

Nuclear Disarmament	Maximum points	Scale of measurement	Nuclear-Weapon States					Non-NPT Parties			Non-Nuclear Weapon States																			Other				
			CHN	FRA	RUS	UK	USA	IND	ISR	PAK	AUS	AUT	BRA	CAN	EGY	GER	IDN	IRN	JPN	KAZ	ROK	MEX	NED	NZL	NOR	POL	SAU	RSA	SWE		SWI	SYR	TUR	PRK
C) Negative security assurances	2	0 (not declaring); 1 (declaring with reservations); 2 (declaring without reservations) Deduct 2 points for actions that violate the commitment and 1 point for words and deeds that raise doubts about the commitment	2	1	-1	1	1	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
		(not applicable to the NNWS)																																
D) Voting behavior on UNGA resolutions on legally binding security assurances for NNWS	1	0 (against); 0.5 (abstention); 1 (in favor)	1	0.5	0.5	0.5	0.5	1	0.5	1	0.5	0.5	1	0.5	1	0.5	1	1	1	1	0.5	1	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	1	0.5	0.5	
E) Signing and ratifying the protocols of the treaties on nuclear-weapon-free zones	3	Add 0.5 point for the ratification of one protocol; a country ratifying all protocols marks 3 points	2	2	2	2	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		(not applicable to the NNWS)																																
F) Relying on extended nuclear deterrence	-5	(not applicable to the NWS and Non-NPT Parties)																																
		(applied solely to the NNWS): -5 (a country relying on the nuclear umbrella and participating in nuclear sharing); -3 (a country relying on the nuclear umbrella); 0 (a country not relying on the nuclear umbrella)	-	-	-	-	-	-	-	-	-3	0	0	-3	0	-5	0	0	-3	0	-3	0	-5	0	-3	-3	0	0	0	0	0	0	-5	-
G) Nuclear risk reduction	3	NWS and Non-NPT Parties: Add 1~2 points for implementing concrete measures for nuclear risk reduction, add another 1 point for proposals and initiatives.	0	0	0	0	1	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	
		NNWS: 1 point for proposals and initiatives.	-	-	-	-	-	-	-	-	1	1	0	1	0	1	1	0	1	1	1	1	1	1	1	0	0	0	1	1	0	0	-	
H) Actions that increases nuclear risk	-3	Deduct 3 points for actions that increase nuclear risk	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	
7 De-alerting or Measures for Maximizing Decision Time to Authorize the Use of Nuclear Weapons	4																																	
De-alerting or measures for maximizing decision time to authorize the use of nuclear weapons	4	0~1 (maintaining a high alert level); 2 (maintaining a certain alert level); 3 (de-alerting during peacetime); add 1 point for implementing measures for increasing the credibility of (lowered) alert status	2	2	1	2	1	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	
		(not applicable to the NNWS)																																
8 CTBT	12																																	
A) Signing and ratifying the CTBT	4	0 (not signing); 2 (not ratifying); 4 (ratifying)	2	4	2	4	2	0	2	0	4	4	4	4	2	4	4	2	4	4	4	4	4	4	4	4	0	4	4	4	0	4	0	
B) Moratoria on nuclear test explosions pending CTBT's entry into force	3	0 (not declaring); 2 (declaring); 3 (declaring and closing nuclear test sites)	2	3	2	2	2	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0		
		(not applicable to the NNWS)																																
C) Voting behavior on the UNGA resolution on the CTBT	1	0 (against); 0.5 (abstention); 1 (in favor)	1	1	1	1	1	0.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.5	1	1	1	0.5	1	0		
D) Cooperation with the CTBTO Preparatory Commission	2	0 (no cooperation or no information); 1~2 (paying contributions, actively participating in meetings, and actively engaging in outreach activities for the treaty's entry into force)	1	1	2	2	2	0	1	0	2	1	0	1	1	1	0	2	2	1	2	1	2	1	1	0	0	1	2	0	1	0		

