	Evaluation criteria	Maximum point		Scale of measurement	Scale of measurement (applied solely to the NNWS)	CHN	FRA	RUS	UK	USA	IND	ISR	PAK	IRN	SYR	AUS	BRA	GER	JPN	ROK	RSA	SWE	SWI
	Nuclear Disarmament																						
1	**The number of nuclear weapons (estimates)**	**-20**		-5 (～50); −6 （51～100）；−8 （101～200）；−10 （201～400）；−12 （401～1000）；−14 （1001～2000）；−16 （2001～4000）；−17 （4001～6000）；−19 （6001～8000）；−20 （8001～）	(not applicable to the NNWS)	-10	-10	-20	-10	-19	-6	-6	-8	–	–	–	–	–	–	–	–	–	–
2	**Commitment to achieving a world without nuclear weapons**	**11**																					
	A) Voting behavior on the UNGA resolutions on nuclear disarmament proposed by Japan, NAC, and NAM, respectively		6	On each resolution: 0 (against); 1 (abstention); 2 (in favor)		4	2	3	2	2	2	1	3	5	5	4	5	4	5	5	5	5	4
	B) Voting behavior on the UNGA resolution calling for commencement of negotiations on a Nuclear Weapons Convention		2	0 (against); 1 (abstention); 2 (in favor)		2	0	0	0	0	2	0	2	2	2	1	2	0	1	1	2	2	2
	C) Announcement of significant policies and important activities, such as, holding major conference		3	Add 1 point for each policy, proposal, conference, and other initiatives having a major impact on the global momentum toward a world without nuclear weapons (maximum 3 points).		0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	1	0	1
3	**Reduction of nuclear weapons**	**22**																					
	A) Reduction of nuclear weapons in the past 5 years		15	Firstly, add 2 (engaging in nuclear weapons reduction); 2 (reduction under legally-binding frameworks); 3 (announcing or agreeing further reductions in the surveying years). Secondly, add 1-9 points in accordance with the rate of reduction from the previous fiscal year for a country having declared the number of their nuclear weapons. For a country having not declared it, add points using the following formula: (previous target - latest target)/estimated	(not applicable to the NNWS)	0	2	5	4	5	0	0	0	–	–	–	–	–	–	–	–	–	–
	B) A concrete plan for further reduction of nuclear weapons		3	0 (no announcement on a plan of nuclear weapons reduction); 1 (declaring a rough plan of nuclear weapons reduction); 2 (declaring a plan on the size of nuclear weapons reduction); 3 (declaring a concrete and detailed plan of reduction)	(not applicable to the NNWS)	0	0	0	0	1	0	0	0	–	–	–	–	–	–	–	–	–	–
	C) Trends on strengthening/modernizing nuclear weapons capabilities		4	0 (modernizing/reinforcing nuclear forces in a backward move towards nuclear weapons reduction; 2～3 (modernizing/reinforcing nuclear forces which may not lead to increasing the number of nuclear weapons; 4 (not engaging in nuclear modernization/reinforcement)	(not applicable to the NNWS)	2	3	3	3	3	2	2	0	–	–	–	–	–	–	–	–	–	–
4	**Diminishing the role and significance of nuclear weapons in national security strategies and policies**	**16**																					
	A) The current status of the roles and significance of nuclear weapons in the national security strategies and policies, as well as military alliance		8	0～1 (judged based on the declaratory policy)	3 (a country relying on the nuclear umbrella and participating in nuclear sharing); 5 (a country relying on the nuclear umbrella); 8 (a country not relying on the nuclear umbrella)	1	1	1	1	1	1	1	1	8	8	5	8	3	5	5	8	8	8
	B) Commitment to the "sole purpose," no first use, and related doctrines		3	0 (not adopting either policy); 2 (adopting a similar policy or expressing its will to adopt either policy in the future); 3 (already adopting either policy)	(not applicable to the NNWS)	3	0	0	0	2	3	0	0	–	–	–	–	–	–	–	–	–	–
