



Security Council

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Note by the President of the Security Council

At its 7488th meeting, held on 20 July 2015 in connection with the item entitled “Non-proliferation”, the Security Council adopted resolution [2231 \(2015\)](#).

In paragraph 4 of the resolution, the Security Council requested the Director General of the International Atomic Energy Agency to provide regular updates to the Council on the implementation by the Islamic Republic of Iran of its commitments under the Joint Comprehensive Plan of Action and to report at any time any issue of concern directly affecting the fulfilment of those commitments.

Accordingly, the President herewith circulates the report of the Director General dated 25 October 2021 (see annex).



Annex

Letter dated 25 October 2021 from the Director General of the International Atomic Energy Agency addressed to the President of the Security Council

I have the honour to enclose herewith a document submitted to the Board of Governors of the International Atomic Energy Agency (see enclosure).

I should be grateful if you would bring the present letter and the document to the attention of all members of the Security Council.

(Signed) Rafael Mariano **Grossi**

Enclosure

[Original: Arabic, Chinese, English, French,
Russian and Spanish]

**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. Iran informed the Agency, in a letter dated 17 October 2021, that "due to minor modification comprising temporary feeding of uranium enriched up to 20% [U-235] to single machine and intermediate cascades in [research and development (R&D)] line No. 2² without any collection of products", the design information questionnaire (DIQ) for the Pilot Fuel Enrichment Plant (PFEP) at Natanz had been updated and was available at the facility for examination by the Agency.

3. On 19 October 2021, the Agency examined the updated DIQ for PFEP, which described the following new modes of operation in R&D line 2 of PFEP: single centrifuges, intermediate cascades of up to 10 centrifuges and intermediate cascades of up to 20 centrifuges, will be fed with uranium enriched up to 5% U-235 or uranium enriched up to 20% U-235. In both cases, the product and tails streams will be re-combined and no product will be collected. Iran informed the Agency that these changes were temporary. As a consequence of these new modes of operation, the Agency decided to increase the frequency and intensity of its safeguards activities³ at PFEP.

4. On 20 October 2021, the Agency conducted a design information verification (DIV) at PFEP and verified that the changes to the facility described in the updated DIQ had not yet been implemented. During another DIV conducted at PFEP on 23 October 2021, the Agency was able to carry out the necessary safeguards activities, including taking baseline environmental samples from the process area of R&D line 2. The Agency then detached the seal from a cylinder of UF₆ enriched up to 20% U-235 to be used as feed material in R&D line 2 of PFEP. The Agency verified that on that date the following centrifuges were installed in R&D line 2: one IR-2m,

* Circulated to the Board of Governors of the International Atomic Energy Agency under the symbol GOV/INF/2021/44.

¹ GOV/2021/39, GOV/INF/2021/42 and GOV/INF/2021/43.

² Previously, in R&D line 2 of PFEP, Iran has fed natural UF₆ into small cascades of various centrifuge types to accumulate uranium enriched up to 2% U-235 and fed natural uranium into single centrifuges of various types without accumulating enriched uranium (see GOV/2021/39, para. 35).

³ Such activities included additional containment and surveillance measures, and taking environmental samples.

two IR-4 and two IR-6 single centrifuges; and small and intermediate cascades of six IR-4 centrifuges, five IR-6 centrifuges, ten IR-6 centrifuges and ten IR-s centrifuges.

5. On 25 October 2021, the Agency verified that Iran began feeding UF₆ enriched up to 20% U-235 into a single IR-6 centrifuge in R&D line 2 at PFEP and that the resulting product and tails streams were being re-combined. The other single centrifuges and the small and intermediate cascades were not being fed at that time. The Agency will take environmental samples for analysis from the process area on a regular basis and will be using other standard safeguards measurement techniques.
