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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,² on 2 December 2020, Iran informed the Agency that the operator of the Fuel Enrichment Plant (FEP) at Natanz "intends to start installation of three cascades of IR-2m centrifuge machines" at FEP.³

3. Since that date, Iran has completed the installation of one of these three cascades, containing 174 IR-2m centrifuges, and, on 30 January 2021, Iran began feeding the cascade with UF₆, as verified by the Agency. As a consequence, Iran is using 5060 IR-1 centrifuges installed in 30 cascades and 348 IR-2m centrifuges installed in two cascades to enrich UF₆ up to 4.5% U-235 at FEP.⁴ The Agency also verified that installation of the second of the aforementioned three cascades of IR-2m centrifuges was nearing completion and installation of the third of these cascades had started.

¹ GOV/2020/51, GOV/INF/2020/16, GOV/INF/2020/17, GOV/INF/2021/1, GOV/INF/2021/2 and GOV/INF/2021/3.

² GOV/INF/2020/17, para. 2.

³ JCPOA, 'Annex I – Nuclear-related measures', paras 27 and 29.1.

⁴ GOV/INF/2020/16, para. 2.

4. In relation to the two cascades being transferred to FEP from the Pilot Fuel Enrichment Plant (PFEP),⁵ the Agency, on 30 January 2021, verified that installation of the cascade of IR-4 centrifuges was progressing and that installation of the cascade of IR-6 centrifuges had started.

⁵ GOV/2020/51, para. 13.