

LICENSING OF NEW NUCLEAR BUILD

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- **Act on the Safe Use of Nuclear Energy (Nuclear Act) Procedure**
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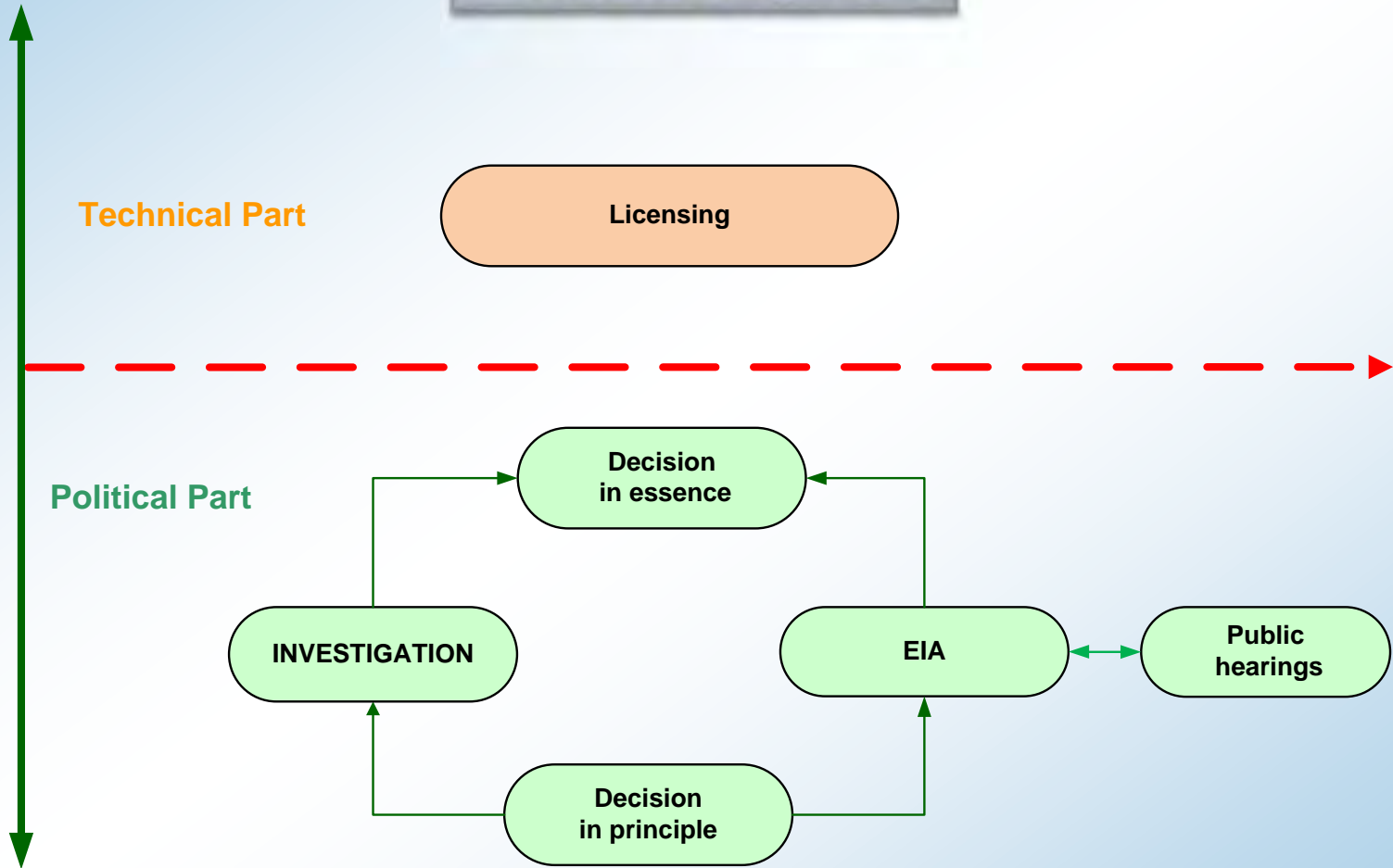
Primary Legislation

- Conventions and EC legislation
- Act on the Safe Use of Nuclear Energy
- Energy Law
- Environmental Protection Act
- Law on Spatial Planning

