



Regulation of the Civil Nuclear Industry Supply Chain & International Cooperation through the MDEP VICWG

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ONR Supply Chain Regulation

- Expect licensees to establish adequate SCM arrangements
- UK regulation 'Goal Setting', not prescriptive
- However, International regulatory expectations similar, enabling:
- **International Regulatory Cooperation**

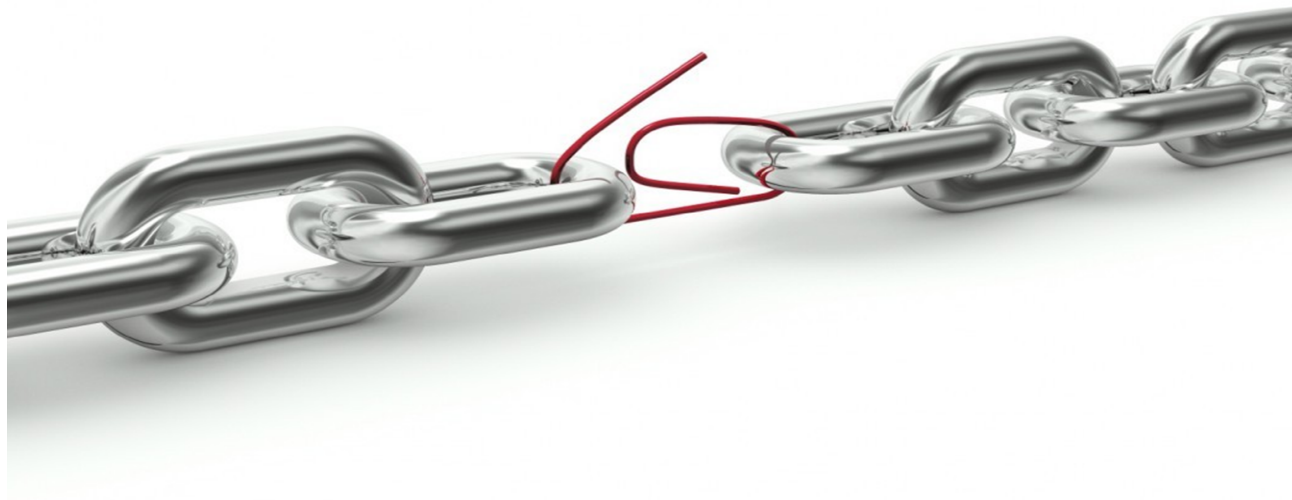


RISK FACTORS ACROSS THE EXTENDED ENTERPRISE:

- CAPABILITY
- CAPACITY
- CULTURE
- CASCADE OF REQUIREMENTS
- OVERSIGHT & ASSURANCE
- LOCALISATION
- GLOBALISATION



MULTINATIONAL DESIGN EVALUATION PROGRAMME



Vendor Inspection Cooperation Working Group

Background

- Approved by the MDEP policy group in March 2008
- Multinational regulatory membership
- Meet six monthly but engage throughout year

Key Objectives

- Conduct joint, witnessed and multinational inspections
- Maximise results from regulator vendor inspections, share experience
- Harmonise best practice approaches – Common Positions
- Facilitate adoption of good vendor oversight practice

Achievements

- Joint & witnessed inspections (approx. 100 since 2008)
- Common positions - QA/QM, CFSI, Vendor Inspection Practice
- Share inspection reports & program outcomes identifying risks (i.e., CFSI)
- Multinational inspections:
 - Valinox, 2014 (NRC-Lead, ASN, ONR)
 - Areva, Creusot Forge, 2016 (ASN-Lead, CNSC, NNSA, STUK, NRC, ONR)
 - ENSA, 2019 (NRC-Lead, ASN, ONR)

Benefits of Multinational Inspections

- Efficient use of regulatory resource
- Targets regulatory activity on areas of highest risk
- Reduced inspections for suppliers
- High profile, focusses vendor and licensee attention
- Enables exchange of regulatory good practice
- Reinforces international regulatory expectations

Challenges

- Continue:
 - Inspection cooperation (witnessed, joint & multi-national)
 - Share experience
 - focus on risks of CFSI & enhancing nuclear safety culture
- Enhance:
 - Regulatory guidance - Inspection of advanced manufacturing techniques
 - Supply chain mapping & oversight of interfaces
 - Stakeholder engagement
 - Regulatory guidance - Commercial Grade Dedication & Equipment Qualification
- Consider lessons from the Coronavirus pandemic

Summary

- International regulatory approaches differ, expectations are similar
- VICWG:
 - Collaborates on vendor inspection activity
 - Shares experience
 - Targets areas of risk
- Multinational vendor inspections facilitate regulatory cooperation

For more information visit:

- <https://www.oecd-nea.org/mdep/working-groups/vicwg.html>