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Abstract

Since the incident of the illicit trafficking of nuclear materials was increased with the collapse of the former Soviet Union and the birth of Newly Independent States in 1991, the international community as well as International Atomic Energy Agency (IAEA) developed a Illicit Trafficking Database Program(ITDP) to prevent the illicit trafficking worldwide and requested the member States to participate it. Also, with occurrence of September 11th terrorism in USA, the international community perceived the significance of the physical protection of nuclear facilities and radioactive materials and the illicit trafficking of nuclear material has been eventually considered as a threat against the nuclear facilities. In this circumstances, IAEA State members have been discussing the countermeasures against the illicit trafficking. This study suggests a countermeasures through the analysis of the incidents with respect to the illicit trafficking in the past 10 years.

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					Illicit	Trafficking	Database	Program(ITDP)
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IT DP						. IAEA		20	00 9
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2. 7ŀ. 1950 , , , . , , , , , 7ŀ 7ŀ



가 . , Stanford database on nuclear smuggling, theft, and orphan radiation sources 660

	370		가	
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	IAEA		IT DP (Illicit	Trafficking
Database Program)		,	가	
MPC&A	(Nuclear Material	Protection, Cont	rol and Acc	ounting)
. Illicit Trafficking	Database Program	m		

against illicit trafficking in nuclear materials & other radioactive sources	IAEA
	against
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1996				

		. IAEA	database
1999	2		

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1998	4	가	IAEA	

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. Material Protection, Control and Accounting(MPC&A) 1992

CTR(Cooperative Threat Reduction)

MPC&A

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3. IT DP

IAEA IT DP

(WCO:World Customs Organization)

(Interpol)

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(IAEA-ITDP)











(IAEA - ITDP)



(INFCIRC 225 rev.4)

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2002			80kg			.[7]	10		
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- "Statement to the Forty-fourth Regular Session of the IAEA General Conference 2000" by IAEA Director General Dr. Mohamed El Baradei, Sep. 2000.
- [2] U.S. "Atoms for Peace" Proposal: Address of President Eisenhower to the General Assembly, Dec. 8, 1953, in Dept. of State, Documents on Disarmament, 1945-1959, p.393.
- [3] IAEA, Nuclear Research Reactors in the world, Ref. Data Series 3(Sep. 2000)
- [4] U.S. Dept. of Energy, FY 2003 Budget Request: Detailed Budget Justification: Defense Nuclear Nonproliferation(Feb. 2002) http://www.cfo.doe.gov/budget/03 budget/content/defnn/nuclenonpl.pdf.
- [5] Armando Travelli, "Status and Progress in the RERTR program in the year 2000", the 2000 International Meeting on RERTR, Las Vegas, Nevada, October 1-6, 2000.
- [6] George Bunn , "Nuclear Terrorism Potential: Research Reactors vs. Power Reactors?", Austrian Military Periodical special edition 2003, p15-p23.
- [7] Database on Nuclear Smuggling, Theft and Orphan Radiation Sources (DSTO), Center for The International Security andCooperation, Institute ofInternational Studies, Stanford University, 2002(restriced access).
- [8] KAERI/AR-576/2000, [II], Nov. 2000, p136-p144.
- [9] The Shinkolobwe mine, located near the southern Congolese town of Likasi, provided Uranium for the nuclear bombs dropped on Hiroshima and Nagasaki in 1945. It is currently under strict military control of Zimbabwean forces allied to the government of Joseph Kabila, president and son of the former Congolese leader. See Mark Huband, "Congo ' sought US help on Uranium", Financial Times(Londn), Sep. 26, 2002, p.10.