Secondary Legislation

- 25 Regulations

Nuclear Act Procedure





Nuclear Act Procedure

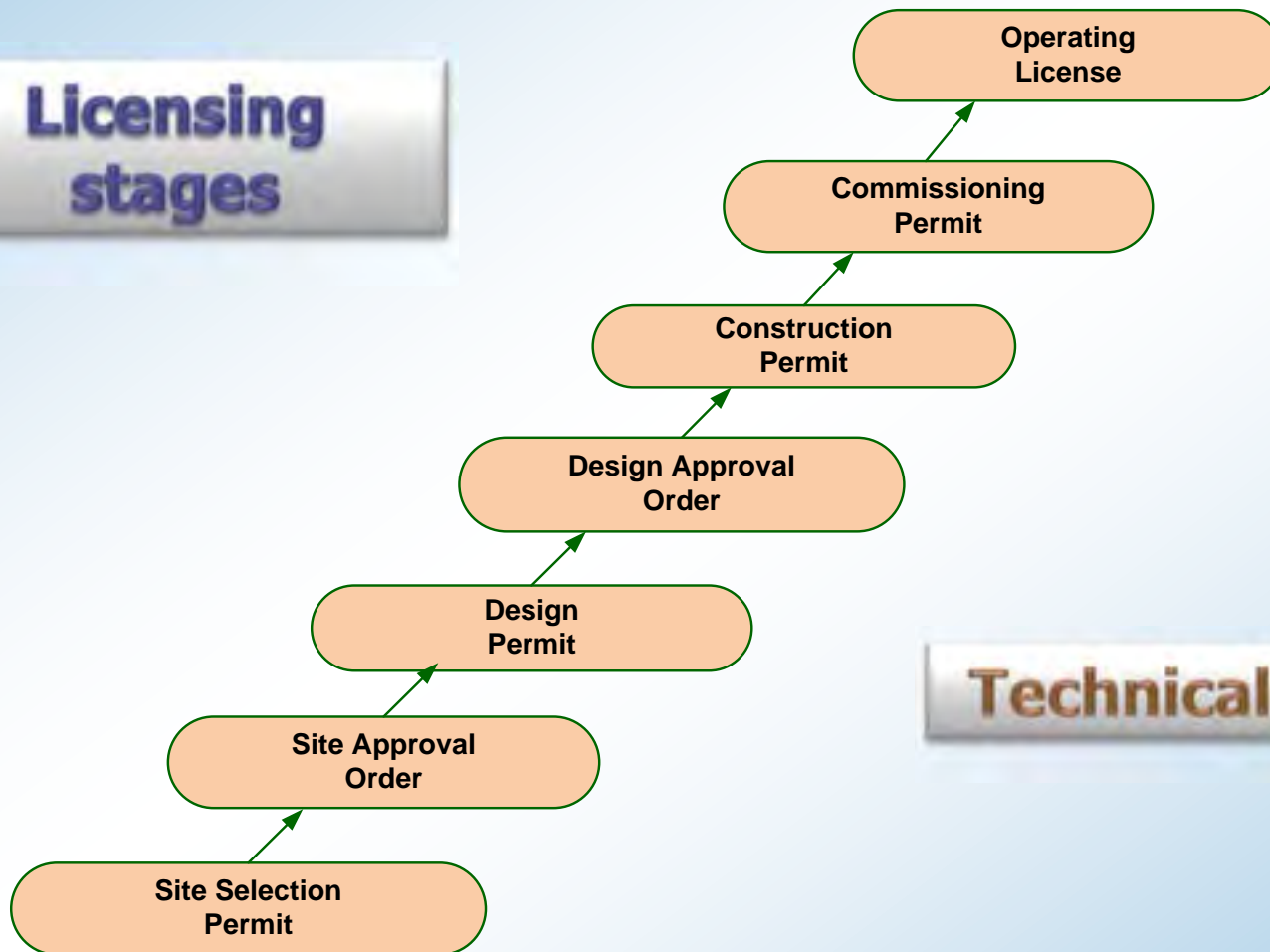
**Decision
In essence**

**On a motion by the Ministry of Economy & Energy
Based on an assessment of:**

- Nuclear safety and radiation protection, environmental impact and physical protection
- Social and economic significance of the new build for the country or for particular regions
- RAW and spent fuel to be generated

