



Reflections on regional training efforts in support of nuclear forensic capability development in South-East Asia

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Science. Ingenuity. Sustainability.

INFCIRC No.917 ‘Joint Statement on Forensics in Nuclear Security’



IAEA *60 Years*
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Information Circular

INFCIRC/917
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General Distribution
Original: English

Communication dated 14 March 2017 received from the Permanent Mission of Australia concerning a Joint Statement on Forensics in Nuclear Security

Joint Statement on Forensics in Nuclear Security

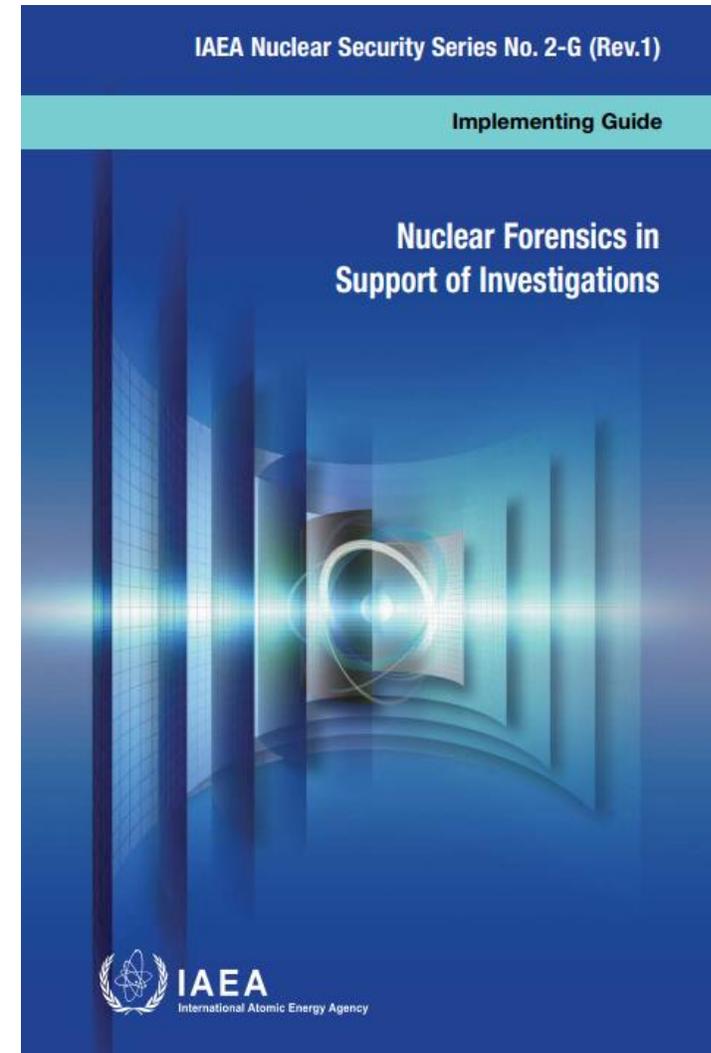
1. The Secretariat has received a communication dated 14 March 2017 from the Permanent Mission of Australia attaching a *Joint Statement on Forensics in Nuclear Security*, endorsed by Australia, Argentina, Armenia, Canada, Chile, Czech Republic, France, Finland, Georgia, Germany, Hungary, Israel, Indonesia, Italy, Japan, Kazakhstan, Mexico, Morocco, Netherlands, Nigeria, Norway, Philippines, Singapore, Spain, Sweden, Switzerland, Republic of Korea, Thailand, the United Kingdom and the United States of America, and requesting the Secretariat to bring the communication and its attachments to the attention of all IAEA Member States.

2. As requested, the communication and its attachment are herewith circulated for the information of all Member States.

“advance and mature nuclear forensic expertise in other countries through efforts such as providing instruction at or hosting international conferences”

NSS 2-G Nuclear Forensics in Support of Investigations

“technical training and human capital development should encompass the complexities of nuclear forensics as a component of preventive measures and as a capability for response”



BATAN, Indonesia

WHO

- Indonesia's national nuclear energy agency

CONTEXT

- Supported by the Australian Department of Foreign Affairs and Trade Australia-Indonesia Security Cooperation program

KEY CONTENT

- Establishment of a nuclear forensics capability (including the development of interagency relationships)
- Nuclear forensic analytical planning

