

# Nuclear Detection Working Group

## *Overview of Context, Goals, and Format*

April 15, 2014

Garmisch-Partenkirchen, Germany

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# GICNT

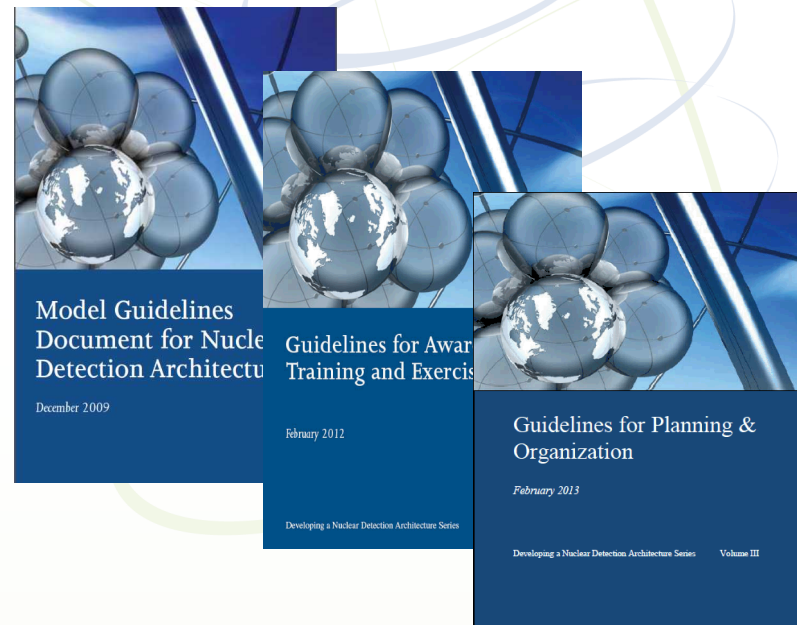
Global Initiative to Combat Nuclear Terrorism

# Agenda

	Tuesday		Wednesday		Thursday
0900 - 0945	Session #1 Welcome Remarks, Goals, and Objectives	0900 -0930	Session #6 Overview	0900 -0915	Session #12 Overview
1015 – 1145	Session #2 Tabletop Exercise: Detection in the Interior <i>Breakout Groups</i>	0930 -1030	Session #7 Vol. IV Chapter 3 – Strategic Locations	0915 -1045	Session # 13 Exercise Playbook –Review of New Scenarios
1300 -1415	Session #3 Panel Discussion – Alternative International Perspectives	1100 -1200	Session #8 Vol. IV Chapter 4 – Public Events	1115 - 1215	Session #14 Exercise Playbook – Adaptation to a Field Exercise
1415 -1445	Session #4 Vol. IV Introduction	1330 -1500	Session #9 Vol. IV Case Studies <i>Breakout Groups</i>	1345 -1445	Session #15 Exercise Playbook – Roadmap to Completion
1515 -1645	Session #5 Vol. IV Chapter 2 – Interior Areas and Pathways	1530 -1630	Session #10 Vol. IV Chapter 5 - Conclusions	1515 -1545	Session #16 Exercise Playbook – Next Steps
1900	Evening Reception	1630 -1700	Session #11 Preview of Exercise Playbook	1545 - 1615	Session #17 Workshop Close and Path Forward

# Context and Previous Activities

- 2010 GICNT meeting in Garmisch-Partenkirchen, Germany
  - Developed recommendations for future meetings/guidelines
- “Developing a Nuclear Detection Architecture Series”
  - Volume I: Model Guidelines Document (Dec. 2009)
  - Volume II: Awareness Training and Exercise (Feb. 2012)
  - *Volume III: Planning and Organization (Feb. 2013)*
  - *Volume IV: Detection Within a State’s Interior*
- *Exercise Playbook*



*Athens, Greece – Fall 2013*

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# Workshop Goals, and Objectives

- Promote an internationally collaborative environment for sharing of lessons-learned and review of working group products
- Volume IV: “Guidelines for Detection Within a State’s Interior”
  - Review the latest version, which includes incorporation of comments and changes since the Athens workshop
  - Review new case studies submitted since the Athens Workshop
  - Identify a path forward for document finalization
- Exercise Playbook
  - Overview of feedback from the Athens Workshop
  - Discuss the adaptation of a scenario from a tabletop exercise to a field exercise
  - Review new playbook scenarios
  - Discuss next steps for playbook development and review in the Summer 2014 IAG meeting in Seoul

# Session 2 – Tabletop Exercise

- Exercise simulates a domestic interior scenario in the fictional State of “Centralia” covering the following major concepts:
  - Operational information
  - Instrument alarm adjudication
- TTX Objectives
  - ***Demonstrate and apply*** important planning and operational concepts related to detection of radiological material in a threat environment
  - Share perspectives on implementation approaches and ***best practices***
  - Facilitate discussion and exchange on real-world detection experiences

## Session 3 – Panel Discussion

- Describe ***alternative interior detection approaches***.
- Discuss how these approaches might inform needs of ***States with similar challenges***.
- Identify and discuss ***non-technical considerations*** that add to this approach.
- Identify ways for the GICNT to support ***alternative approach*** capability development.

