

NUCLEAR ENERGY SERIES

Provisional Title	Industrial Involvement to Support a National Nuclear Power Programme (Rev.1)
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1. RATIONALE

The first edition of Nuclear Energy Series No. NG-T-3.4 “Industrial Involvement to Support a National Nuclear Power Programme” was published in 2016 in response to Member States requests for guidance on a comprehensive approach to industrial involvement for introducing or expanding nuclear power programmes. It includes a description of the industrial involvement and the core factors to be considered by Member States for broader macro-economic impact of the NPP project.

The revised publication will focus on the actions and level of efforts to prepare the local industrial capabilities to be taken in each phase on the IAEA Milestone Approach. It will also include case studies of countries that have just gone through implementation of this issue and share good practices for reference such as the United Arab Emirates, Türkiye, Hungary, and others.

The newly proposed revision would also emphasize:

1. Interfaces with the other infrastructure issues and lessons learned from the 30 INIR missions conducted to date and other relevance publications.
2. Newly raised issues such as industrial involvement in the case of SMRs and experience of countries that successfully launched nuclear power plants in recent years.

2. OBJECTIVE

The objective of this revised publication is to update the current IAEA publication “Industrial Involvement to Support a National Nuclear Power Programme (IAEA NE Series No. NG-T-3.4)” by providing comprehensive guidance on the industrial involvement in respective phases of the Milestones Approach. It will include updates of current trends in the area and incorporate case studies with good examples from Member States as well as the relations between industrial involvement and SMRs. Industrial involvement of the recipient country can contribute to the macro-economic impact of the project and prepare the country in the long run to localize some elements of the supply chain or services associated to the project.

This publication is to facilitate better understanding of overall industrial involvement and its core topics crucial for deployment of nuclear power plants by identifying specific actions necessary to achieve milestones in respective phases and providing reference to countries that successfully deployed nuclear power plants.

3. SCOPE

The revised publication will highlight implications to national/local industry, the government, and public organizations in terms of introducing or expanding the nuclear power programmes. And it will also focus on actions in each phase and address newly raised issues such as SMRs and case studies of other Member States.