinating an Emergency Response involving INS</th>
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<tbody>
<tr>
<td>Office for Nuclear Regulation (ONR)</td>
<td>Maritime Rescue Co-ordination Centres (MRCC)</td>
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<tr>
<td>Business, Energy &amp; Industrial Strategy (BEIS)</td>
<td>PR company (e.g. Acumen)</td>
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<tr>
<td>Foreign &amp; Commonwealth Office (FCO)</td>
<td>Strategic Coordination Group (Multi-agency Gold)</td>
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<tr>
<td>Consignor/Consignee</td>
<td>Tactical Coordination Group (Multi-agency Silver)</td>
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<tr>
<td>Nuclear Decommissioning Authority (NDA)</td>
<td>Coastal &amp; Shipping States</td>
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<tr>
<td>SERCO (e.g. Marine Emergency Co-ordinator)</td>
<td>IAEA</td>
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<tr>
<td>Genden Nuclear Engineering Services Company (GNESC)</td>
<td>Ardent - Salvage</td>
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<tr>
<td>Civil Nuclear Constabulary (CNC)</td>
<td>Maritime Coastguard Agency (MCA)</td>
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<td>PNTL (Ship’s Master)</td>
<td>Inchcape International - Ship’s agent</td>
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<tr>
<td>Air Transport Company - Hunt &amp; Palmer</td>
<td>International Maritime Organisation - IMO</td>
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Emergency Response Resources

Additional Equipment Locations:

UK - Risley, Sellafield, and Barrow

Japan - Tsuruga and Tokai

ER equipment on Vessels

• MV Oceanic Pintail
• MV Pacific Egret
• MV Pacific Heron
• MV Pacific Grebe