

Japan's Activities for Nuclear Non-Proliferation and Safeguards

Asia-Pacific Safeguards Network (APSN)

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CULTURE, SPORTS,
SCIENCE AND TECHNOLOGY-JAPAN

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Relationships between International Agreements and Domestic Laws

Nuclear Nonproliferation Treaty (NPT) (1970)

Comprehensive Safeguards Agreement between
the Agency and the Government of Japan
(including Facility Attachment) (Dec. 1977)

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Additional Protocol
(Dec. 1999)

Domestic Regulations: Atomic Energy Basic Law(1955),
Act on the Regulation of Nuclear Source Material,
Nuclear Fuel Material and Reactors (1957) etc.

Bilateral Cooperation Agreements: USA(1955,58,68),UK(1958,68),France(1972),
Canada(1960), Australia(1972),China(1985),Euratom(2006),Kazakhstan(2011)



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Basic Policy and Regulation

(Main Laws)

1. Atomic Energy Basic Law (1955)
 - Provides basic principles of the nuclear activities in Japan
 - Strictly restricts nuclear activities to peaceful purposes
2. Act on the Regulation of Nuclear Source Material, Nuclear Fuel Material and Reactors (1957)
 - **Secures the peaceful purposes principle** and safety
 - **Fulfills the international commitment under treaties and agreements**

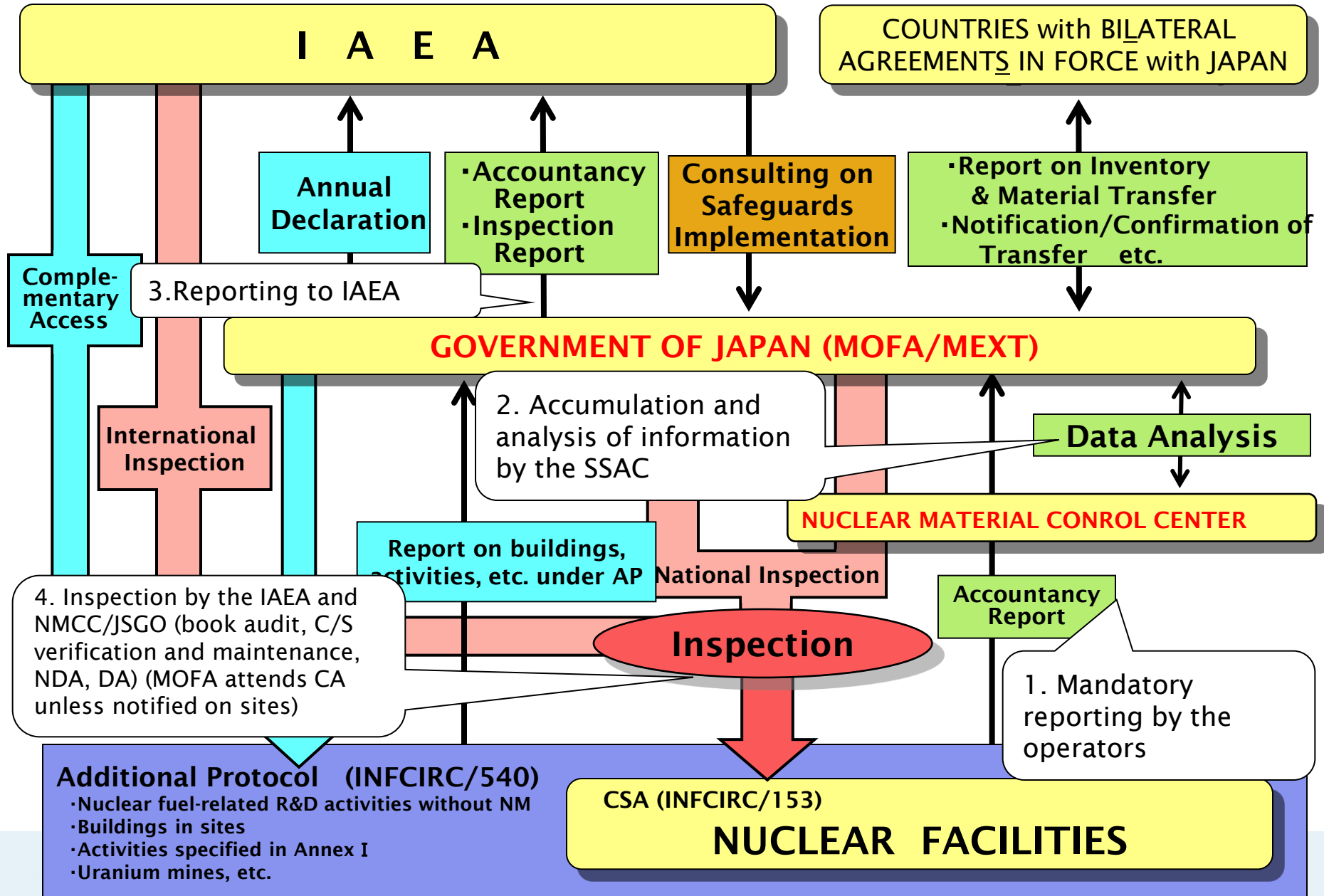
(Basic Policies)