Licensing Process

Licensing stages

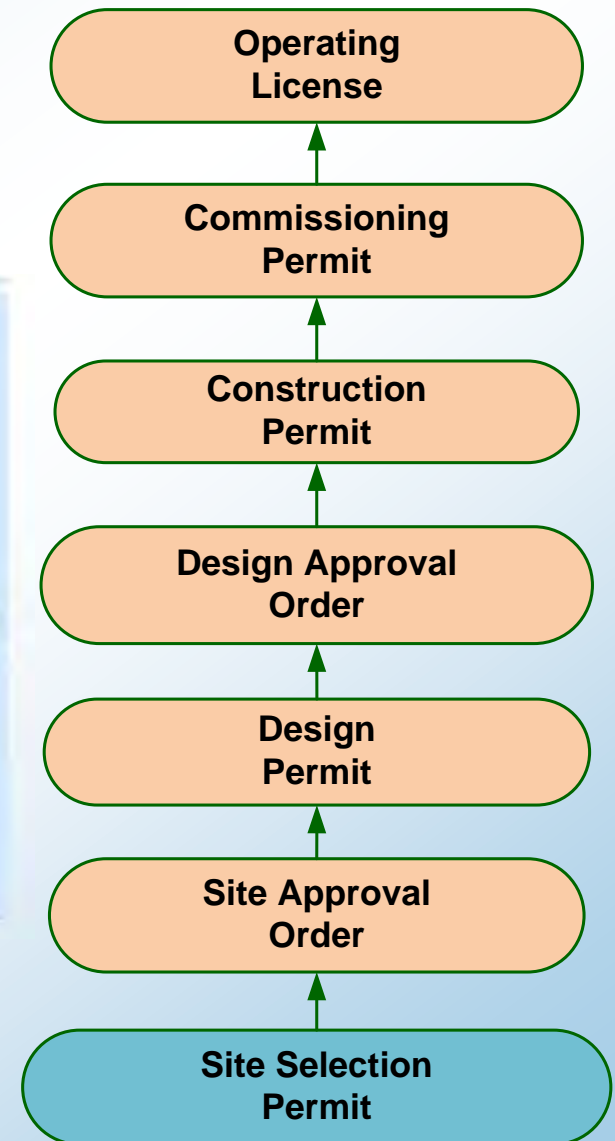


Technical part

Site selection permit

Application:

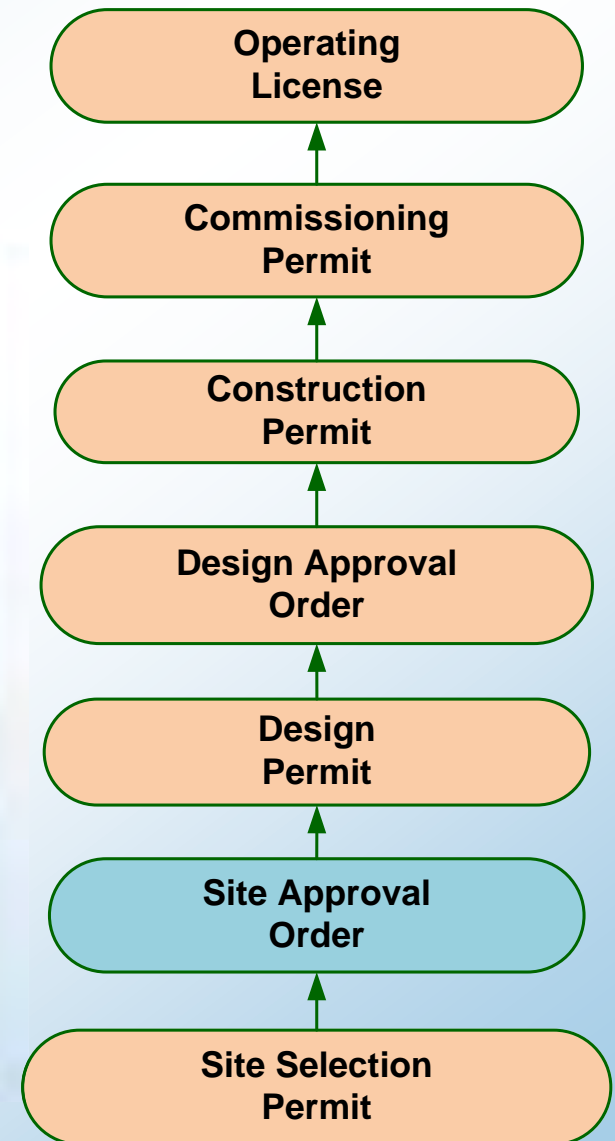
- NF Conceptual description
- ToR for the preliminary investigations
- Description of the Management System



Site approval order

Application:

