

## CALL FOR PARTICIPATION IN THE ON-SITE TRAINING FOR JT-60SA OPERATIONS (14-18 September 2026)

### Preface

JT-60SA is a large fully superconducting tokamak device with high plasma current, high auxiliary power and long pulse operation capability built in the framework of the Broader Approach (BA) activities. The structure of the JT-60SA project is shown in Figure 1. In particular, the JT-60SA Commissioning and Operation is the responsibility of the Japanese Implementation Agency (JA-IA), QST.

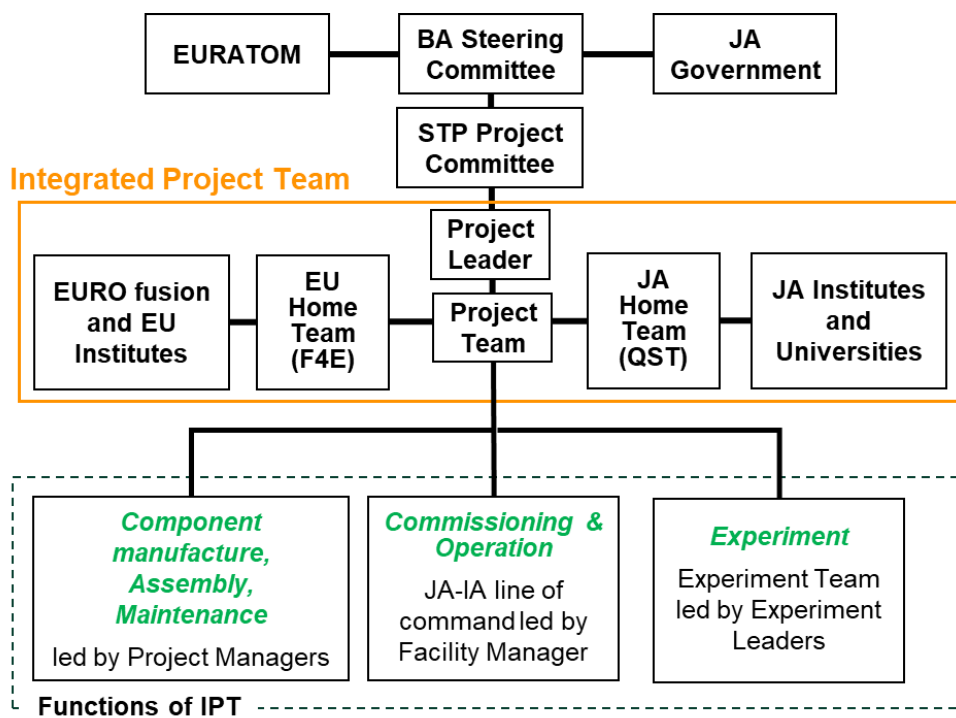


Figure 1. Structure of the JT-60SA project phase II.

The JT-60SA tokamak was fully assembled in March 2020 and it produced the first plasma in October 2023 as part of the Integrated Commissioning (IC) and Operation-1(OP1). JT-60SA is now in the Maintenance and Enhancement phase 1 (ME1), as shown in Figure 2, and preparations for OP2 have already started with the integrated commissioning without plasma, <https://www.jt60sa.org/wp/op2-has-started/>.

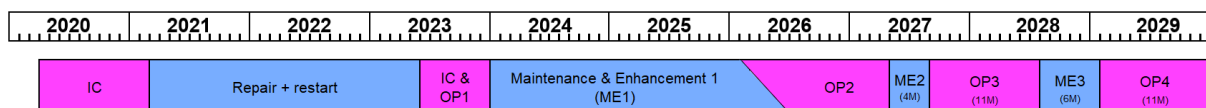


Figure 2. Timeline for JT-60SA

As part of the preparations for OP2, QST is organizing a training about future operations in JT-60SA the week of 14-18 September 2026 in QST Naka. This training will be based on lectures about different aspects of operation such as characteristics of magnets and sub-systems, plasma initiation, real time control implementation, control room roles and decision flow, experiment implementation, diagnostics

management etc. There will be also practical lectures about the use of the Human Machine Interface (HMI), which is the tool used in JT-60SA to prepare the discharges to be run.

Participation in this training is necessary for those interested in continuing their training in operations by participating in JT-60SA control room or operator roles as trainees during OP2. Participation as trainees during the experimental campaign, which is scheduled to start by the end of 2026, will be the subject of future calls.

### Eligibility of proponents and participants in projects

This call is addressed to members of European and Japanese scientific institutions/universities involved in EURATOM or the Japanese fusion research programme and agreed collaborators. The researchers in Japanese scientific institutions/universities who collaborate in a framework with QST, e.g. “Tokamak Reactor Plasma Collaborative Research Programme” or Onsite laboratory of university can join. The researchers and operators in European scientific institutions/universities with a collaborative framework with EURATOM or with any other institution collaborating with EURATOM- such as EUROfusion- can apply. Proposals from other researchers to participate may be considered on an individual basis depending on their institution’s agreement with the JT-60SA project.

This call is addressed generically to those interested in learning how operations in JT-60SA are organized. Specifically, it is necessary for those who are interested in their formation, involvement and eventual qualification by QST in some aspect of operation in future experimental campaigns.

Participants in this training are required to have previous experience in some aspects of operation, e.g. diagnostics or sub-system operations, operations leader, session leader etc.

### Proposal and selection

In order to participate in this call, the proponents should describe their motivation to participate in this training, their previous experience on operations and whether they envisage continuing their training with operational experience during the campaign OP2 and future campaigns. A CV should also be attached to the application.

Proposals should be sent by the research institutions from Europe and Japan to the JT-60SA EU Project Manager, Valerio Tomarchio, [valerio.tomarchio@f4e.europa.eu](mailto:valerio.tomarchio@f4e.europa.eu), and the Japan Project Manager, Koji Takahashi, [takahashi.koji@qst.go.jp](mailto:takahashi.koji@qst.go.jp), respectively. The following format is expected

Last name	First name	Nationality	Email	Affiliation	Motivation	Describe previous experience	Do you expect to continue the training with on-site participation during operations in OP2, OP3 and OP4?

Proposals will be selected based on their quality and interest to the JT-60SA project as well as the available space and number of lecturers.

The deadline for application is July 3<sup>rd</sup> 2026.

### Contact

For any question related to this call, please contact the JT-60SA project managers, Valerio Tomarchio, [valerio.tomarchio@f4e.europa.eu](mailto:valerio.tomarchio@f4e.europa.eu), Koji Takahashi, [takahashi.koji@qst.go.jp](mailto:takahashi.koji@qst.go.jp) or the JT-60SA project leader, [jeronimo.garcia@ext.f4e.europa.eu](mailto:jeronimo.garcia@ext.f4e.europa.eu).