



# MCA Job Description

Role Title	Emerging Technologies Frameworks Lead
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Location	HQ Southampton	Grade	G7
Directorate	UK Technical Maritime Services	Reports To	Assistant Director –Technical Standards (Future)
Direct Reports	0	Indirect Reports	0

## Area of work

Within the UK Technical Maritime Services Directorate (UKTMS), Ship Standards has responsibility for developing, and maintaining, UK technical objectives and regulations relating to a wide range of safety and environment issues associated with ships and vessels of all sizes (from small pleasure vessels to the largest internationally trading ships). The Autonomy Team Leader is responsible for developing technical and regulatory objectives around the autonomous vessels and innovative technologies.

This provides a dynamic working environment including regular engagement with operational colleagues in other areas of the Maritime and Coastguard Agency (MCA), other Government Departments, and other national Maritime Administrations, as well as industry stakeholders.

Working with colleagues from across the MCA this role will ‘sit’ at the edge of the existing regulatory frameworks, identifying gaps that hinder or act as a blocker to maritime innovative developments and will work to develop the frameworks to enable innovative designs to operate safely, securely and effectively within the UK. Areas for development include the regulation of novel technologies and designs, supportive maritime testing environments and exploration of the use of inland waterways by innovative maritime technologies.

## Role Purpose

The Emerging Technologies Frameworks Lead is responsible for driving forward the legislative and non-legislative frameworks needed to support the introduction of emerging technologies prior to their eventual transition into the existing or more bespoke regulatory frameworks.

To use their own expertise and knowledge to take a proactive approach to leading, managing and working to develop and maintain UK objectives and regulations relevant to the development of frameworks supportive of innovation to ensure the UK maintains its position at the forefront of innovation in the maritime environment, in support of UK Government objectives for a safe and commercially successful UK fleet

To provide leadership when needed and as a UK Government representative and expert, to act as the focal point for the work on emerging technology frameworks for liaison with stakeholders (both internal and external) to ensure the MCA has an informed and balanced approach that meets the Government's obligations.

To understand the maritime and environmental impact landscape to ensure the timely introduction of regulatory provisions for maritime innovation in support of industry needs and to allow access to technologies as the industry adapts to more diverse challenges and to balance this with society's expectations for improved performance without compromising safety.

To support the delivery of the wider remit of Future Technical Standards across the regulatory portfolio.

## Key Responsibilities

The key responsibilities of this role will include but are not limited to:

- To take ownership for the delivery of subject areas assigned to them, through own individual delivery and effective oversight of the delivery of individual and Future Technical Standards objectives whilst adhering to civil service and MCA expectations. Including identifying potential risks to the MCA within their areas and developing appropriate plans to mitigate such risks.
- To actively engage in, and where appropriate lead, the negotiation, development, implementation and management of subject specific objectives and regulation in order to maintain and further develop a safety-focused, consistent and proportionate regulatory framework for merchant ships in the UK, in particular where this relates to new and emerging technologies.
- Represent the MCA, and/or the UK, at internal, external and international meetings and working groups (e.g., International Maritime Organization (IMO), Department for Transport (DfT) etc.) associated with their areas of responsibility, including the drafting and presentation of substantive papers where necessary and to offer guidance and support to their team in the development of such documents.
- Work collaboratively with and provide a focal point role for industry and MCA colleagues on matters regarding UK objectives and work covered and maintain a positive and proactive role in liaison with MCA consultant surveyors, relevant Directorates and Branches within the MCA, DfT, and external stakeholders.
- Working closely with survey and inspection colleagues, analysts, lawyers and other MCA/DfT colleagues to ensure the timely implementation of regulations and codes and guidance related to new and emerging technologies in accordance with all relevant clearance and consultation requirements, including the drafting of instructions for Government lawyers and the coordination of associated impact assessments. They will ensure that stakeholder consultation, queries, Freedom of Information Act enquiries, briefs, ministerial submissions, and any other associated material are prepared, cleared, and distributed by agreed deadlines.
- Work with the Innovation Hub to identify and horizon scan to develop and maintain an awareness of the national and international political and policy context of the subject area through discussion and liaison with key stakeholders, for example, internal and external government colleagues, industry, Non-Government Organisations, Red Ensign Group, other governments etc.
- Maintain and develop own levels of technical competency, accreditation (if appropriate) and industry insight to ensure ability to keep pace with industry developments and to ensure that their team maintains their levels of technical competence. Ensure that self and team can address subject area questions, especially those related to or impacting on new and emerging technologies raised both internally and externally, and provide advice to senior managers in the MCA, DfT, other government departments and Ministers.
- Working with the Assistant Director and other G7s they will provide leadership to Future Technical Standards and role model the MCA Values and the MCA Way and support the development of their team members to fully realise their potential. To ensure that the MCA visions and values are upheld in all aspects of their work.
- Support the UKTMS contribution to the MCA Business Plan activities and objectives and work to achieve Key Priorities and business plan and Performance Indicator.

## Civil Service Behaviours

The Behaviours shown will be assessed during the recruitment process however, all Maritime and Coastguard Agency employees are expected to meet the [Civil Service Behaviours](#) at their level

- Seeing the big picture
- Managing a quality service
- Making effective decisions
- Delivering at pace
- Working together

## Technical Competencies or Professions

### [Policy Profession Standards \(atlas101.ca\)](#)

- Evidence - Analysis and use of evidence.
  - 1.5 Science and Technology. (Level 3)
  - 1.6 Futures, Foresight and Horizon Scanning (Level 3)
- Delivery – Policy delivery
  - 3.2 Programme and Project Management (Level 3)
- Politics – Politics and democracy
  - 2.1 Advising, briefing, and drafting (Level 3)

## Essential Minimum Criteria

- A demonstrably high standard of drafting ability in order to allow them to draft quality submissions and other regulatory and technical documents.
- Demonstrable knowledge and experience in the use of MS Office suite. Excellent written and oral communication skills.
- A passport valid for international travel is required.

## Special Features of the role (working hours/health standards, etc.)

- The role will require some planned and unplanned travel, for example to support the UK delegation at IMO and for other government or stakeholder meetings and events - with some work and travel taking place outside normal working hours and potentially at weekends.
- Travel to other part of the UK, and overseas, including overnight stays, is also likely.

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