Nuclear Non-Proliferation	Maximum points	Scale of measurement	Nuclear-Weapon States					Non-NPT Parties			Non-Nuclear Weapon States																		Other				
			CHN	FRA	RUS	UK	USA	IND	ISR	PAK	AUS	AUT	BRA	CAN	EGY	GER	IDN	IRN	JPN	KAZ	ROK	MEX	NED	NZL	NOR	POL	SAU	RSA	SWE	SWI	SYR	TUR	PRK
4	Cooperation with the IAEA	4																															
	A) Cooperation with the IAEA	4	1	3	1	3	3	0	0	0	3	2	1	3	0	3	1	0	3	0	3	1	3	2	2	2	0	2	3	3	0	2	0
	B) Behaviors impeding IAEA activities	-2	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0
5	Implementing Appropriate Export Controls on Nuclear-Related Items and Technologies	15																															
	A) Establishment and implementation of the national control systems	5	3	5	4	5	5	4	5	2	5	5	5	5	2	5	1	0	5	5	5	5	5	5	5	5	1	5	5	5	0	5	0
	B) Requiring the conclusion of an Additional Protocol for nuclear export	2	0	0	0	0	1	0	0	0	1	1	0	1	0	1	0	0	1	0	0	1	1	1	1	1	0	0	1	0	0	1	0
	C) Implementation of the UNSCRs concerning North Korean and Iranian nuclear issues	3	0	3	0	3	3	2	2	1	3	3	2	3	2	3	2	1	3	2	3	3	3	3	3	2	2	3	3	3	0	2	0
	D) Participation in the PSI	2	0	2	0	2	2	0	1	0	2	0	0	2	0	2	0	0	2	1	2	0	2	2	2	2	1	0	1	1	0	2	0
	E) Civil nuclear cooperation with non-parties to the NPT	3	0	0	0	1	0	—	—	—	1	3	3	0	3	3	3	3	1	0	0	3	3	3	3	3	3	3	3	3	3	3	0
6	Transparency in the Peaceful Use of Nuclear Energy	4																															
	A) Reporting on the peaceful nuclear activities	2	2	2	2	2	2	2	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	2	0
	B) Reporting on plutonium management	2	0	2	1	2	1	0	0	0	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0
	Points		27	39	25	41	39	15	12	8	56	52	43	52	37	56	48	25	53	49	51	50	55	57	54	53	33	54	54	53	20	53	0
	Full Points		47	47	47	47	47	43	43	43	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
	%		57.4	83.0	53.2	87.2	83.0	34.9	27.9	18.6	91.8	85.2	70.5	85.2	60.7	91.8	78.7	41.0	86.9	80.3	83.6	82.0	90.2	93.4	88.5	86.9	54.1	88.5	88.5	86.9	32.8	86.9	0.0
2023 Edition	Points		29	40	29	41	39	15	13	9	56	52	42	52	37	56	48	25	53	49	51	50	55	57	54	53	33	54	54	53	21	53	0
	Full Points		47	47	47	47	47	43	43	43	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
	%		61.7	85.1	61.7	87.2	83.0	34.9	30.2	20.9	91.8	85.2	68.9	85.2	60.7	91.8	78.7	41.0	86.9	80.3	83.6	82.0	90.2	93.4	88.5	86.9	54.1	88.5	88.5	86.9	34.4	86.9	0.0

Numbers in blue cells improved compared to the *Hiroshima Report 2023* . Numbers in pink cells worsened compared to the *Hiroshima Report 2023* .

