



International Technical Working Group (ITWG): The Evidence Working Group

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ITWG: Evidence Working Group

- What is evidence?

EVIDENCE

Agency _____
 Collected By _____
 Item # _____ Case # _____
 Date _____ Time _____
 Description _____

PROPERTY RECEIPT

Post Office Box 1802
 Fort Lauderdale, Florida 33310

Case # _____
 Date and Time _____
 Receiving Unit/Agency _____
 Officer _____
 Agency Case # _____

Item # _____
 Description _____

1. _____
 2. _____
 3. _____
 4. _____
 5. _____
 6. _____
 7. _____
 8. _____
 9. _____
 10. _____

Agency Signature _____
 Date _____

EVIDENCE

Agency _____
 Item No. _____ Case No. _____
 Date of Collection _____ Time of Collection _____
 Collected By _____
 Description of Evidence _____
 Location of Collection _____
 Date of Offense _____
 Limit _____
 Expect _____

CHAIN OF CUSTODY

By _____
 Time _____ AM/PM
 By _____
 Time _____ AM/PM
 By _____
 Time _____ AM/PM

LABORATORY CHAIN-OF-CUSTODY FORM

Relinquished By	Organization	Date/Time	Received by	Organization	Date/Time
9. Signature:			10. Signature:		
Print Name:			Print Name:		
			Sealed: [] Yes [] No		

SECTION 4 DCLS Use Only
Laboratory Description of Sample: Include the number of containers, identification number(s) and a physical description of each item submitted for testing.

Signature: _____ Date: _____

SECTION 5 – Evidence Disposal (To be completed by Laboratory Evidence Custodian)

Disposition Site:	Disposition No.:	Method of Disposition/Date:
Performed by:		Date:
Witnessed by:		Date:

STOD

Chain of Custody

Michael Smith _____ 2/16/10 9:45 am
 Relinquished By _____ Date/Time _____
 Post Office _____ 2/16/10 9:45 am
 Received By _____ Date/Time _____

Relinquished By _____ Date/Time _____
 Received By _____ Date/Time _____
 Relinquished By _____ Date/Time _____
 Received By _____ Date/Time _____

KANSAS HEALTH AND ENVIRONMENT LABORATORY

EVIDENCE

Agency _____
 Collected By _____
 Item # _____ Case # _____
 Date _____ Time _____
 Description _____
 Location _____
 Remarks _____

CHAIN OF CUSTODY

Received from _____
 By _____
 Date _____ Time _____
 Received from _____
 By _____
 Date _____ Time _____
 Received from _____
 By _____
 Date _____ Time _____

ITWG: Evidence Working Group

RN material

Evidence contaminated with RN materials



Mock Radiological Dispersal Device laboratory

EVIDENCE	
Agency	_____
Collected By	_____
Item #	Case # _____
Date	Time _____
Description	_____
Location	_____
Remarks	_____
CHAIN OF CUSTODY	
Received from	_____
By	_____
Date	Time _____
Received from	_____
By	_____
Date	Time _____
Received from	_____
By	_____
Date	Time _____

ITWG: Evidence Working Group

- What is ITWG?
 - Multinational
 - Informal
 - Nuclear Forensics
 - Laboratory scientists
 - Law Enforcement personnel
 - Regulatory officials
 - Reports informally to the Nuclear Safety and Security Group of the G-8



EVIDENCE	
Agency	_____
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Date	Time _____
Description	_____
Location	_____
Remarks	_____
Remarks	_____
CHAIN OF CUSTODY	
Received from	_____
By	_____
Date	Time _____
Received from	_____
By	_____
Date	Time _____
Received from	_____
By	_____
Date	Time _____

ITWG: Evidence Working Group

- Created in 2012
 - Collection
 - Transport
 - Analysis
 - Reporting



EVIDENCE	
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Remarks	_____
CHAIN OF CUSTODY	
Received from	_____
By	_____
Date	Time _____
Received from	_____
By	_____
Date	Time _____
Received from	_____
By	_____
Date	Time _____