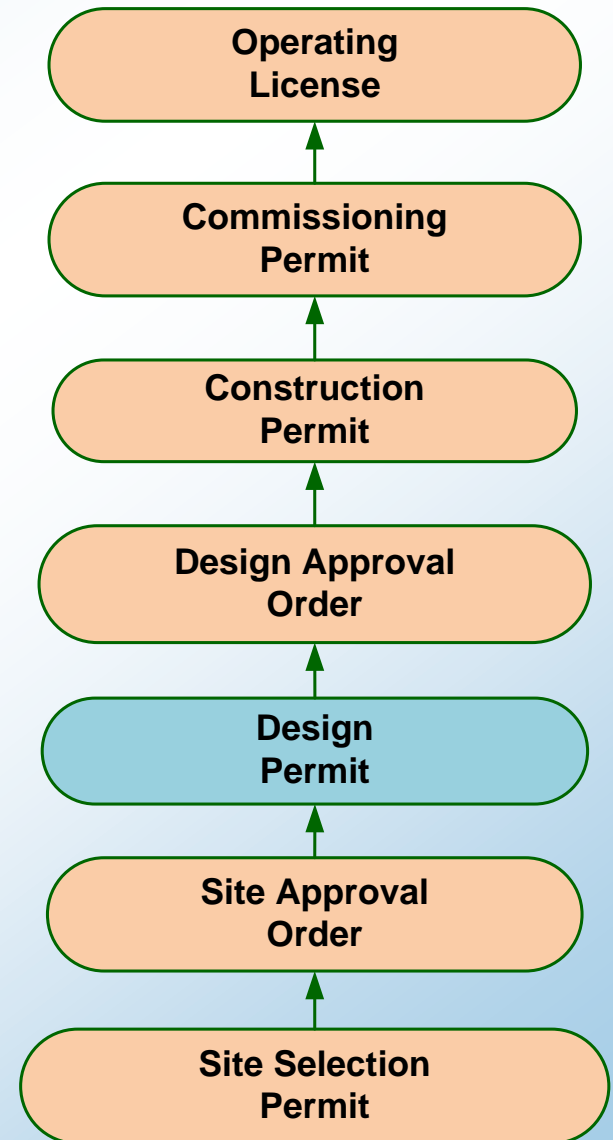
- Preliminary SAR of the NFacility
- Environmental Impact Assessment Decision
- Site surveillance programmes
- Programmes for additional investigation of the selected site



Design permit

Application:

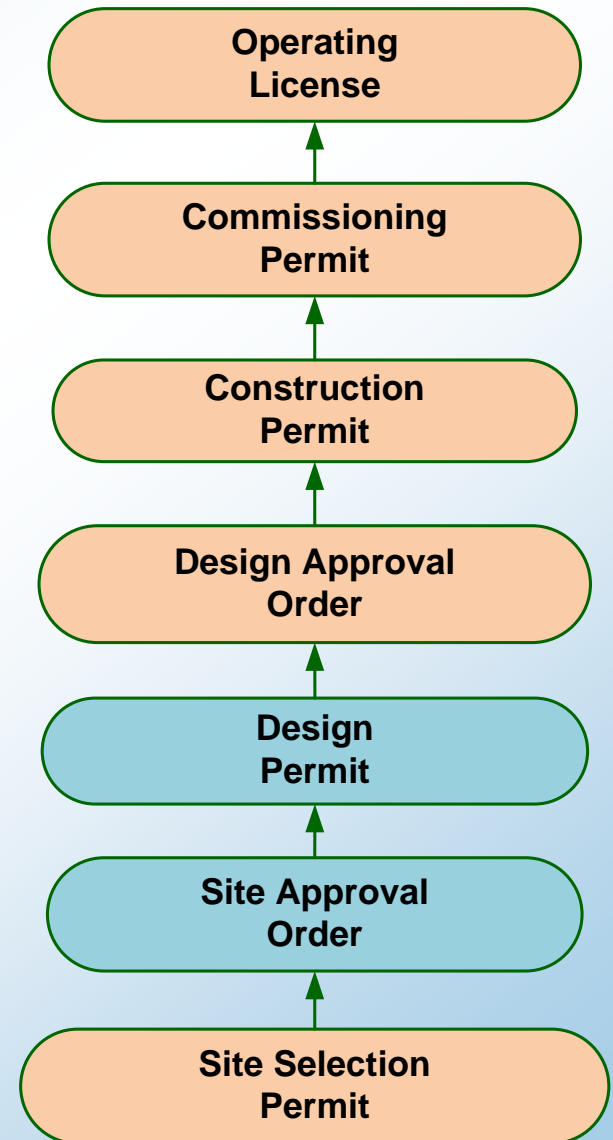
- ToR for designing
- Description of the
- Management System
- List of applicable standards



