

IDM UID 43UJN7
VERSION CREATED ON / VERSION / STATUS 09 Jul 2025 / 4.0 / Approved
EXTERNAL REFERENCE / VERSION

MQP Level 0

MQP L0 ITER Policy on Safety, Security, Quality and Environment Protection

The objective of the ITER Project is to demonstrate the scientific and technical feasibility of fusion energy for peaceful purposes, an essential feature of which is the achievement of sustained fusion power generation. In this endeavour, the ITER Organization and Domestic Agencies consider nuclear safety, occupational health and safety, quality and environment as their first priorities.

Complementary note to the policy is attached to provide a list of reference documents behind the principles and means to manage Safety, Security, Quality, and Environment Protection activities in order to meet the goals of the ITER Project.

Approval Process			
	<i>Name</i>	<i>Action</i>	<i>Job Title / Affiliation</i>
<i>Author</i>	Perrier G.	09 Jul 2025:signed	Head of Department
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<i>Approver</i>	Barabaschi P.	18 Jul 2025:approved	Director-General
Information Protection Level: Non-Public - Unclassified			
RO: Tiainen-Paquaux Miia			
<i>Read Access</i>	GG: MAC Members and Experts, AD: ITER, AD: External Collaborators, AD: External Management Advisory Board, AD: Nuclear Safety Inspectors, AD: OBS - Quality Management Division (QMD), AD: DA, AD: Auditors, AD: ITER Management Assessor, project administrator, RO, LG: Schedule_licensing, LG: Deputy Hea...		

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<i>Change Log</i>			
MQP L0 ITER Policy on Safety, Security, Quality and Environment Protection (43UJN7)			
<i>Version</i>	<i>Latest Status</i>	<i>Issue Date</i>	<i>Description of Change</i>
v1.0	Approved	29 Apr 2011	
v2.0	Approved	24 Feb 2015	<p>Updated as per MQP doc Request - QV3P4B.</p> <p>-Applicable regulatory documents extended to</p> <p>1- Decree No. 2012-1248 dated 9 November 2012 authorizing the ITER Organization to create a basic nuclear facility called “ITER-INB-174”;</p> <p>2- The French “INB Order” of 7 February 2012, on the general technical regulations applicable to Nuclear Facilities for the protection of “interests[1]” replacing Order 10 August 1984</p> <p>-Activities for compliance with the objective of protection of the interest cited in Article L.593-1 of the Environment Code included</p> <p>1- Priority given to nuclear safety</p> <p>2- Protection of the environment added</p> <p>3- An integrated management system (IMS) detailed</p> <p>4- Extended communication means presented</p>
v3.0	Signed	22 May 2019	<p>as per approved MQP doc Request - XKQ3N8:</p> <p>* to introduce of a specific sentence regarding Counterfeit, Fraudulent and Suspect Items (CFSI).</p> <p>* to replace “External Contractors” in 3 and 4 by “External Intervenors”</p> <p>* to align 2 references with ITER Quality Assurance Program 22K4QX v8.5 (to replace IAEA GSR 3 by IAEA GSR part 2 2016 / to indicate the edition 2015 for ISO 14001)</p>
v3.1	Approved	03 Jul 2019	Comments treated.
v4.0	Approved	09 Jul 2025	Brand new document with the old UID

ITER Policy on Safety, Security, Quality and Environment Protection

[Mission of the ITER Project and Commitments as Nuclear Operator]

The objective of the ITER Project is to demonstrate the scientific and technical feasibility of fusion energy for peaceful purposes, an essential feature of which is the achievement of sustained fusion power generation. In this endeavour, the ITER Organization and Domestic Agencies consider nuclear safety, occupational health and safety, quality and environment as their first priorities.

Hence, both the ITER Organization and Domestic Agencies strive to:

- Ensure a safe environment for their employees and contractors, as well as the inhabitants of communities surrounding the ITER Facility;
- Develop a safety and quality culture in their daily work;
- Deliver the expected level of quality in all activities by implementing the best industrial methods for the management of risks and opportunities, and the prevention of poor quality;
- Ensure compliance with the requirements and regulations of the safety authorities.

Moreover, within ITER:

- Nuclear Safety and Quality are the responsibility of the line management within the operational units engaged in supervising and controlling components and activities that are critical for the performance of the ITER Facility;
- An Independent Safety Oversight acts to check the implementation of this Policy and the adequacy of all related measures that are being taken;
- The management shall engage in surveillance and quality supervision of the components and activities that are important for nuclear safety, quality, radiation protection, malevolence, security, health and sanitation, and the protection of nature and the environment.

[Management Responsibility]

As a Manager:

- I am responsible for implementing this Policy on a daily basis and asking the same of my teams, peers and contractors;
- I encourage my teams, peers and contractors to adhere to the expectations described in this Policy and to carry out my responsibility to intervene in any activity, situation, or behaviour that goes against the principles described herewith;
- I encourage teams, peers and contractors to follow and respect the ITER procedures and working instructions;
- I encourage my teams, peers and contractors to maintain a questioning attitude to identify and point out good practices and positive behaviours, and to report any abnormal situations;
- I support and manage my teams, peers and contractors when carrying out their responsibilities regarding nuclear safety, quality, radiation protection, malevolence, security, health and sanitation;
- I support the development of safety and quality management competencies of the personnel of my teams, peers and contractors;
- I ensure that the safety and quality performance is periodically assessed and improved by my teams, peers and contractors through effective goal setting and development of objectives.

[Safety and Quality Management Practices at the ITER Organization and Domestic Agencies]

- In accordance with the ITER Agreement and Common Understandings, the ITER Management and Quality Program (MQP) shall be maintained and propagated to ensure an overarching approach within which the ITER Project is to be governed, managed, planned, executed, and controlled. Any acquired experience and knowledge shall be identified, valued and shared for the purpose of the overall continuous improvement of the ITER Project’s performance;
- Any work shall be performed safely and shall comply with the applicable rules and standards according to approved instructions only;
- Human and organizational factors shall be considered when planning and executing activities for the ITER Project;
- Methods to analyze risks and prevent non-quality shall be shared, maintained and developed jointly;
- Necessary internal control measures shall be implemented and monitored in an aligned manner through the supply chains of the ITER Organization and each Domestic Agency. This includes world-wide prevention and management of Counterfeit, Fraudulent and Suspect Items;
- An appropriate level of control shall be maintained to assess performance, safety and quality;
- Regular drills and exercises shall be performed to ensure readiness to manage emergencies.

ITER Organization
Director-General

On behalf of the Chinese Domestic Agency On behalf of the European Union Domestic Agency On behalf of the Indian Domestic Agency

On behalf of the Japanese Domestic Agency On behalf of the Korean Domestic Agency On behalf of the Russian Domestic Agency

On behalf of the United States Domestic Agency

By signing this document, we acknowledge this Policy and remain engaged to manage ITER activities according to recognized practices and in compliance with regulatory, safety and quality requirements.