1. Three Non-nuclear Principles (adopted by every Cabinet since 1967)
 - Not possessing, making, nor allowing nuclear weapons into Japan
2. Framework for Nuclear Energy Policy (2005) (Decided by Atomic Energy Commission every five years)
 - Specifies detailed policies and programs including non-proliferation issues
 - **Promote the international cooperation in 3S through the exchange of info. and experience**

All SG activities are defined by the legal structure




The legal structure is the basis of all SG activities

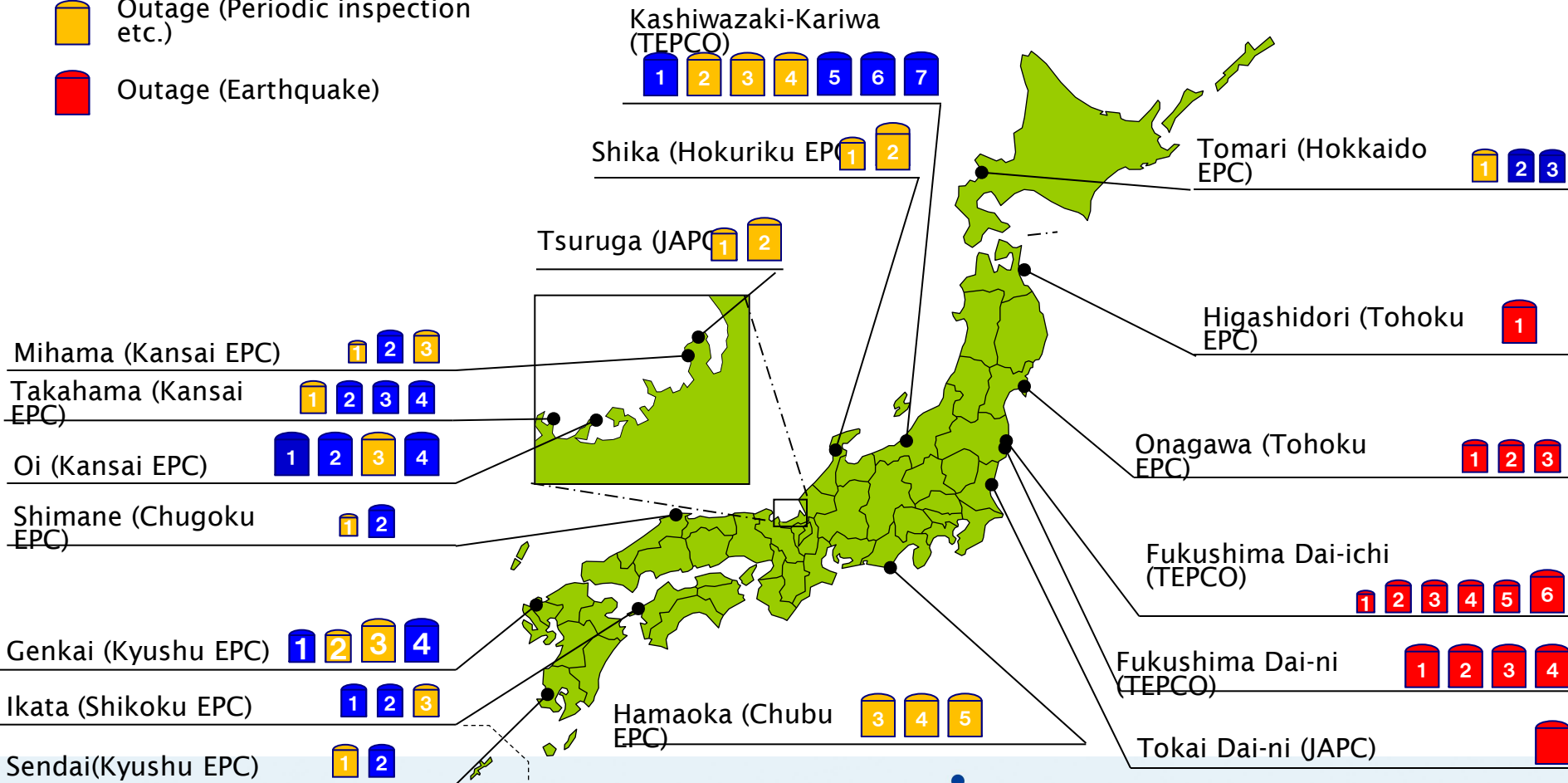
Structure of Japan's Safeguards System



Nuclear Power Stations in Japan

54 units (30 units of BWR and 24 units of PWR, total 49GW) in 17 sites

-  In operation
-  Outage (Periodic inspection etc.)
-  Outage (Earthquake)



(as of May 31st)