DELIVERY MODALITIES

- Workshops
- Table-top exercise
- Documents



International Atomic Energy Agency

WHO

- Participants from Indonesia, Malaysia, Thailand, Vietnam, New Zealand, Philippines, Singapore and Australia

CONTEXT

- Part of a program of nuclear forensics training offered by the International Atomic Energy Agency

KEY CONTENT

- Nuclear forensics laboratory analysis

DELIVERY MODALITIES

- Presentations
- Table-top exercise
- Practical laboratory activities



Ministry of Home Affairs, Singapore

WHO

- Participants from law enforcement, emergency response, forensics investigation and CBRNE

CONTEXT

- Funded by Ministry of Home Affairs

KEY CONTENT

- Radiological crime scene management
- Nuclear forensics laboratory analysis

DELIVERY MODALITIES

- Presentations
- Table-top exercises
- Practical activities (laboratory and crime scene)



Leveraging existing capabilities

Dedicated nuclear forensics staff lead delivery

Domestic stakeholders (e.g. DFAT) provide funding

Subject matter experts deliver lectures and practical activities

Domestic partners (e.g. AFP) support operationally relevant activities

Enabling functions (security, safety, international relations & event management) provide critical support

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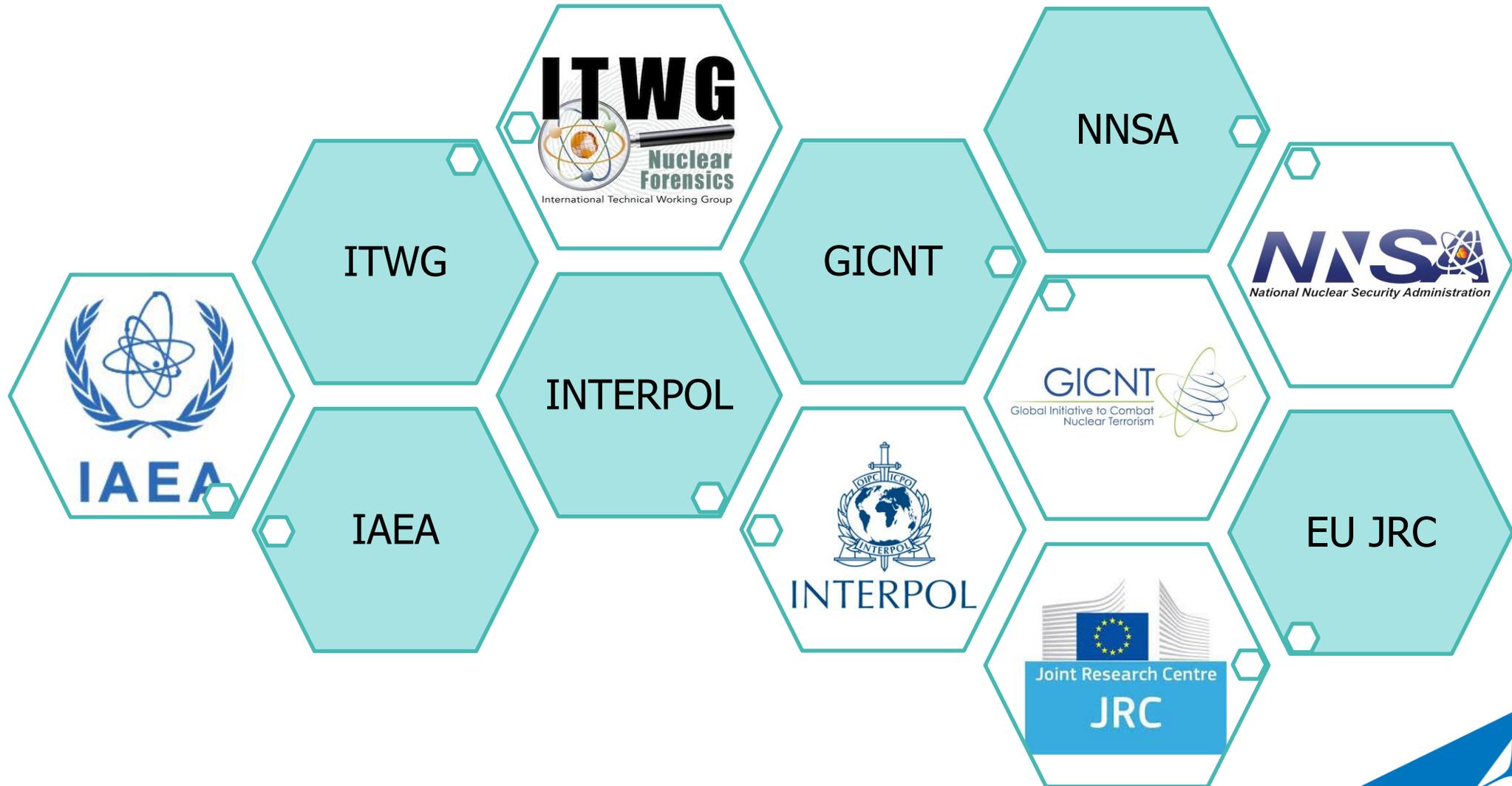
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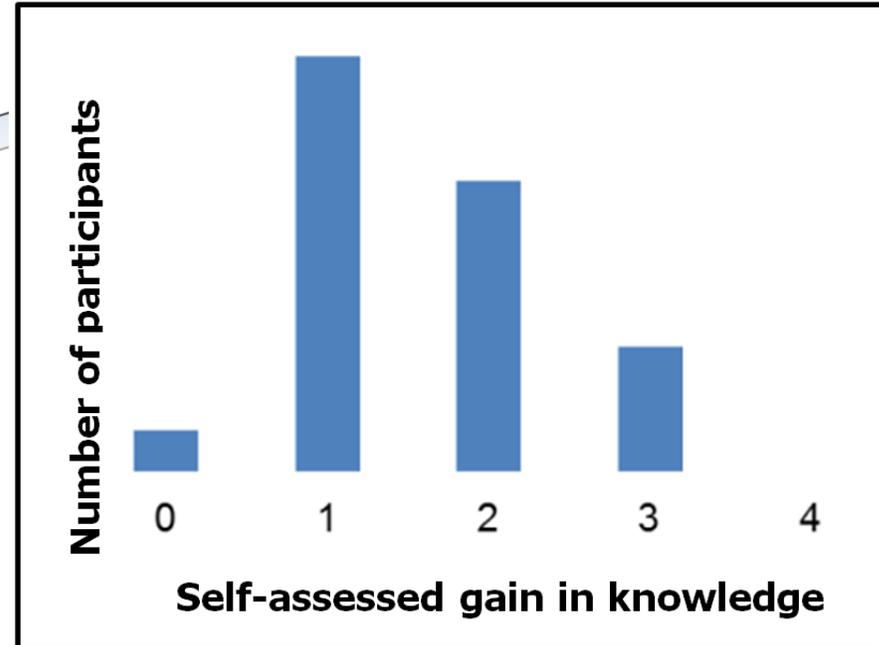
Domestic partners (e.g. AFP) support operationally relevant activities

