

# Australian Nuclear Security Profile

## 1. International Legal Framework

Instrument	Status	Date
Convention on the Physical Protection of Nuclear Material	Ratified	22/09/1987
+ 2005 Amendment	Ratified	17/07/2008
+ Information pursuant to Article 14.1	Submitted	27/09/1991
	Updated	04/03/2014
International Convention for the Suppression of Acts of Nuclear Terrorism	Ratified	16/03/2012
UNSCR 1540 (S/AC.44/2004/(02)/53)	Date of Report	28/10/2004
UNSCR 1540 (S/AC.44/2004/(02)/53/Add.1)	First Addendum	08/11/2005
UNSCR 1540 (S/AC.44/2004/(02)/53/Add.2)	Second Addendum	14/03/2008
UNSCR 1540 (S/AC.44/2018/6)	Date of Report	07/09/2018
UNSCR 1540 Matrix	Matrix submitted	24/06/2020

## 2. Nuclear Security related Initiatives, Partnerships and Groups

Initiative, Partnership or Group	Status	Year Joined
Global Initiative to Combat Nuclear Terrorism (GICNT)	Founding Member	2006
Global Partnership	Participant	2004
Proliferation Security Initiative	Participant	2003
INTERPOL	Member	1948

## 3. Domestic Nuclear Security

Nuclear Regulatory Authorities		Web-site
Australian Safeguards and Non-Proliferation Office (ASNO) (Nuclear material and nuclear facility security)		<a href="http://www.dfat.gov.au/asno">www.dfat.gov.au/asno</a>
Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) (Radioactive sources security, nuclear installation safety and security, and emergency preparedness and response for the Commonwealth)		<a href="http://www.arpansa.gov.au">www.arpansa.gov.au</a>
Key Legislation (available on <a href="http://www.legislation.gov.au">www.legislation.gov.au</a> )		
<i>Nuclear Non-Proliferation (Safeguards) Act 1987</i>		
<i>Australian Radiation Protection and Nuclear Safety Act 1998</i>		
<i>Weapons of Mass Destruction Act 1995</i>		
<i>Customs Act 1901</i>		
Customs (Prohibited Imports) Regulations 1956 & Customs (Prohibited Exports) Regulations 1958		
Nuclear Security Requirements		
IAEA Nuclear Security Series	Australia has committed to IAEA INFCIRC/869 in which States subscribe to the fundamental principles and meeting the intent of the recommendations	
Design Basis Threat	Year of revisions: 2017, 2012, 2002, 1990.	

#### 4. Radioactive Sources

Item	Status
Support for Code of Conduct on the Safety and Security of Radioactive Sources	Australian support confirmed through political commitment pursuant to GC(47)/RES/7
Supplementary Guidance on the Import and Export of Radioactive Sources	Australian support confirmed through political commitment pursuant to GC(48)/RES/10
Supplementary Guidance on the Management of Disused Radioactive Sources	Australian support confirmed through political commitment pursuant to GC(61)/RES/8.25
National Source Network	Jurisdiction-based network of source inventories: Category 1 and 2

#### 5. Peer Review

Type	Years
International Physical Protection Advisory Service (IPPAS)	Nov 2013, Nov 2017
US Bilateral Security Visits pursuant to Australia-US Nuclear Cooperation Agreement	1976, 1987, 1991, 1997, 2003, 2005, 2013, 2018
Integrated Regulatory Review Service (IRRS)	2007, 2011, 2018

#### 6. Nuclear Forensics and Detection:

Type	Status	Years
GICNT Nuclear Forensics Working Group	Chair	2010 – 2017
	Participant	2010 - present
GICNT Response and Mitigation Working Group	Participant	2011 – present
GICNT Nuclear Detection Working Group	Participant	2010 – present
Nuclear Forensics International Technical Working Group (ITWG)	Participant	2003 – present

#### 7. Major Support and Involvement with the IAEA

Activity	Detail	Year(s)
Nuclear Security Guidance Committee (NSGC)	Member	2012 – present
	Chair	2018 – present
Emergency Preparedness and Response Standards Committee (EPReSC)	Member	2015 – present
IAEA Coordinated Research Project on the Identification of High Confidence Nuclear Forensic Signatures for the Development of Nuclear Forensics Libraries	Project agreement	2012 – 2016
IAEA Radioactive Source Security Working Group	Member	2012 – 2017
Incident and Trafficking Database	Member	1995 – present
Analytical Laboratories for the Measurement of Environmental RadioActivity (ALMERA)	Member	1995 – present
	Regional Coordinator	2020 – present
Nuclear Security Fund	Contributor	2002, 2006, 2007, 2009, 2013, 2014, 2019
International Physical Protection Advisory Service (IPPAS) Missions	Team members	2002 – present

## 8. Contributions to Outreach and Capacity Building

Activity/Event	Date
<b>Events</b>	
IAEA Regional Training Course on Computer Security Incident Response for Nuclear Facilities, Sydney	March 2020
International Training Course on the Security of Radioactive Material in Transport, Beijing, China.	September 2019
IAEA Regional training course of nuclear forensics, Sydney	February 2019
GICNT workshop “Panda Warrior”, Beijing, China	October 2018
Expert Mission to Finalize Transport Security Regulations For the Socialist Republic of Vietnam.	August 2018
Regional Workshop to Promote the Universalisation of the Amendment to the CPPNM	May 2018
GICNT workshop “Destiny Elephant”, Bangkok, Thailand	March 2018
IAEA Regional training course of nuclear forensics, Sydney	October 2017
GICNT ‘Presenting nuclear forensics findings in court’ workshop, Germany	June 2017
IAEA Regional Training Course on Safeguards and Nuclear Security for Small Quantities Protocol Countries	December 2016
EPREV Mission, Jakarta	October 2016
APEX GOLD: Ministerial Level Scenario-based Policy Discussion, San Francisco	February 2016
ANSTO-BATAN Knowledge exchange on nuclear forensics	November 2016
GICNT Nuclear Forensics Working Group Experts Meeting, Italy	November 2016
GICNT 10 <sup>th</sup> Anniversary Meeting, the Netherlands	June 2016
GICNT "Kangaroo Harbour" workshop and exercise, Sydney	May 2016
GICNT Implementation and Assessment Group meeting	
Sponsored the Nuclear Security Summit Gift Basket Joint Statement on Forensics in Nuclear Security	March 2016

## 9. Voluntary Commitments referenced in IAEA Information Circulars

IAEA INFCIRC	Joint Statement Title	INFCIRC Date
INFCIRC/869	Strengthening of Nuclear Security Implementation	02/10/14
INFCIRC/899	Nuclear Security Contact Group	02/11/16
INFCIRC/904	Supporting Nuclear and Radiological Terrorism Preparedness and Response Capabilities	14/12/16
INFCIRC/905	National Nuclear Detection Architectures	14/12/16
INFCIRC/908	Mitigating Insider Threats	09/01/17
INFCIRC/909	Transport Security of Nuclear Materials	10/01/17
INFCIRC/910	Strengthening the Security of High Activity Sealed Sources	30/12/16
INFCIRC/912	Minimising and Eliminating the use of Highly Enriched Uranium in Civilian Applications	16/02/17
INFCIRC/917	Forensics in Nuclear Security (Australia is sponsor)	20/04/17
INFCIRC/918	Countering Nuclear Smuggling	19/04/17