Combined procedures

Issuance of a Design Permit before the issuance of a Site Approval Order is possible if:

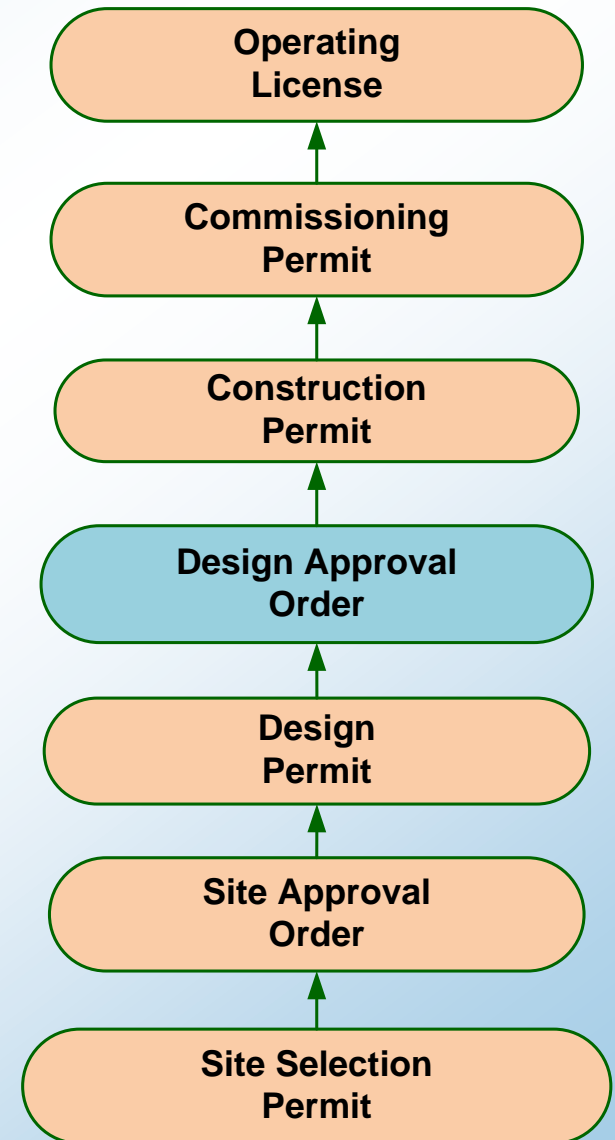
- required site investigations are complete
- EIA Decision is available and is in force



Design approval order

Application:

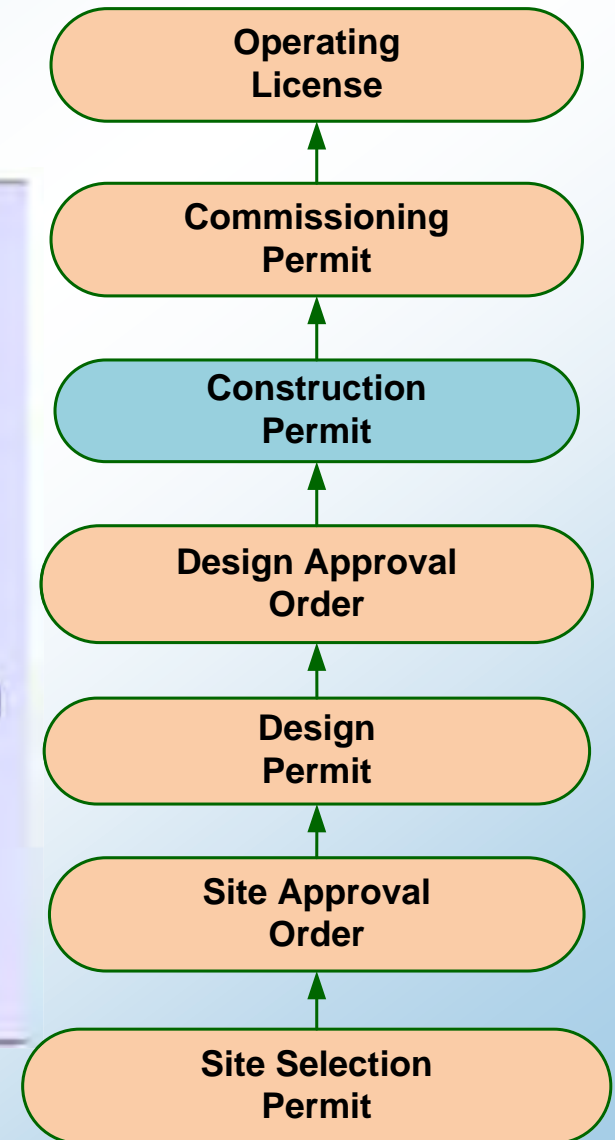
- Intermediate SAR of the Nuclear facility
- NF Technical Design