	C) Negative security assurances		2	0 (not declaring); 1 (declaring with reservations); 2 (declaring without reservations)	(not applicable to the NNWS)	2	1	1	1	1	2	0	2	–	–	–	–	–	–	–	–	–	–
	D) 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	(not applicable to countries expect NWS)	3	3	2	3	1	–	–	–	–	–	–	–	–	–	–	–	–	–
5	**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); 1 (implementing measures for increasing the credibility of (lowered) alert status)	(not applicable to the NNWS)	3	2	1	2	1	3	2	3	–	–	–	–	–	–	–	–	–	–
6	**CTBT**	**14**																					
	A) Signing and ratifying the CTBT		4	0 (not signing); 2 (not ratifying); 4 (ratifying)		2	4	4	4	2	0	2	0	2	0	4	4	4	4	4	4	4	4
	B) The moratorium on nuclear test explosions pending CTBT's entry into force		3	0 (not declaring); 2 (declaring); 3 (declaring and closing the nuclear test sites)	(not applicable to the NNWS)	2	3	2	2	2	2	0	2	–	–	–	–	–	–	–	–	–	–
	C) Cooperation with the CTBTO Preparatory Commission: contributions to the Commission and active participation in its meeting and other activities		2	0 (no cooperation or no information); 1～2 (paying contributions, actively participating in meetings, and actively engaging in the outreach activies for the Treaty's entry into force)		1	2	2	1	0.5	0	1	0	0	0	2	1	1	2	2	1	1	1
	D) Contribution to the development of the CTBT verification systems (IMS, OSI, and other verification technologies)		2	add 1 (establishing and operating the IMS); 1 (participating in the discussions on enhancing the CTBT verification capabilities)		1	2	2	2	2	0	2	0	1	0	2	2	2	2	1	1	1	1
	E) Nuclear Testing		3	0 (conducting nuclear test explosions in the past 5 years); 2 (conducting nuclear tests without explosion or the status is unclear); 3 (not conducting any nuclear tests)	(not applicable to the NNWS)	2	2	2	2	2	2	2	2	–	–	–	–	–	–	–	–	–	–
7	**FMCT**	**10**																					

	Evaluation criteria	Maximum point		Scale of measurement	Scale of measurement (applied solely to the NNWS)	CHN	FRA	RUS	UK	USA	IND	ISR	PAK	IRN	SYR	AUS	BRA	GER	JPN	ROK	RSA	SWE	SWI
	A) Commitment, efforts, and proposals toward immediate commencement of negotiations on an FMCT		5	Add 1 (expressing a commitment); 1～2 (actively engaging in the promotion of early commencement); 1～2 (making concrete proposals on the start of negotiations)		1	3	1	3	3	1	1	0	0	0	4	3	4	4	3	3	3	3
	B) Moratorium on the production of fissile material for use in nuclear weapons		3	0 (not declaring); 1 (not declaring but not producing fissile material for nuclear weapons); 2 (declaring); 3 (declaring and taking measures for the cessation of the production as declared)	(not applicable to the NNWS)	1	2	3	2	2	0	0	0	–	–	–	–	–	–	–	–	–	–
	C) Contribution to the development of verification measures, including research and development		2	0 (no contribution or no information); 1 (proposing a research on verification measures); 2 (engaging in R&D for verification measures)		0	1	0	1	1	0	0	0	0	0	1	0	1	1	1	0	1	0
8	**Transparency regarding nuclear forces, fissile material for nuclear weapons, and nuclear strategy/doctrine**	6		Add 1～2 (disclosing the nuclear strategy/doctrine); 1～2 (disclosing the status of nuclear forces); 1～2 (disclosing the status of fissile material usable for nuclear weapons	(not applicable to the NNWS)	1	2	2	5	5	1	0	0	–	–	–	–	–	–	–	–	–	–
9	**Verifications of nuclear weapons reductions**	7																					
	A) Acceptance and implementation of verification for nuclear weapons reduction		3	0 (not accepting or implementing); 2 (limited acceptance and implementation); 3 (accepting and implementing verification with comprehensiveness and completeness); reduce 1～2 points in case of non-compliance or problems in implementation)	(not applicable to the NNWS)	0	0	3	0	3	0	0	0	–	–	–	–	–	–	–	–	–	–
