

The draft version of the **Safety Infrastructure Guide DS424** has been approved by the Safety Standards Committees NUSSC, RASSC, TRANSSC and WASSC, and *was sent to Member States for the 120-day comment period on 31 July 2009.*

The latest draft of the **Safety Infrastructure Guide** is available at:

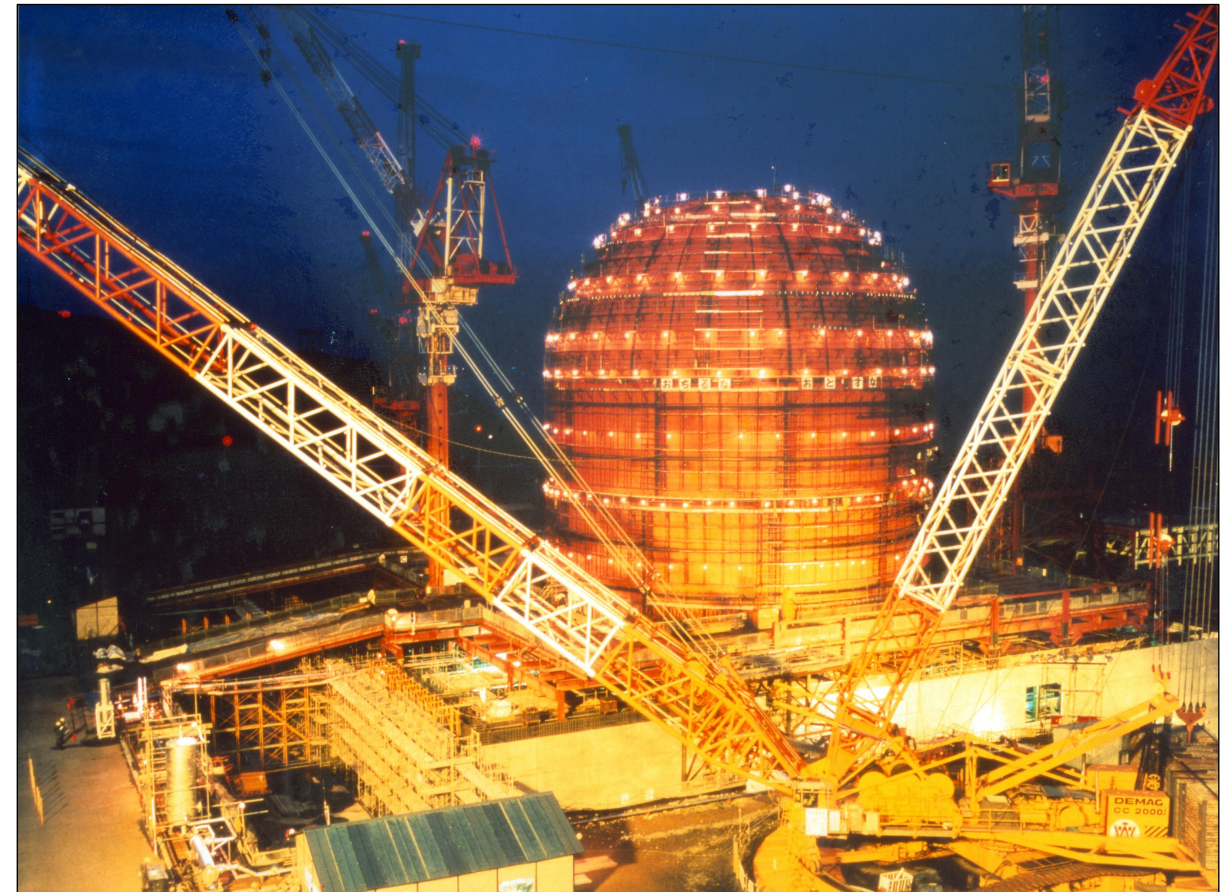
<http://www-ns.iaea.org/standards/documents/draft-ms-posted.asp>

The Section of the IAEA in charge of the development of the **Safety Infrastructure Guide** is the Regulatory Activities Section (IAEA/NS/NSNI/RAS):