ITWG: Evidence Working Group

- First met in 2013 in St. Petersburg, Russia
 - 20 volunteers
 - From 10 different nations



International Conference on Nuclear
Security: Enhancing Global Efforts

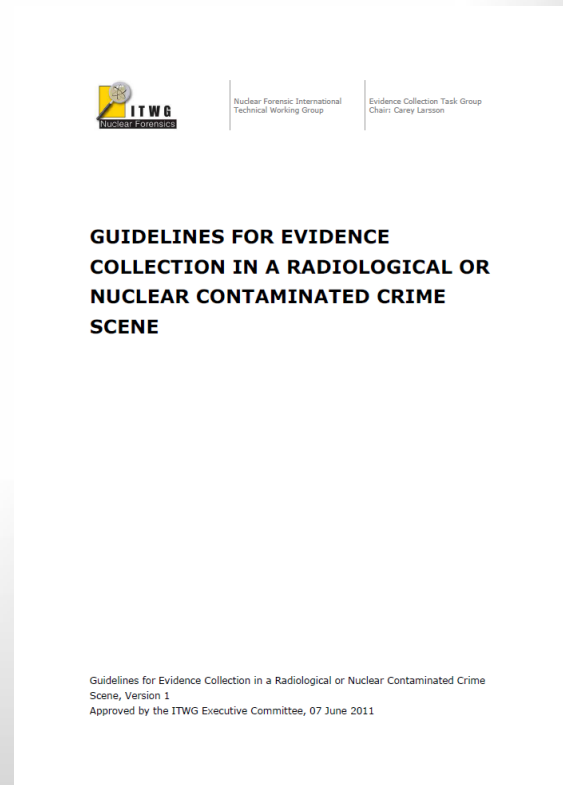
ITWG: Evidence Working Group

Current relevant documents:

- ITWG “Guidelines for Evidence Collection in a Radiological or Nuclear Contaminated Crime Scene”

6 June 2011

- Planning
- Communications
- Actions

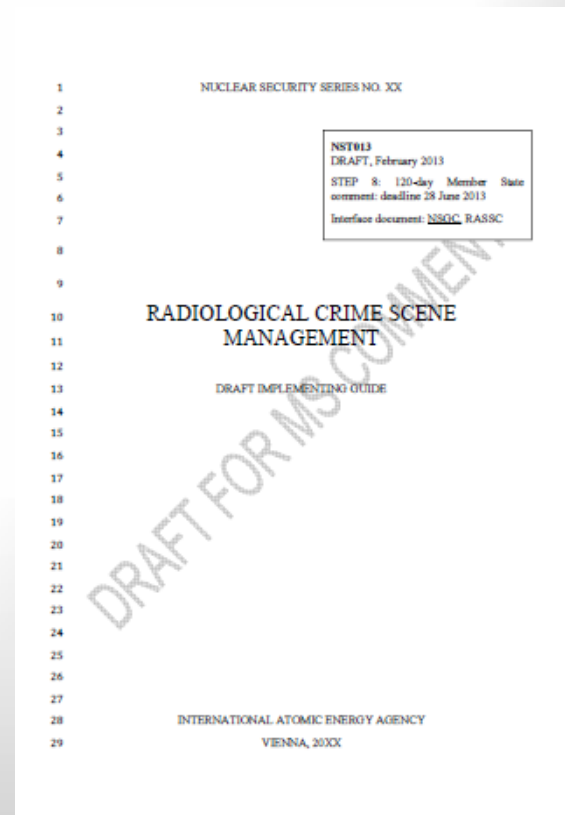


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By	_____
Date	Time _____

ITWG: Evidence Working Group

Current relevant documents:

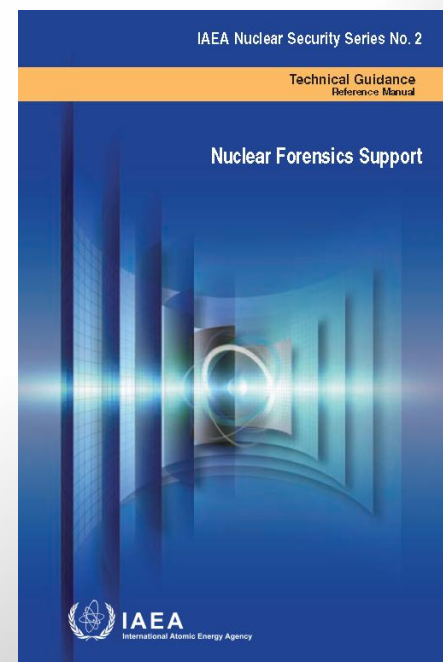
- Radiological Crime Scene Management
 - IAEA Document
 - Currently in publication process (**NST013**)



ITWG: Evidence Working Group

Current relevant documents:

- IAEA Nuclear Security Series No. 2 – Nuclear Forensic Support
 - Model action plan
 - Good overall topics
 - 2006 version currently in revision (**NST014**)



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By	_____
Date	Time _____
Received from	_____
By	_____
Date	Time _____
Received from	_____
By	_____
Date	Time _____

ITWG: Evidence Working Group

- Proposed Tasks

- 1) Develop a document to discuss chain of custody/continuity of evidence
- 2) Develop a series of topical papers on the conduct of traditional forensic examinations on evidence containing radioactive/nuclear materials
- 3) Development of an evidence collection plan framework document
- 4) Development of an Examination Plan Checklist

EVIDENCE	
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Item #	Case #
Date	Time
Description	_____
Location	_____
Remarks	_____
Remarks	

CHAIN OF CUSTODY	
Received from	_____
By	_____
Date	Time
Received from	_____
By	_____
Date	Time
Received from	_____
By	_____
Date	Time

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By	_____
Date	Time _____

ITWG: Evidence Working Group

- 1) Develop a document to discuss chain of custody/
continuity of evidence:
 - Chain of Custody/Continuity of Evidence =
documentation + process
 - Requirements vary from jurisdiction to jurisdiction
 - Focus
 - Fundamentals
 - How to determine equivalency



EVIDENCE	
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Remarks	_____
Principal _____	
CHAIN OF CUSTODY	
Received from	_____
By	_____
Date	Time _____
Received from	_____
By	_____
Date	Time _____
Received from	_____
By	_____
Date	Time _____

ITWG: Evidence Working Group

- Proposed Tasks

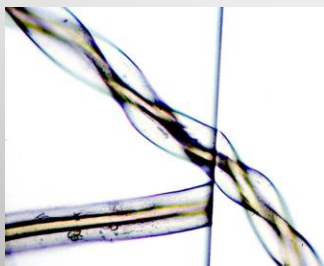
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Remarks	_____
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By	_____
Date	Time
Received from	_____
By	_____
Date	Time
Received from	_____
By	_____
Date	Time

ITWG: Evidence Working Group

2) Develop a series of topical papers on the conduct of traditional forensic examinations on evidence containing radioactive/nuclear materials

- Effects of radiation on the evidence
- Effects of radioactive/nuclear materials contamination control on the examination process



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By	_____
Date	Time _____

ITWG: Evidence Working Group

- Proposed Tasks

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Date	Time
Received from	_____
By	_____
Date	Time
Received from	_____
By	_____
Date	Time

ITWG: Evidence Working Group

3) Development of an evidence collection plan framework document

- Link between
 - Investigators
 - Collectors
 - Laboratory
- Minimize risks
- Timely and probative results



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By	_____
Date	Time
Received from	_____
By	_____
Date	Time

ITWG: Evidence Working Group

- Proposed Tasks

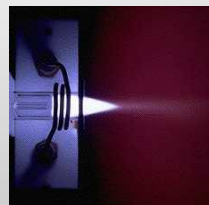
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By	_____
Date	Time
Received from	_____
By	_____
Date	Time
Received from	_____
By	_____
Date	Time

ITWG: Evidence Working Group

4) Development of an Examination Plan Checklist

- Master control of what happens to the evidence
 - Prioritizes and deconflicts multistep examination processes
 - Sets expectations and denotes limitations



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Received from	_____
By	_____
Date	Time
Received from	_____
By	_____
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ITWG: Evidence Working Group

Agreement Point #1

- The Nuclear Forensics International Technical Working Group’s “Guidelines for Evidence Collection in a Radiological or Nuclear Contaminated Crime Scene”, published in 06 June 2011 is the basis for our work.