	B) Engagement in research and development for verification measures of nuclear weapons reduction		1	0 (not engaging or no information); 1 (engaging in R&D)		0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	C) The IAEA inspections to fissile material declared as no longer required for military purposes		3	0 (not implementing), 1(limited implementation); 3 (implementing); add 1 point if a country engages in the efforts for implementing or strengthening the implementation, except in the case of already implementing	(not applicable to the NNWS)	0	0	0	1	1	0	0	0	–	–	–	–	–	–	–	–	–	–
10	**Irreversibility**	7																					
	A) Implementing or planning dismantlement of nuclear warheads and their delivery vehicles		3	0 (not implementing or no information); 1 (perhaps implementing but not clear); 3 (implementing)	Add one point in case of engaging in support for dismantlement (maximum 2 points)	0	1	3	1	3	0	0	0	0	0	1	0	1	1	1	0	1	1
	B) Decommissioning/conversion of nuclear weapons-related facilities		2	0 (not implementing or no information); 1 (implementing in a limited way); 2 (implementing extensively)	Add one point in case of engaging in support (maximum 2 points)	0	1	1	1	1	0	0	0	0	0	1	0	1	1	1	0	1	1
	C) Measures for the fissile material declared excess for military purposes, such as disposition or conversion to peaceful purposes		2	0 (not implementing or no information); 1 (implementing in a limited way); 2 (implementing); 3 (implementing extensively)	(not applicable to the NNWS)	0	0	2	1	2	0	0	0	–	–	–	–	–	–	–	–	–	–
11	**Disarmament and non-proliferation educations and cooperation with civil society**	4		Add 1 (submitting a report to the UN); 1～2 (implementing disarmament and non-proliferation education); 1 (cooperating with civil society)		0	1	1	2	2	1	1	0	0	0	2	1	2	3	1	1	1	3
	Point					21	28	24	35	31.5	16	9	7	18	15	28	27	24	30	25	26	28	29
	Full Point					101	101	101	101	101	98	98	98	43	43	43	43	43	43	43	43	43	43

	Evaluation criteria	Maximum point		Scale of measurement	CHN	FRA	RUS	UK	USA	IND	ISR	PAK	IRN	SYR	AUS	BRA	GER	JPN	ROK	RSA	SWE	SWI	PRK
	Nuclear Non-proliferation																						
1	**Non-proliferation commitment**	**20**																					
	A) Accession to the NPT		10	0 (not signing or declaring withdrawal); 3 (not ratifying); 10 (in force)	10	10	10	10	10	0	0	0	10	10	10	10	10	10	10	10	10	10	0
	B) Compliance with Article 1 and 2 of the NPT and the UNSC Resolutions on Non-Proliferation		7	0 (non-complying with Article I or II of the NPT); 3～4 (having not yet violated Article I or II of the NPT but displaying behaviors that raise concerns about proliferation, or not complying with the UNSC resolutions adopted for relevant nuclear issues); 7 (complying). As for the non-NPT states: 2 (not complying with the UNSC resolutions adopted for relevant nuclear issues); 3 (other cases)	7	7	7	7	7	2	3	2	3	4	7	7	7	7	7	7	7	7	0
	C) Establishment of the Nuclear-Weapon-Free Zones		3	1 (signing the NWFZ treaty); 3 (ratifying the treaty)	–	–	–	–	–	0	0	0	0	0	3	3	0	0	0	3	0	0	0
2	**IAEA Safeguards (Applicable to the NPT NNWS)**	**18**																					
	A) Signing and Ratifying a Comprehensive Safeguards Agreement		4	0 (not signing); 1 (not ratifying); 4 (in force)	–	–	–	–	–	–	–	–	4	4	4	4	4	4	4	4	4	4	4
	B) Signing and Ratifying an Additional Protocol		5	0 (not signing); 1 (not ratifying); 5 (in force)	–	–	–	–	–	–	–	–	1	0	5	0	5	5	5	5	5	5	0
	C) Implementation of the integrated safeguards		4	0 (not implementing); 4 (implementing)	–	–	–	–	–	–	–	–	0	0	4	0	4	4	4	0	4	0	0
