



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 11 May 2021 (see annex).



Annex

**Letter dated 11 May 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 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. On 5 May 2021, Iran provided the Agency with an updated design information questionnaire (DIQ) for the Pilot Fuel Enrichment Plant (PFEP) at Natanz. The updated DIQ described another mode for the production of UF₆ enriched up to 60% U-235,² in addition to the three modes described in the updated DIQ of 13 April 2021.³

3. The fourth mode for the production of UF₆ enriched up to 60% U-235 at PFEP described in the updated DIQ of 5 May 2021 involves: feeding UF₆ enriched up to 5% U-235 into the cascade of IR-6 centrifuges in research and development (R&D) line 6 to produce UF₆ enriched up to 60% U-235; feeding the tails produced from this cascade into the cascade of IR-4 centrifuges in R&D line 4 to produce UF₆ enriched up to 20% U-235; and feeding the tails produced from this cascade into the cascade of IR-5 and IR-6s centrifuges in R&D line 1⁴ to produce UF₆ enriched up to 5% U-235.

4. On 10 May 2021, the Agency verified at PFEP that Iran was producing UF₆ enriched up to 60% U-235 in R&D line 6, UF₆ enriched up to 20% U-235 in R&D line 4 and UF₆ enriched up to 5% U-235 in R&D line 1, containing 27 IR-5 centrifuges and 30 IR-6s centrifuges, using the mode of production described in paragraph 3 above.

5. As previously reported, following the start of production of UF₆ enriched up to 60% U-235 at PFEP on 17 April 2021, Iran declared to the Agency that the enrichment level of the UF₆ produced at PFEP was 55.3% U-235, and on the same date the Agency took a sample of the produced UF₆ for destructive analysis (DA) to independently verify the enrichment level declared by Iran.⁵

6. As also previously reported, after Iran had changed the mode of production, Iran declared that the enrichment levels of the UF₆ samples it had taken from R&D lines 6 and 4 on 20 April 2021 were 59.6% U-235 and 20.3% U-235, respectively.⁶ However, according to Iran, fluctuations of the enrichment levels of UF₆ were experienced for

* Circulated to the Board of Governors of the International Atomic Energy Agency under the symbol GOV/INF/2021/29.

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, GOV/INF/2021/24, GOV/INF/2021/26, GOV/INF/2021/27 and GOV/INF/2021/28.

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

³ GOV/INF/2021/22, para. 3.

⁴ GOV/2021/10, para. 33.

⁵ GOV/INF/2021/26, para. 3.

⁶ GOV/INF/2021/28, para. 3.

both product streams from R&D lines 6 and 4. On 22 April 2021, the Agency took environmental samples (ES) from the product sampling point at PFEP.⁷

7. The Agency's analysis of the DA sample taken at PFEP on 17 April 2021, shows an enrichment level consistent with that declared by Iran. The Agency's analysis of the ES taken on 22 April 2021 shows an enrichment level of up to 63% U-235, which is consistent with the fluctuations of the enrichment levels of UF₆ referred to in paragraph 6 above.

⁷ GOV/INF/2021/28, para. 4.