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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. In a letter dated 6 July 2022, Iran informed the Agency that the operator of the Fordow Fuel Enrichment Plant (FFEP) intended to feed UF₆ enriched up to 5% U-235 into the cascade of 166 IR-6 centrifuges with modified sub-headers^{2,3} to produce UF₆ enriched up to 20% U-235.⁴

3. On 6 July 2022, the Agency verified that Iran had ceased passivation⁵ of the aforementioned cascade of IR-6 centrifuges and that the operating configuration of this cascade was as declared. Agency inspectors adjusted the safeguards measures as necessary. At the time the inspectors departed FFEP on 6 July 2022, feeding of the cascade for production purposes had yet to begin.

¹ GOV/2022/24, GOV/INF/2022/13, GOV/INF/2022/14 and GOV/INF/2022/15.

² GOV/2022/24, para. 23.

³ These modified sub-headers would enable Iran to change the operating configuration of the cascade more easily.

⁴ According to the latest design information questionnaire (DIQ) for FFEP, the two cascades of IR-6 centrifuges can be fed either with natural UF₆ to produce UF₆ enriched up to 5% U-235 or with UF₆ enriched up to 5% U-235 to produce UF₆ enriched up to 20% U-235 (GOV/2022/24, para. 20).

⁵ GOV/INF/2022/15, para. 3.

4. On 7 July 2022, Iran informed the Agency that, on the same day, it had begun feeding the aforementioned cascade with UF₆ enriched up to 5% U-235.

5. On 9 July 2022, the Agency verified that Iran had begun feeding UF₆ enriched up to 5% U-235 into the cascade of 166 IR-6 centrifuges with modified sub-headers for the declared purpose of producing UF₆ enriched up to 20% U-235.