	D) Compliance with the IAEA Safeguards Agreement		5	0 (not resolving the non-compliance issue); 5 (complying)	–	–	–	–	–	–	–	–	0	0	5	5	5	5	5	5	5	5	0
3	**IAEA Safeguards (Applicable to the NWS and Non-Parties to the NPT)**	**7**																					
	A) Application of the IAEA safeguards (VOA or INFCIRC/66) to Their Peaceful Nuclear in Facilities		3	0 (not applying); 1～2 (applying INFCIRC/66); 3 (applying VOA)	3	3	3	3	3	2	1	1	–	–	–	–	–	–	–	–	–	–	–
	B) Signing, ratifying, and implementing an Additional Protocol		4	0 (not signing); 1 (not ratifying); 3 (in force); add 1 point if widely applied to peaceful nuclear activities	3	3	3	3	3	1	0	0	–	–	–	–	–	–	–	–	–	–	–
4	**Cooperation with the IAEA**	**4**																					
	A) Efforts for strengthening the safeguards (e.g. development of the safeguards technology and promotion of the universality of the Additional Protocol)		3	1 (contributing to the development of verification technologies); 1～2 (contributing to the universalization of the AP); 1 (other efforts)	1	3	1	3	3	0	0	0	0	0	3	1	3	3	2	1	2	1	0
	B) Extrabudgetary contributions to the IAEA		1		0	1	1	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0
5	**Nuclear Export Controls**	**12**																					
	A) Establishment and implementation of the national implementation system		5	0 (not establishing); 1 (establishing but insufficient); 2 (establishing a system to a certain degree); 3 (establishing an advanced system, including the Catch-all); add 1～2 (if continuing to implement appropriate export controls); deduct 1～2 (not adequately implementing)	3	5	4	5	5	4	5	1	0	0	5	5	5	5	5	5	5	5	0
	B) Requiring the Conclusion of the AP for Nuclear Export		2	0 (not requiring or no information); 1 (requiring for some cases); 2 (requiring)	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	C) Implementation of the USSCR on North Korean and Iranian nuclear issues		3	0 (not implementing or no information); 2 (implementing); 3(actively implementing); deduct 1～3 (depending on the degree of violation)	1	3	2	3	3	2	2	0	0	0	3	2	3	3	3	3	3	3	0
	D) Participation in the PSI		2	0 (not participating); 1 (participating); 2 (actively participating)	0	2	2	2	2	0	1	0	0	0	2	0	2	2	2	0	1	1	0
6	**Transparency in the peaceful use of nuclear energy**	**4**																					
	A) Reporting on the peaceful nuclear activities		2	0 (not reporting or no information); 1 (reporting but insufficiently); 2 (reporting)	2	2	2	2	2	2	0	2	1	0	2	2	2	2	2	2	2	2	0
	B) Reporting on plutonium management		2	0 (not reporting or no information); 1 (reporting); 2 (reporting on not only plutonium but also uranium). Add 1 (ensuring a high level of transparency in plutonium although not being obliged to report)	1	2	1	2	1	0	0	0	1	0	1	1	2	1	1	1	1	1	0
	Point				**31**	**41**	**36**	**41**	**41**	**13**	**12**	**6**	**20**	**18**	**54**	**40**	**53**	**53**	**51**	**46**	**49**	**44**	**4**
	Full Point				**44**	**44**	**44**	**44**	**44**	**47**	**47**	**47**	**58**	**58**	**58**	**58**	**58**	**58**	**58**	**58**	**58**	**58**	**58**

	Evaluation criteria	Maximum point		Scale of measurement	CHN	FRA	RUS	UK	USA	IND	ISR	PAK	IRN	SYR	AUS	BRA	GER	JPN	ROK	RSA	SWE	SWI
	Nuclear Security																					
1	**The amount of fissile material usable for nuclear weapons**	-16		Firstly, -3 (if possessing fissile material usable for nuclear weapons). Then, deduct if. ・ HEU: -5 (>100t) ; -4 (>20t); -3 (>10t); -2 (>1t); -1 (possessing less than 1t) ・Weapon-grade Pu: -5 (>100t); -4 (>20t); -3 (>10t); -2 (>1t); -1 (possessing less than 1t) ・Reactor-grade Pu: -3 (>10t); -2 (>1t); -1 (possessing less than 1t)	-9	-12	-16	-12	-12	-7	-6	-6	0	0	0	0	-4	-6	0	0	0	-4