Nuclear Security	Maximum points	Scale of measurement	Nuclear-Weapon States					Non-NPT Parties			Non-Nuclear Weapon States																Other			
			CHN	FRA	RUS	UK	USA	IND	ISR	PAK	AUS	BEL	BRA	CAN	FIN	GER	IRN	JPN	KAZ	ROK	MEX	NED	NOR	RSA	SWE	SWI		TUR	UAE	PRK
G) Enactment of laws and establishment of regulations for the national implementation	3	0 (not established domestic laws and regulations nor the national implementation system) 1: Establishment of CPPNM Implementation Authority 1: National Legal Framework for A/CPPNM 1: Submission of information in accordance with Article 14.1	3	3	3	3	3	1	3	2	3	2	2	3	3	3	0	3	3	3	3	3	3	1	3	3	2	2	0	
H) INFCIRC/225/Rev.5	4	0 (not applied or no information) · Average score of Security & Control Measures and Protect Facilities in the NTI Nuclear Security Index 2023 are used. 4 (80 points or above); 3 (60 points or above); 2 (50 points or above); 1 (35 points or above); 0 (Less than 35 points)	3	3	2	4	3	1	2	2	4	4	3	4	4	4	0	4	3	4	2	4	4	2	4	4	3	3	0	
3 Efforts to Maintain and Improve the Highest Level of Nuclear Security	17																													
A) Minimization of HEU in civilian use	4	0 (no effort or no information); 1 (limited efforts: efforts made in the past); 3 (active efforts); add 1 (commitment to further enhancement) Breakdown of 3 (active efforts): 2: Reduction in 2023 or complete removal in the past; 1: Ongoing efforts (including technology development efforts)	1	0	0	1	3	1	1	0	1	2	3	1	2	1	0	3	3	3	3	2	3	1	3	3	3	2	0	
B) Acceptance of international nuclear security review missions	4	0 (none or no information) 2: Accepted in 2023 (1: Announcement of future mission) 1: Acceptance of review mission within the last 5 years or accepted more than two missions in the past 1: Making part of mission report available to the public	0	1	0	2	1	0	0	0	2	1	0	1	3	1	0	3	0	0	0	4	1	0	2	3	1	0	0	
C) Technology development — nuclear forensics	2	0 (no effort or no information); 1 (some efforts: Participation in ITWG, CMX, INFCIRC/917, etc.); 2 (active efforts: Implementation or announcement of major activities in 2023)	1	2	1	2	2	1	1	1	2	1	1	2	2	2	0	2	1	2	2	2	2	1	2	2	1	1	0	

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				CHN	FRA	RUS	UK	USA	IND	ISR	PAK	AUS	BEL	BRA	CAN	FIN	GER	IRN	JPN	KAZ	ROK	MEX	NED	NOR	RSA	SWE	SWI	TUR	UAE	PRK
	D) Capacity building and support activities	2	0 (not implemented or no information); 1 (implementing: establishment of COE or relevant organizations, participation in training courses, workshops, etc., regional and international support activities); 2 (actively implementing: new major activities in 2023)	1	1	1	2	2	1	0	1	0	1	1	2	2	1	0	2	2	2	1	1	0	1	1	1	1	0	0
	E) IAEA Nuclear Security Plan and Nuclear Security Fund	2	0 (no contribution or information); 1 (made contributions: contributions made in 2023); 2 (made active contributions: continuous contributions (*points added if contributions have been made continuously over the years even if contributions cannot be confirmed in 2023))	2	2	2	2	2	0	0	0	0	1	0	2	2	2	0	2	0	2	0	2	2	0	2	2	0	0	0
	F) Participation in international efforts	3	0 (not participating); 1 (participating in two or more frameworks); 2 (participating in four or more frameworks; add 1 point if contributing actively)	1	3	1	3	3	1	2	1	3	3	0	3	3	3	0	3	3	3	3	3	1	3	2	1	1	0	
4	Responding to Nuclear Security Threats Posed by States	-2																												
	A) Commitment to international norms prohibiting attacks against nuclear facilities for peaceful uses, and strengthening of efforts	1	0 (none, no information); 1 (statement of commitment, proposal, etc.)	1	1	0	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
	B) Attack against nuclear facilities	-3	0 (none); -3 (attacked nuclear facilities)	0	0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Points				18	18	5	23	20	10	15	12	28	26	22	30	34	28	4	31	26	32	27	33	31	18	33	32	26	22	-1
Full Points				38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
%				47.4	47.4	13.2	60.5	52.6	26.3	39.5	31.6	73.7	68.4	57.9	78.9	89.5	73.7	10.5	81.6	68.4	84.2	71.1	86.8	81.6	47.4	86.8	84.2	68.4	57.9	-2.6
2023 Edition	Points			18	19	8	22	21	10	14	12	28	23	20	30	32	28	4	29	24	29	24	29	27	17	31	28	26	22	-1
	Full Points			38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
	%			47.4	50.0	21.1	57.9	55.3	26.3	36.8	31.6	73.7	60.5	52.6	78.9	84.2	73.7	10.5	76.3	63.2	76.3	63.2	76.3	71.1	44.7	81.6	73.7	68.4	57.9	-2.6

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