



NUCLEAR SECURITY SUMMIT 2014

NATIONAL PROGRESS REPORT

STATE OF ISRAEL

AS OF MARCH 2014

The Government of Israel commends the Government of the Kingdom of the Netherlands for convening the Hague Nuclear Security Summit. Israel believes that the commitments undertaken by the States that have participated in the Initiative and in the Washington and Seoul Summits, as well as in this Summit, will further strengthen nuclear security and reduce the potential threat of nuclear terrorism worldwide.

1. SUPPORT FOR MULTILATERAL INSTRUMENTS

The Government of Israel has ratified the Convention on the Physical Protection of Nuclear Materials in 2001 and its 2005 amendment in 2012.

Israel is a signatory to the Convention for the Suppression of Acts of Nuclear Terrorism and is in the process of its ratification.

2. STRENGTHENED NATIONAL NUCLEAR AND RADIOLOGICAL MATERIAL SECURITY SYSTEM, INCLUDING MEASURES TO SHOWCASE THE EFFECTIVENESS OF THE NUCLEAR SECURITY EFFORTS

Israel has put in place a comprehensive nuclear security system for the protection of nuclear materials in storage and in use in its nuclear research centers, as well as radiological materials used in medicine, industry and other sectors. Advanced physical protection measures, human reliability programs, cyber security and material accounting and control in accordance with high international standards, form parts of the system. Furthermore, in January 2013 Israel hosted a visit by a US interagency delegation to conduct a physical protection assessment of the Israel Research Reactor 1 (IRR-1) at the Soreq Nuclear Research Center (SNRC). The findings point at a strong nuclear security culture and a high level of security applied to nuclear materials.

Israel also maintains bilateral and multilateral cooperation on nuclear security, including joint training activities and conducts regular response exercises related to nuclear security. Drills and inspections are also held for security personnel at its nuclear research centers.

Israel has joined the Gift Basket Statement initiated by the Netherlands, the Republic of Korea and the US on Strengthening Nuclear Security Implementation.

3. CONTRIBUTION TO AND USE OF THE IAEA'S NUCLEAR SECURITY-RELATED ACTIVITIES AND SERVICES

Israel takes part in the IAEA Illicit Trafficking Database (ITDB), and has contributed both financially and in-kind to the IAEA's Department of Nuclear Safety and Security. In November 2013, Israel reported to the ITDB regarding the detection by the Megaport system of contaminated scrap metal in the Port of Haifa.

Israel joined several IAEA codes of conduct in the field of nuclear security and safety and is a member of the IAEA Nuclear Security Guidelines Committee (NSGC).

4. SUPPORT NUCLEAR SECURITY-RELATED INTERNATIONAL INITIATIVES



Israel fully supports the implementation of United National Security Council Resolution 1540 and its extension Resolution 1977, and reports in accordance with their requirements. Israel also supports the United National Global Counter Terrorism Strategy. Israel also supports the Proliferation Security Initiative (PSI).

Israel is an active member of the Global Initiative to Combat Nuclear Terrorism (GICNT). In June 2010 Israel hosted a GICNT workshop on nuclear forensics and legal aspects, with the participation of international experts from over 20 states. In 2014-2015, Canada and Israel will co-lead a two-year technical exchange to establish procedures and best practices for nuclear forensics. The project will potentially be implemented under the umbrella of the GICNT.

5. CONTRIBUTE TO HEU MINIMIZATION

As part of implementing Israel's nuclear safety and risk reduction policy, Israel completed a project of returning Highly Enriched Uranium (HEU) spent fuel from IRR-1 at the SNRC to the US. The operation was conducted under strict regulation and in accordance with the CPPNM 2005 Amendment.

In addition, the Soreq Applied Research Accelerator Facility (SARAF), which is about to enter its 2nd phase of construction, is intended to take over major tasks of the above-mentioned reactor. The phasing out of an HEU nuclear fuel and reactor will certainly benefit the overall effort for HEU minimization.

6. ESTABLISHMENT OF CENTERS OF EXCELLENCE AND SUPPORT

Israel supports the establishment of Centers of Excellence and has joined joint statement sponsored by Italy on Nuclear Security Training and Support Centers / Centers of Excellence.

In May 2014 Israel will host a joint workshop with the US on human reliability.

7. ENHANCE EFFORTS TO COMBAT ILLICIT TRAFFICKING IN NUCLEAR AND RADIOLOGICAL MATERIALS

Israel actively participates in the US Second Line of Defense Initiative ('Megaport' project), aimed at detecting radiological materials at its sea ports, as a contribution to international efforts to prevent illicit trafficking of nuclear and radiological materials. Since March 2013 operational detection systems are installed in Israel's two major seaports. Israel has joined the US Statement on Enhancing the Security of the Maritime Supply Chain and stands ready to share its experience in this regard with regional parties and beyond.

Israel was a co-sponsor of the Jordanian Gift Basket on Counter Nuclear Smuggling, and participated in the kick-off meeting hosted by the Hashemite Kingdom of Jordan in February 2014.

Israel has in place a robust Export Control legislation, which is based, among others, on NSG lists and is updated accordingly on a regular basis.

Israel is looking forward to further regional and international efforts to secure nuclear materials and to reduce the threat of nuclear and radiological terrorism. It is Israel's hope that the successful implementation of the commitments undertaken by the participants in this Summit will greatly enhance the prospects for a more secure world.