2	**Accession to and Participation in Treaties and Other International Frameworks and Application to the National Implementation System**	21																				
	A) Convention on the Physical Protection of Nuclear Material and the 2005 Amendment to the Convention		3	0 (not signing the Treaty); 1 (not ratifying the Treaty); 2 (not signing or ratifying the Amendment); 3 (both the Treaty and Amendment in force)	3	2	3	3	2	3	3	2	0	0	3	2	3	2	2	2	3	3
	B) International Convention for the Suppression of Acts of Nuclear Terrorism		2	0 (not signing); 1 (not ratifying); 2 (in force)	2	1	2	2	1	2	1	0	0	0	2	2	2	2	1	2	1	2
	C) Convention on Nuclear Safety		2	0 (not signing); 1 (not ratifying); 2 (in force)	2	2	2	2	2	2	1	2	0	0	2	2	2	2	2	2	2	2
	D) Convention on Early Notification of a Nuclear Accident		2	0 (not signing); 1 (not ratifying); 2 (in force)	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2
	E) Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management		2	0 (not signing); 1 (not ratifying); 2 (in force)	2	2	2	2	2	0	0	0	0	0	2	2	2	2	2	2	2	2
	F) Convention on Assistance in Case of a Nuclear Accident or Radiological Emergency		2	0 (not signing); 1 (not ratifying); 2 (in force)	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2
	G) Nuclear Security Recommendations on Physical Protection of Nuclear Material and Nuclear Facilities (INFCIRC/225/Rev.5)		4	0 (not applying or no information); 2 (applying to the national implementation system); 4 (applying and implementing adequately)	0	2	0	2	2	0	0	0	0	0	2	2	2	2	2	2	2	2
	H) Enactment of laws and establishment of regulations for national implementation		4	0 (not establishing domestic laws and regulations and the national implementation system); 1～2 (establishing them but insufficiently); 4 (establishing appropriately)	4	1	4	4	4	4	3	4	2	2	4	3	4	4	4	4	4	4
3	**Maintaining the highest possible standards of nuclear security/safety**	20																				
	A) Efforts for further minimization of HEU for peaceful purposes		4	0 (no effort or no information); 1 (limited efforts); 3 (active efforts); add 1 (committed to further enhancement)	3	4	4	0	4	0	3	0	0	0	4	3	4	4	4	4	4	0
	B) Implementing measures (detection, deterrence, disruption, effective domestic control) for preventing illicit trafficking in nuclear materials throughout their territories		5	0 (not implementing or no information); 2 (limited implementation); 4 (active implementation); add 1 (committed to further enhancement)	4	4	4	4	5	4	4	4	2	0	4	4	4	4	4	4	4	4
	C) Acceptance of the IAEA nuclear security review missions		2	0 (not accepting or no information); 1 (accepting); 2 (actively accepting)	0	2	0	2	2	0	0	0	0	0	2	0	0	0	2	0	2	0
	D) The IAEA Nuclear Security Plan and Nuclear Security Fund		2	0 (no effort or information); 1 (participating); 2 (actively participating)	2	2	2	2	2	0	0	0	0	0	0	0	2	2	2	0	2	0
	E) Technology Development--Nuclear Forensics		2		0	2	2	2	2	0	2	2	0	0	2	0	2	2	2	2	2	0
	F) Capacity-building and Outreach activities		2	0 (not implementing or no information); 1 (implementing); 2 (actively implementing)	1	2	1	2	2	1	0	1	0	0	1	1	2	2	2	1	2	1
	G) Participation and contribution to initiatives such as CTR, G8 Global Partnership, GICNT, ISTC and Nuclear Security Summits		3	0 (not participating); 1 (participating in a few frameworks); 2 (participating in many or all frameworks); add 1 (if contributing actively)	1	3	3	3	3	1	1	1	0	0	2	0	3	3	2	0	2	2
	Point				**19**	**21**	**17**	**22**	**25**	**14**	**16**	**14**	**8**	**4**	**34**	**25**	**32**	**29**	**35**	**29**	**36**	**22**
	Full Point				**41**	**41**	**41**	**41**	**41**	**41**	**41**	**41**	**41**	**41**	**41**	**41**	**41**	**41**	**41**	**41**	**41**	**41**