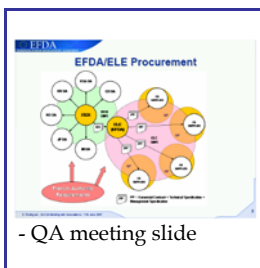


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“Quality is not an act,
it is a habit.”
- Aristotle

Quality Assurance - Internal Information Bulletin

This bulletin is published regularly and contains news/updates on key activities and developments in relation to quality assurance in EFDA and the EURATOM Associations.

“ARRÊTÉ QUALITÉ”
QUALITY ORDER OF AUGUST 10, 1984
FRENCH REGULATION FOR NUCLEAR SAFETY

Concerning Basic Nuclear Installation design, construction and operation quality

The order sets a framework of rules, which the operator of an INB (Basic Nuclear Installation) must adhere to in order to obtain and to maintain the quality of his installation and the procedures of his exploitation with the aim to guarantee safety.

The required quality is obtained and maintained on one hand by activities performed and on the other hand by organised and appropriate verification.

Resume for information only:

(please see the complete [Order](#) & [Circular](#) for reference)

- Art 1. Graded quality management system according to safety importance of components and activities (SIC). Set up at the design stage and extended throughout all the subsequent stages of existence of the Installation.
- Art 2. Definition of safety relevant activities.
- Art 3. Definition of Operator and contractors.
- Art 4. Operator is responsible for safety and responsible of application by contractors of adequate QA system.
- Art 5. QA manual + QA compliance report + contractors assessment.
- Art 6. Safety requirement are defined and monitored.
- Art 7. Appropriate human and technical resources in agreement to safety objectives.
- Art 8. Independent verification of safety relevant activities.
- Art 9. QA management team + Evaluation and correction monitoring.
- Art 10. Records and reporting + frequency.
- Art 11. correctly storage records and hardcopies.
- Art 12. & 13. Deviations definition, deviation records, declare to NSA, feedback.
- Art 14. Safety relevant studies are concerned by QA (apply QA during design).

2nd QA RP Meeting
2ND QA ASSOCIATIONS QUALITY REPRESENTATIVES MEETING

The meeting was held in EFDA BCN on the 11th and 12th of this Month ([slides](#)).

MAIN OUTCOME

- **Management Involvement in QA is indispensable**
- Start applying QA without delay - Early start is essential.
- Apply QA with a tailor approach - Evaluate particular needs of project.
- QA Exercises - Positive for EFDA RO and Associations.
- Work Plan is a must (WBS, Milestones, hold points, verification and review).
- Supervision is necessary; start-up must be closely followed by the RO's.
- New EFDA would have a role on supporting the Associations in the QA development and in organizing a proper training scheme.
- Prepare for the EFDA->ELE Transition
 - ELE: QMS at least in line with ITER requirements.
 - ELE: Develop QA based on ESA, CERN and EFDA experience.
 - ELE: Consider Gate system, with “Gate Zero” as management requirements.
 - New EFDA: support Associations QA at appropriate level.

Appendix QA

STATUS

The "[Appendix QA](#)" is already being sent with the latest call for tenders. Requires de supplier to present a Quality Plan at the Kick-Off meeting.

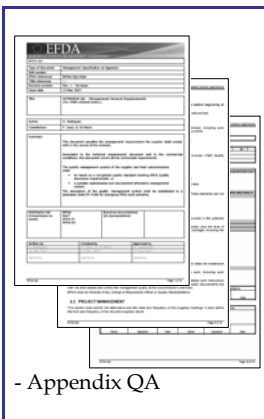
BACKGROUND

To comply with the French Regulation for Nuclear Safety and ITER requirements a set of quality provisions must be implemented.

EFDA defines the required quality provisions to be implemented by the supplier as Management Requirements, in the Management Specification.

Following the first drafts of the Management and Technical Specifications, for the use in the QA Exercises and for ELE, EFDA issued the "Appendix QA" to be used in all current procurements.

- EFDA is using the "Appendix QA"
 - General Management Requirements
 - Quality Plan required at Kick-Off meeting
- ELE will use a "Management Specification"
 - General Management Requirements + Specific Management Requirements
 - Quality Plan outline required with the offer



Urgent Tasks

STATUS

For the current urgent tasks only, EFDA will issue the following documents:

- "Concession on Appendix QA" (Non-SQR Task Applicability Notice)
- "Sample NON-SQR Quality Plan"
- list of all current urgent tasks grading the Safety Quality Relevance (SQR)

BACKGROUND

For Safety related ITER tasks, the "Appendix QA" has to be applied – NO Concessions.

