Defence Nuclear Organisations - Roles and Responsibilities

Director Submarines (DSM) leads a single programme management organisation within the Ministry of Defence (MOD) that covers the nuclear submarine programme throughout the acquisition lifecycle.

The nuclear submarine programme includes:

- the nuclear submarine platforms
- the nuclear weapon programme maintaining the UK's Strategic Deterrent
- the nuclear propulsion programme.

Independent regulation is provided by the Defence Nuclear Safety Regulator.

Director Submarines (DSM)

Director Submarines is responsible for the delivery of equipment and support to the nuclear submarine programme.

This is achieved through an interrelated set of projects that span the acquisition lifecycle:

- Future Submarines
- Production Submarines
- In-Service Submarines
- Submarine Support and Disposal
- Nuclear Propulsion
- Strategic Weapons (including the nuclear warhead).

Chief Strategic Systems Executive (CSSE)

The Chief Strategic Systems Executive reports to DSM and the First Sea Lord and is responsible for:

- assuring the delivery of a robust and coherent programme to provide the United Kingdom's independent nuclear deterrent
- providing assurance to First Sea Lord, delivery of capability and Continuous At Sea Deterrence (CASD).

CSSE is the UK Project Officer for the Polaris Sales Agreement (amended for Trident) with the United States.

The **Head of Strategic Weapons (Hd SW)** reports to CSSE and is responsible for:

- providing and managing the current Strategic Weapon System (SWS) (the Trident missile system and related equipment)
- sustaining a safe and effective UK Nuclear Warhead capability and delivering any successor warheads in accordance with the UK strategic programme
- working closely with the Head of In-Service Submarines to maintain CASD and also with the Head of Future Submarines on the SWS requirements for the future Successor SSBN programme.

The **Head of Future Submarines (FSM)** reports to CSSE and is responsible for:

- developing the requirements for the Successor SSBN project and
- hosting the Strategic Deterrent programme Support Office.

Head of Production Submarines (SMP)

The Head of the Production Submarines project team reports to DSM and is responsible for:

- delivering the Astute Class submarine programme and its associated Training Service and Support Solution
- Sonar 2076 Stage 5, which will be fitted to both Trafalgar and Astute Class submarines.

Head of In-Service Submarines (ISM)

The Head of the In-Service Submarines project team reports to DSM and is responsible for:

- delivering the material safety, availability and capability of in-service submarines.
- specifying contracts and managing overhauls which are carried out at Devonport and Faslane.
- decommissioning and disposal of all submarines.
- provision of a submarine rescue service.

Head of Nuclear Propulsion (NP)

The Head of the Nuclear Propulsion project team reports to DSM and is responsible for:

- in-service submarine nuclear propulsion plants
- developing the technology for the Next Generation Nuclear propulsion Plant (NGNPP) for use in the Successor SSBN.

Chief of Engineering (Submarines)(CE(SM))

The Chief of Engineering Submarines reports to DSM and is responsible for:

- co-ordinating the availability of the engineering resources needed to meet the current and future requirements of the Submarine programme
- providing high level engineering policies, advice and assurance to DSM's programme

- overseeing the development of the technology needed to support the submarine programme in the future
- evolving and delivering the Combat System for use in current and future submarines.

Defence Nuclear Safety Regulator (DNSR)

Defence Nuclear Safety Regulator is the MOD independent regulator for nuclear and radiological safety and environmental protection in the defence nuclear programme.

DNSR regulates both the Nuclear Weapon Programme (NWP) and the Nuclear Propulsion Programme (NPP) ensuring that the UK's Defence Nuclear assets are managed and maintained to high levels of safety, without impacting effectiveness or capability.

DNSR contributes to the development of the safety objectives for the Research and Development (R&D) programme.

In discharging his duties, DNSR:

- owns and maintains Defence Nuclear & Environmental Safety Board (DNESB) nuclear safety regulatory policy on behalf of the Chairman, DNESB
- gains assurance about safety and environmental protection by inspection and permissioning of activities, audit of arrangements, review of safety justifications and assessment of emergency response exercises
- provides assurance about nuclear safety and environmental protection by reports to:
    - DNESB
    - 2nd PUS
    - Defence Environmental and Safety Board (DESB)
    - Defence Nuclear Executive Board (DNEB)
    - Defence Nuclear Safety Committee (DNSC).