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CHAIN OF CUSTODY	
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Received from	_____
By	_____
Date	Time _____
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By	_____
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ITWG: Evidence Working Group

Agreement Point #2

- Several volunteers agreed to begin working on Proposed Task #1 and Proposed Task #2. Volunteers for Proposed Task #1 will be using a draft version of a document begun in the ITWG Guidelines Working Group, while other volunteers will be developing Proposed Task #2 by drawing from published scientific works and personal experiences.

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Remarks	_____
Remarks	_____
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Received from	_____
By	_____
Date	Time
Received from	_____
By	_____
Date	Time
Received from	_____
By	_____
Date	Time

ITWG: Evidence Working Group

Agreement Point #3

- Proposed Task #3 and Proposed Task #4 require further discussions and were tabled until a later date to be determined.

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Item #	Case #
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Description	_____
Location	_____
Remarks	_____
Remarks	_____
CHAIN OF CUSTODY	
Received from	_____
By	_____
Date	Time
Received from	_____
By	_____
Date	Time
Received from	_____
By	_____
Date	Time

ITWG: Evidence Working Group

- What is evidence?

EVIDENCE

Agency _____
 Collected By _____
 Item # _____ Case # _____
 Date _____ Time _____
 Description _____

PROPERTY RECEIPT

Post Office Box 1802
 Fort Lauderdale, Florida 33310

Case # _____
 Date and Time _____
 Receiving Unit/Agency _____
 Officer _____
 Agency Case # _____

Item # _____
 Description _____

1. _____
 2. _____
 3. _____
 4. _____
 5. _____
 6. _____
 7. _____
 8. _____
 9. _____
 10. _____

Agency Signature _____
 Date _____

EVIDENCE

Agency _____
 Item No. _____ Case No. _____
 Date of Collection _____ Time of Collection _____
 Collected By _____
 Description of Evidence _____
 Location of Collection _____
 Date of Offense _____
 Limit _____
 Expect _____

CHAIN OF CUSTODY

By _____
 Time _____ AM/PM
 By _____
 Time _____ AM/PM
 By _____
 Time _____ AM/PM

LABORATORY CHAIN-OF-CUSTODY FORM

Relinquished By	Organization	Date/Time	Received by	Organization	Date/Time
9. Signature:			10. Signature:		
Print Name:			Print Name:		
			Sealed: [] Yes [] No		

SECTION 4 DCLS Use Only
 Laboratory Description of Sample: Include the number of containers, identification number(s) and a physical description of each item submitted for testing.

Signature: _____ Date: _____

SECTION 5 – Evidence Disposal (To be completed by Laboratory Evidence Custodian)

Disposition Site:	Disposition No.:	Method of Disposition/Date:
Performed by:		Date:
Witnessed by:		Date:

Chain of Custody

Michael Smith 2/16/10 9:45 AM
 Relinquished By Date/Time
 Post Office 2/16/10 9:45 AM
 Received By Date/Time

Relinquished By _____ Date/Time _____
 Received By _____ Date/Time _____
 Relinquished By _____ Date/Time _____
 Received By _____ Date/Time _____

KANSAS HEALTH AND ENVIRONMENT LABORATORY

EVIDENCE

Agency _____
 Collected By _____
 Item # _____ Case # _____
 Date _____ Time _____
 Description _____
 Location _____
 Remarks _____

CHAIN OF CUSTODY

Received from _____
 By _____
 Date _____ Time _____
 Received from _____
 By _____
 Date _____ Time _____
 Received from _____
 By _____
 Date _____ Time _____