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# Safety Infrastructure

## Draft Safety Guide DS424

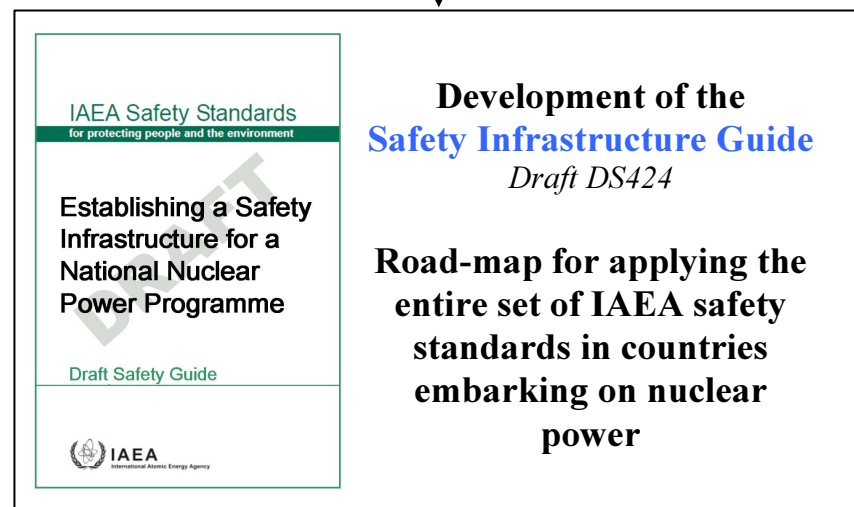
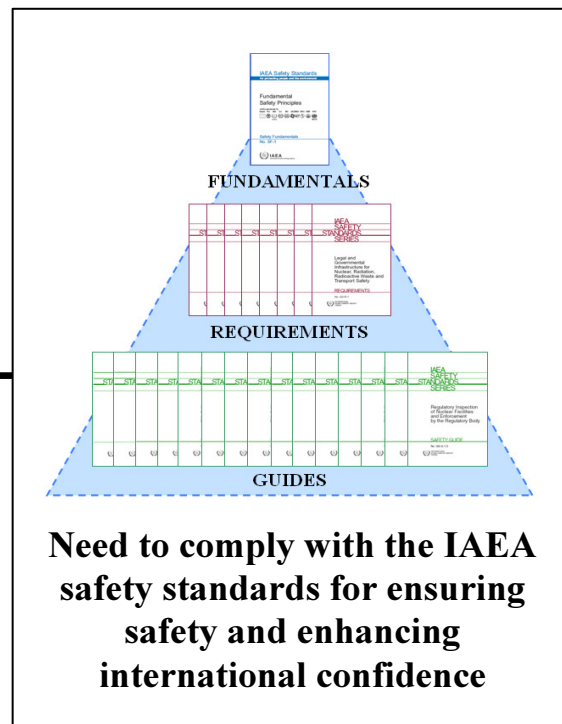


*“The reference IAEA Safety Standard for countries embarking on nuclear power”*





**Increasing number of countries considering the introduction of nuclear power**



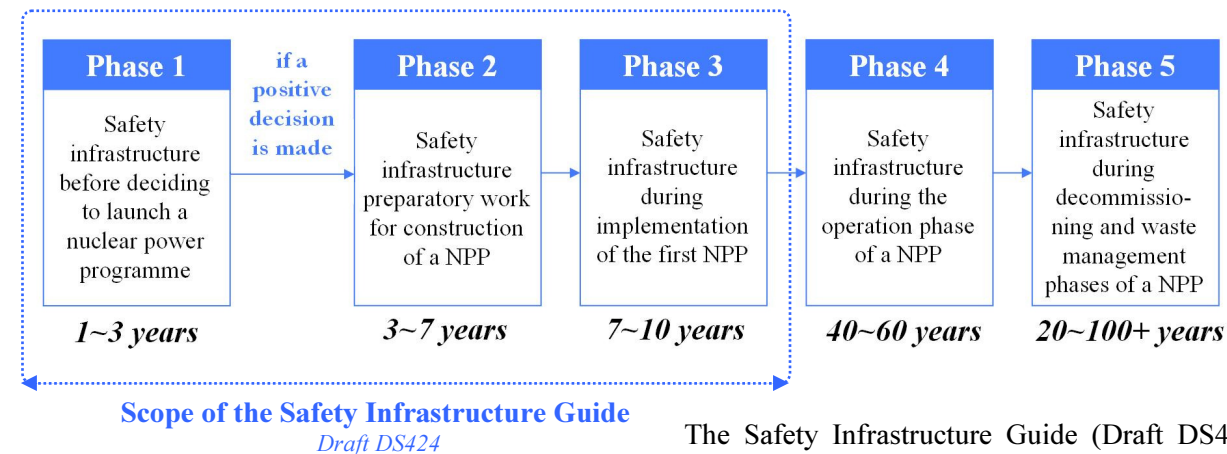
In recent years, the IAEA General Conference has encouraged the Secretariat to develop approaches to supporting nuclear power infrastructure in States either considering the introduction of nuclear power or the expansion of an existing nuclear power programme. Recognizing the long tradition of the IAEA in establishing internationally agreed safety standards, numerous States have stated the need for clearer and more **practical guidance on how to apply the entire set of the IAEA safety standards**, in the most effective and efficient manner, in the development of a national nuclear power programme.

In response to this request, the objective of the Safety Infrastructure Guide (Draft DS424) is to provide guidance on the establishment of a national safety infrastructure in accordance with the IAEA

safety standards when considering and preparing to embark on a national nuclear power programme.

In this regard, it is proposed that a **compilation of relevant IAEA safety principles and requirements be progressively applied, presented in the form of 200 sequential actions**, for the convenience of the user.

The Safety Infrastructure Guide (Draft DS424) is intended to be applicable for **States with various levels of experience**. While some States seeking to establish a nuclear power programme would have little or no nuclear activities established, others could have extensive experience from the operation of research reactors and other applications of ionizing radiation.



Consistent with the *Considerations to Launch a Nuclear Power Programme* and the *Milestones in the Development of a National Infrastructure for Nuclear Power* publications, as well as with the report published by the INSAG on *Nuclear Safety Infrastructure for a National Nuclear Power Programme supported by the IAEA Fundamental Safety Principles*, the Safety Infrastructure Guide (Draft DS424) uses a **phased approach** and focuses on **Phases 1, 2 and 3** of the safety infrastructure development.

The Safety Infrastructure Guide (Draft DS424) is **structured in accordance with the IAEA safety standards** and comprises 20 chapters, each of which being supported by IAEA safety requirements. The Guide identifies **at which phase each requirement should be implemented**.

The Guide provides insights on the progressive involvement of, and the allocation of responsibilities to:

- The **government**;
- The **regulatory body**;
- The **operating organization**.

