

## “THE PROGRAMME TO DEVELOP INFRASTRUCTURE MILESTONES”

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The term "infrastructure phase" means the following conditions necessary to show that the stage was successful completed.

By preparing the infrastructure for the introduction of nuclear power various activities to be done. These actions can be divided into three progressive phases of development. There will be a continuation of these stages depending on the level of commitment and resources used by the member State.

Development of the infrastructure needed to support nuclear power, the program is expected to progress through stages 1-3.

Three stages of the program:

Development is Step 1 - Discussion before making a decision to launch a nuclear power plant.

The program has been approved Stage 2 - Preparatory work for the construction of the nuclear power plant.

Landing after political decisions Step 3 - Arrangements for the implementation of the first nuclear power plant.

The completion of the infrastructure conditions of each of these phases is marked by a specific milestone at which the progress and success of the development effort can be assessed and a decision made to move on to the next phase.

These milestones are:

- Phase 1: software - readiness to use nuclear weapons.
- Stage 2: Willingness to submit proposals for the first NPP;
- Phase 3: Preparedness for start-up and operation of the first nuclear power plant.

There are a number of basic problems, each of which requires a specific actions at every stage. Substantial completion of these actions represents the achievement of the conditions for reaching the corresponding milestone. A discussion of the conditions required to achieve each milestone.

There are three major organizational entities typically involved in the development of a nuclear power programme: the government, the owner/ operator of the nuclear power plant and the regulatory body. Each has a specific role to play, with responsibilities changing as the programmed advances.

A schematic representation of the stages and main steps.

Issues	Milestone 1	Milestone 2	Milestone 3
National position			
Nuclear safety			
Management			
Funding and financing			
Legislative framework			
Safeguards			
Regulatory framework			
Radiation protection			
Electrical grid			
Human resources development			
Stakeholder involvement			
Site and supporting facilities			
Environmental protection			
Emergency planning			
Security and physical protection			
Nuclear fuel cycle			
Radioactive waste			
Industrial involvement			
Procurement			

At each stage 19 questions will be considered according to the plan in the table. Every question is important. The three major organizations, government, owner/operator and regulatory body, need to ensure that there is awareness of all these issues.