Construction permit

Application:

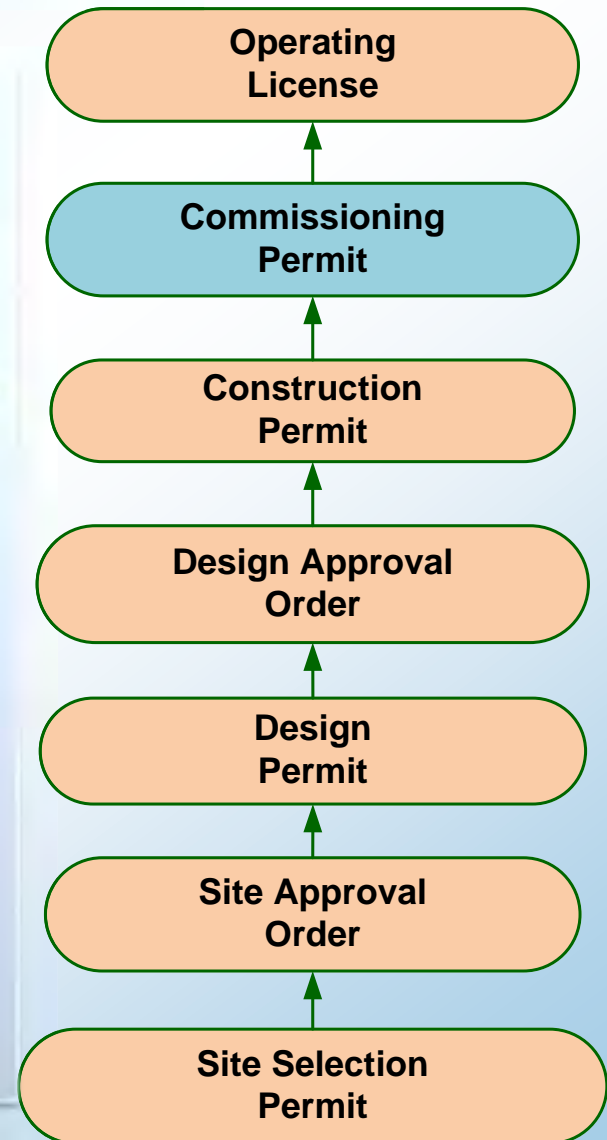
- General schedule for the construction activities
- Technical design of the NF
- Description of the Management system
- CM Decision in essence



Commissioning permit

Application:

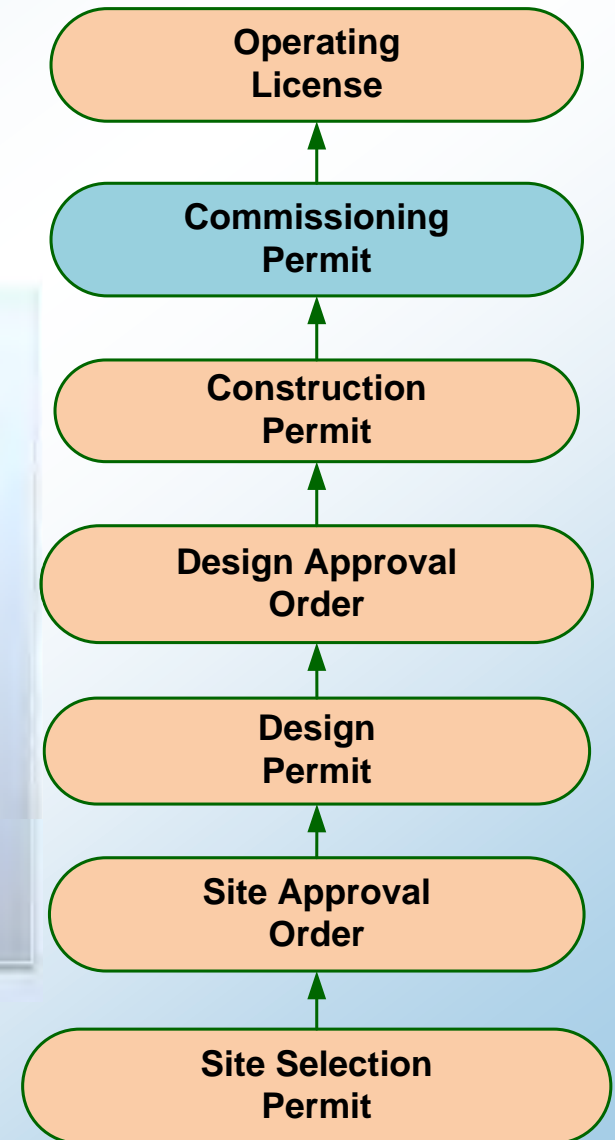
- CM Decision in respect of the Vienna Convention
- Availability of a financial guarantee for nuclear damage
- Construction Use Permit – according to the Spatial Planning Act
- Commissioning Programme
- Tests results
- Technical and operating documentation