# Sessions 4 – 10 - Volume IV Final Review

- Initiated at February 2013 IAG Meeting in Spain
- Reviewed at October 2013 NDWG Meeting in Greece
  - Achieved consensus on framework and document scope
  - Reviewed, clarified, and added major challenges and mitigating options
  - Identified high level themes for the conclusions
- Subsequent updates
  - ***New case studies*** received
  - Chapters clarified and reordered
  - Virtual Review - Round II completed February, 2014

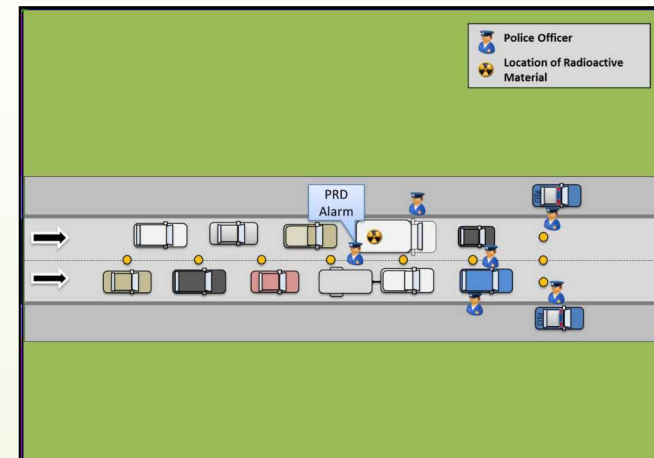
# Volume IV Discussion Topics

- Framework:
  - Are the major interior detection challenges and mitigation options included and captured clearly?
  - Is **terminology consistent** with other IAEA and GICNT documents?
- Case Studies:
  - Are new case studies appropriately placed?
  - Is there additional content from case studies that should be added to the framework?

# Sessions 11-14 - Exercise Playbook

- NDWG Meeting in Athens, Greece October 2013
  - Agreed on framework
  - Agreed it should be applicable for tabletop and field exercises
  - More emphasis on the scenarios and less on guidance for conducting exercises
- **Review of Six new scenarios** added
  - Interior law enforcement
  - Operational information
  - Public event
  - Technical support/reachback
  - Land border (between points of entry/exit)
  - Rail
- Inclusion of **supplemental materials** (e.g. maps, charts, tables)
- Adaptation to a Field Exercise
  - Urban Shield 2013-2014
  - GICNT Exercise

Scenario	Participants				Pathways								Domain			
	Policy Makers	Org Implementers	Operators	Technical Support	Foreign Origin	Foreign Transit	Foreign Departure	Transit to Target	Border	Domestic Origin	Domestic Interior	Target Vicinity	Target	Air	Land	Maritime
<b>INTERIOR</b>			X								X				X	
Road Inspection Station		X	X								X				X	
Medical Detection	X	X								X	X				X	
Operational Information	X	X			X	X	X	X	X	X	X	X	X	X	X	X
Law Enforcement	X	X									X	X	X		X	
Public Event			X	X							X	X	X		X	
Technical Reachback				X					X	X	X	X	X	X	X	X
<b>BORDER</b>									X							X
Seaport	X	X	X						X							X
Airport	X	X							X		X			X		
Coastal Maritime	X	X							X							X
Rail	X	X							X		X				X	
Border between POEs	X	X							X						X	
<b>EXTERNAL</b>																
Cross-border Detection	X	X			X	X	X	X	X						X	X
Border Crisis	X	X			X	X	X	X	X		X				X	
International Coop	X	X			X	X	X	X	X					X	X	X



# Session 15-16 – Exercise Playbook Roadmap and Next Steps

- Roadmap to Completion
  - ***Final vs. Living Document***
  - Determinations on a “final product”
- Other materials the playbook needs
- Needs for additional scenarios
- States developing or adopting new scenarios

# Keys to Workshop Success

- Engage in discussion and review
  - Content will be determined in a collaborative manner and represents our collective experience and expertise
- Offer lessons-learned, solutions, and best practices
- Volunteer for follow-on participation
  - Feedback from your State on specific playbook scenarios
  - Future workshop participation and speaking commitments