Number of Facilities, Material Accountancy reports and PDIs in 2010

PDI: Person Day of Inspection

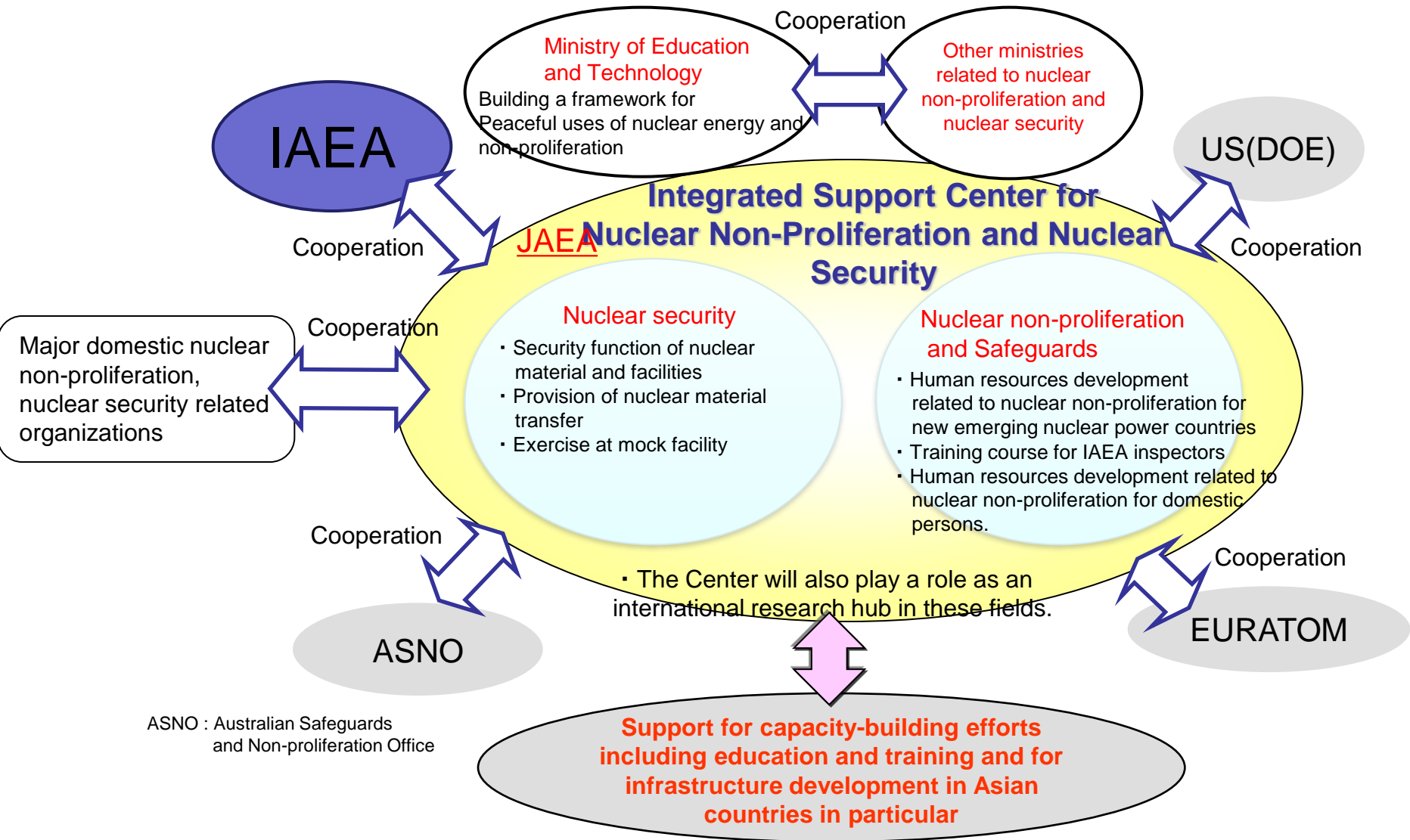
Categories	Number of Facilities and LOFs		Number of Material Accountancy		Persons Day of National Inspection			
	Reports	Data	Reports	Data		JSGO	NMCC	Reference (In 2009)
Refining	-	-	-	-	-			
Fabrications	6	6	486	31,605	330	24	306	283
Reactors	81	76	3,323	295,043	599	46	553	687
Reprocessing	3	3	832	71,884	1,038	106	932	1,060
R&Ds, LOFs	209	32	1,931	85,589	417	31	386	364
Subtotal	299	117	6,572	484,121	2,384	207	2,177	2,394
DIV	-	-	-	-	81	81	-	80
CA	-	-	-	-	39	39	-	45
Total	299	117	6,572	484,121	2,504	327	2,177	2,519

Total Inspectors:51(75) Total Budget for SG:\$38M (2010)

The role and activities of the Integrated Support Center for Nuclear Nonproliferation and Nuclear Security

1. Initiative by **Japan's National Statement at the Nuclear Security Washington Summit on 12th April 2010**
2. **Established on 27th Dec. 2010 in JAEA in Tokai**
(15M\$(2011), 21 experts and Staff (as of June 2010))
3. **Assist, establish, maintain and expand the human capital base in the field of safeguards** and Security for continuous peaceful use of nuclear energy in Japan and Asia Pacific region
4. The center provides:
 - Training course on nuclear security
 - Training course on **SG and SSAC** (Vietnam (TBD))
 - Training course on the **international nuclear non-proliferation framework** (Kazakhstan(6/7-8), Mongol(8/9-10))

Outline of the Center



Lecturers will be invited from both domestic and foreign/international entities including the IAEA
Mock physical protection facility and/or virtual reality systems will be built for training.

Thank you for your attention

(Thank very much you for the warm condolence and encouraging words on the Great East Japan Earthquake and the accident of Fukushima No.1 Nuclear power plants)