For Non-Safety Quality Related "urgent tasks", minimum QA requirements shall be implemented.

These minimum requirements are specified in the "Concession on Appendix QA" (aka Non-SQR Task Applicability Notice):

- Appendix QA is still issued
- Specifies Particular Applicability for NON-Safety Related tasks
- Degrades Several Sections

For some tasks Non-Safety Related, but very important in relation to the reliability of ITER, the RO can decide to apply the "Appendix QA" (No Concessions).

To help the associations on the quality provisions of these urgent tasks, EFDA is issuing a Sample Quality Plan (that can be used as template).

UPCOMING

The above documents are in the process of being reviewed and approved. They will be released later this week or early next week in [QA Current Documents](#) (IDM).

Level 3 docs

STATUS

EFDA and IST (association gathering the documentation) need more documentation and possible documentation proposals from the Associations and EFDA RO's.

BACKGROUND

Part of the WP2006 task TW6-TDS-QA is the gathering of Level 3 Documentation. (Specifications for the work, codes of practice, internal standard, common tools, etc.)

UPCOMING

Prepare a first set of Level 3 Documents and circulate among the Associations and Field Coordinators that are willing to review/contribute.

"Not everything that counts can be counted and not everything that can be counted counts."
– Sign on A. Einstein's office

QA Exercise

STATUS

Meeting with the EFDA tasks RO's (on week 18.2007) proceeded with a positive reaction from the RO's.

Meeting with the Association of the Diagnostics Task (CIEMAT) was held on week 21.2007 and the first draft of the Quality Plan as already been submitted.

BACKGROUND

Part of the WP2006 task TW6-TDS-QA is the development of a case study based on relevant R&D or manufacturing task (in research environment) showing implementation of management specifications and development of a quality plan.

Three WP2006 tasks were selected for the exercise:

Tasks 1 & 2 (Diagnostics & Test Blanket Modules) to be implemented by CEA/IST.

Task 3 (Divertor Test Platform 2) to start 2 months later by EFDA QA RO.

UPCOMING

- Meeting with the Association of the Test Blanket Modules Task (FZK)
- Further meeting with the QA rep. at the Association.
- Scattered interactions during the work and a final meeting (half a day).

ELE QMS

STATUS

The adaptation of EFDA QMS to ELE is currently ongoing, and the first draft will be issued this month.

BACKGROUND

Part of the WP2006 task TW6-TDS-QA foresees the preparation of a QMS proposal for ELE, prepared starting from the draft resulted from task TW5-TDS-QA (EFDA QMS draft).

UPCOMING

- ELE QMS (first draft): issue in June
- ITER Review by July
- Propose to ELE Director: Sept / Oct

EFDA IDM Usage

EFDA DOCUMENT MANAGEMENT SYSTEM

All hyperlinks to EFDA documents in this info are to EFDA IDM, and can be accessed by EFDA and the "QA in Associations" users.

The Access to external registered users can be done directly through the provided link or by entering in IDM (link: www.efda.org/idm) then in the "External Users" area open the "Shortcut to QA in Associations".

This shortcut will give access to the Associations QA related folders.

Official document exchange with EFDA should be done through IDM, using the available tools (sign, review, approval). Instructions on IDM usage and folder structure can be requested to the task responsible officer.

Access to "QA in Associations" was given to the Association Quality Representative (QR); any registration to this "user group" must be done by the Association QR by [email](#) indicating the user details and reason for registering.

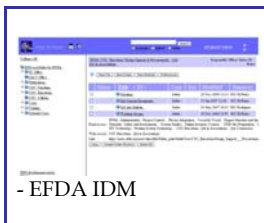
QA Upcoming

26/27 June - (Karlsruhe) Meeting with FZK: QA Exercise with Associations

Aug/Sep - (Tampere) Meeting with VTT/IHA: QA Exercise with Associations

September - (2nd half - Lisbon) EFDA QA contracts progress meeting

November - (Barcelona) Third QA Meeting for the EU Associations



The internal EFDA QA info is produced by D. Rodrigues. Feedback is welcome, and can be sent to: [Diogo Rodrigues](#)

Bulletin Distribution: EFDA Euratom Associations.