

**IAEA**

Atoms for Peace and Development

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Board of Governors

GOV/INF/2021/26

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Verification and monitoring in the Islamic Republic of Iran in light of United Nations Security Council resolution 2231 (2015)

Report by the Director General

1. This report of the Director General to the Board of Governors and, in parallel, to the United Nations Security Council (Security Council), is on the Islamic Republic of Iran's (Iran's) implementation of its nuclear-related commitments under the Joint Comprehensive Plan of Action (JCPOA) in relation to its enrichment-related activities. It provides an update on developments since the Director General's previous reports.¹

Activities Related to Enrichment

2. As previously reported, on 13 April 2021, Iran informed the Agency that it intended to start producing UF₆ enriched up to 60% U-235² at the Pilot Fuel Enrichment Plant (PFEP) at Natanz,³ and on 14 April 2021, the Agency verified that Iran had almost completed preparations to start feeding UF₆ enriched up to 5% U-235 into the cascade of IR-6 centrifuges in research and development (R&D) line 6 for the production of UF₆ enriched up to 60% U-235.⁴ The tails produced from the cascade of IR-6 centrifuges were to be fed into the cascade of IR-4 centrifuges in R&D line 4 for the production of UF₆ enriched up to 20% U-235.⁵

3. On 17 April 2021, the Agency verified at PFEP that Iran was using a different mode for the production of UF₆ enriched up to 60% U-235 to the one being prepared for on 14 April 2021 as described

¹ GOV/2021/10, GOV/INF/2021/17, GOV/INF/2021/19, GOV/INF/2021/20, GOV/INF/2021/21, GOV/INF/2021/22, GOV/INF/2021/23 and GOV/INF/2021/24.

² JCPOA, 'Annex I – Nuclear-related measures', para. 28.

³ GOV/INF/2021/22.

⁴ GOV/INF/2021/23.

⁵ Using the mode of production described in GOV/INF/2021/22, para. 3, second bullet.

in paragraph 2 above. On 17 April 2021, the Agency also verified that Iran had begun the production of UF₆ enriched up to 60% U-235 by feeding UF₆ enriched up to 5% U-235 simultaneously into the two cascades of IR-4 centrifuges and IR-6 centrifuges in R&D lines 4 and 6, respectively.⁶ According to Iran's declaration to the Agency, the enrichment level of the UF₆ produced at PFEP was 55.3% U-235. The Agency took a sample of the produced UF₆ for destructive analysis to independently verify the enrichment level declared by Iran. The results of this analysis will be reported by the Agency in due course.

⁶ Using the mode of production described in GOV/INF/2021/22, para. 3, first bullet.