Commissioning permit

Commissioning Stages

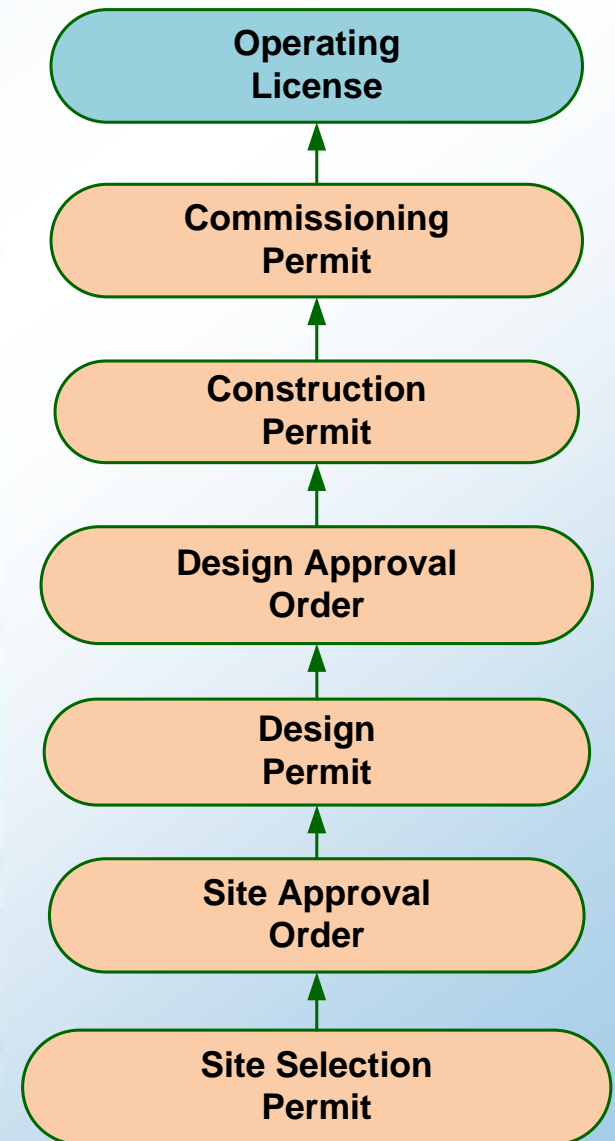
- Initial on-site storage of nuclear fuel
- Initial core load with nuclear fuel
- Initial criticality
- Power start-up and staggered power raise



