

HOW TO REQUEST AN OMARR MISSION?

Interested Member States may request services through official channels addressing their request to the Deputy Director General, Head of the Department of Nuclear Energy. Following the request, Member States will be invited to complete an advance information package ahead of the peer review mission.

For more information contact research-reactor-section.contact-point@iaea.org.

FUNDING

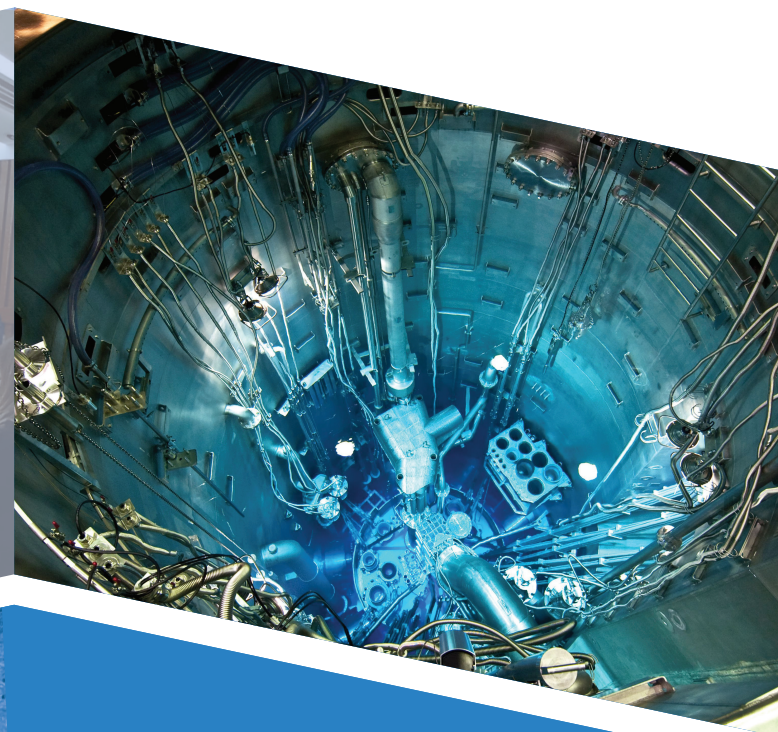
The Member State usually funds the service. Depending on the eligibility of the Member State, funds may also be provided, when planned, through the IAEA Technical Cooperation Programme. Alternatively, funding through extrabudgetary resources may be possible.

Photo credits: ANSTO, CEA-Saclay

OBJECTIVES

The OMARR mission provides advice and assistance to Member States in enhancing the performance of research reactors with particular focus on the reliability of the facility. The mission is aimed at improving operation and maintenance practices throughout the facility's operational life cycle. It identifies areas for improvement, addresses specific operational challenges, and creates a space for sharing experiences and good practices. Expected results include recommendations for more efficient long-term operation, implementation of ageing management, modernization and upgrades, in-service inspections plans, upgrading and integrating management systems, and optimized utilization of human and financial resources.

OPERATION AND MAINTENANCE ASSESSMENT FOR RESEARCH REACTORS (OMARR)



22-02609E



IAEA

International Atomic Energy Agency



SCOPE

An OMARR mission is performance oriented and focuses on good practices in operation and maintenance management. The mission provides recommendations and suggestions in the areas that include, but are not limited to¹:

- Operational plans, procedures and practices, including operational performance indicators;
- Maintenance plans, procedures and practices, including non-destructive examination and in-service inspections;
- Ageing management plans and practices;
- Human resources development, including for technical services;
- Quality assurance and integrated management systems;
- Plant asset and configuration management;
- Plant modification and/or refurbishment.

¹ INTERNATIONAL ATOMIC ENERGY AGENCY, Guidelines for the Operation and Maintenance Assessment for Research Reactors (OMARR), IAEA Services Series No. 44, IAEA, Vienna (2020)



APPROACH

The Operation and Maintenance Assessment of Research Reactors (OMARR) process is divided into three main phases: Preparatory phase, which includes a mission to identify the scope and methodology of the main OMARR mission; Review phase, which consists of a review mission; and Follow-up phase, which focuses on implementation of recommendations from the review mission, and may include an optional follow-up mission.

The Mission is available, upon request, to all Member States with research reactors under commissioning or in operation. An OMARR Mission can also assist an operating organization carrying out a major refurbishment or modernization of their facilities in identifying the structures, systems and components to be replaced. It is also useful after a major refurbishment or modernization of a research reactor facility in identifying ways to improve operation and maintenance programmes and procedures. Recommendations of an OMARR mission can be used to prepare strategic plans for ageing management, refurbishment and modernization of a facility.