Global providers working together?



Collecting and collating feedback

Day 1		Very Poor	Poor	Fair	Good	Very Good
Presentation - Introduction to nuclear forensics						
How would you have rated your understanding of this topic before completing this unit?	1	2	3	4	5	
How would you rate your understanding of this topic after completing this unit?	1	2	3	4	5	
How relevant was the content to your work?	1	2	3	4	5	
How clearly did the presenter deliver the content?	1	2	3	4	5	
Do you have any further comments about this session?						
Presentation - Introduction to radiation and radiation protection						
How would you have rated your understanding of this						



Participant feedback

- Appreciate the generous sharing of information, experience and laboratory tour by ANSTO scientists. They are very dedicated to their work and I learned a lot from their wide knowledge
- All topics were of interest to me – this course gave me overall view of the concepts underpinning nuclear forensics
- Practical and workshop sessions were good as it stimulates thinking on how we should prepare ourselves in the event of such an incident

Original program

	Monday	Tuesday	Wednesday	Thursday	Friday
Morning	Classroom lectures	Practical Activities A	Practical Activities A	Practical Activities A	Table top exercise Classroom lectures
Afternoon	Classroom lectures Table top exercise	Practical Activities B	Practical Activities B	Practical Activities B	

Revised program

	Monday	Tuesday	Wednesday	Thursday	Friday
Morning	Classroom lectures	Practical Activities A	Practical Activities A	Practical Activities B	Practical Activities B
Afternoon	Classroom lectures Table top exercise	Practical Activities A	Classroom lectures	Practical Activities B	Table top exercise

Teach
Teach