Operating license

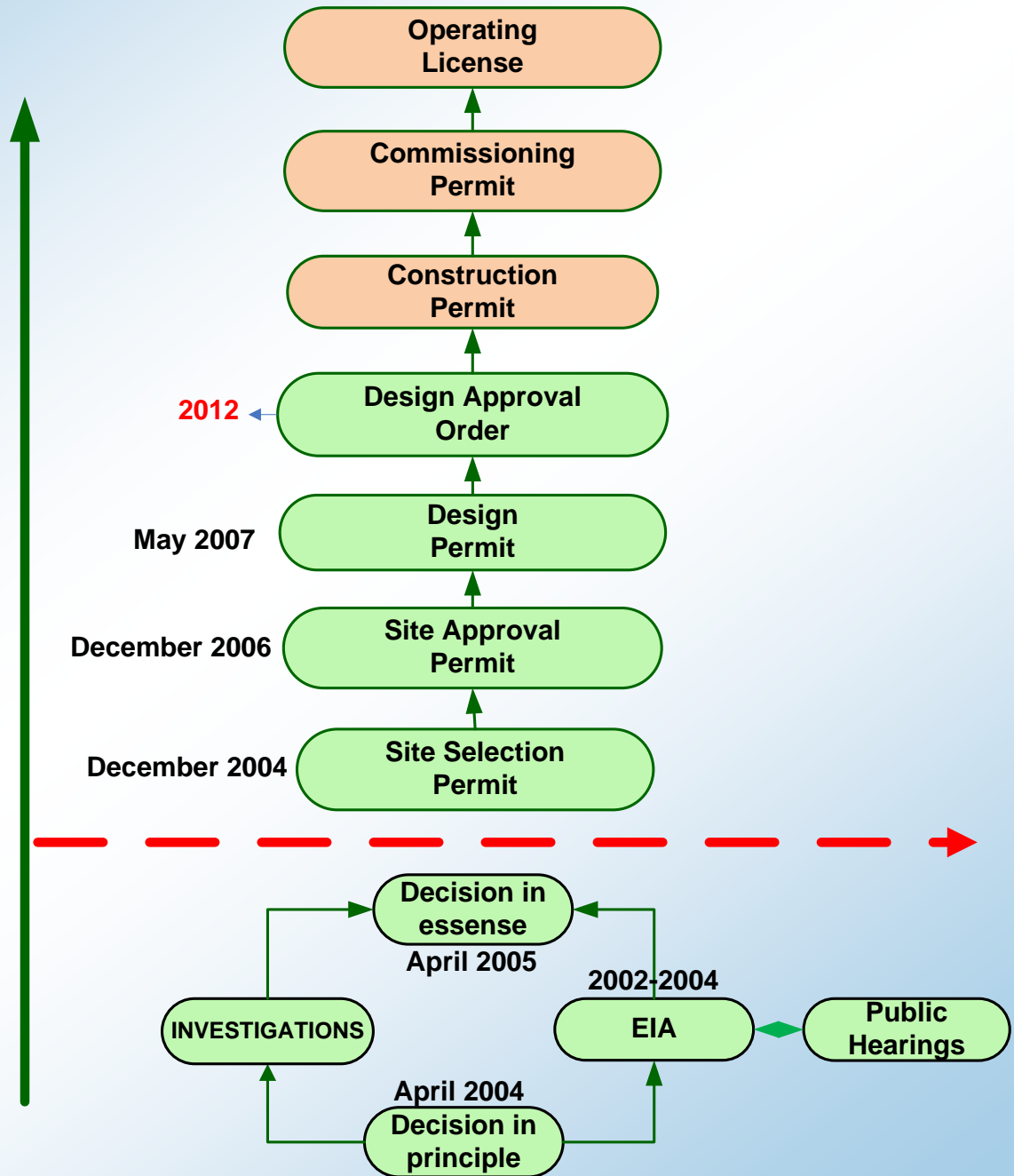
Application:

- Final SAR
- Management System for operations
- Technical and operating documentation
 - Programmes
 - Procedures and instructions
 - Schedules





Belene NPP licensing stages





Kozloduy NPP New Build

**Issued
documents
&
started
procedures**

April 2012

Decision in principle of the Council of Ministers

- consent in principle for undertaking activities necessary for the construction of a new nuclear capacity at Kozloduy region
- the Minister of Economy and Energy should prepare a **report**, which will serve as a basis for the adoption **of a decision in essence for construction of a new NPP**

Kozloduy NPP New Build

**Issued
documents
&
started
procedures**

September 2012

- Kozloduy NPP – New Build PLS started a **procedure for conducting an Environmental Impact Assessment (EIA) and developing an EIA Report.**
- During the final stage of the EIA process, a **decision** from the Ministry of Environment and Water shall be sought as to the admissibility of the investment intent

Kozloduy NPP New Build

**Issued
documents
&
started
procedures**

August 2013

- The Chairman of the NRA issued a **permit for site selection for a nuclear facility – NPP**
- During the term of validity of the permit Kozloduy NPP – New Build PLC should perform investigations connected with site selection and determination of the facility design basis



**Thank You,
for your attention !**
