

### Ideas for additional topics to be considered for special training:

*The lists in this Annex are non-exhaustive and non-prescriptive, they are designed to encourage upskilling through the consideration of competencies and skills above and beyond the mandatory training required to become a Rating or Able Seafarer.*

### Deck Ratings

- Introduction to Electronic Charts:
  - Monitoring phase of Passage Planning
  - Chart symbols
  - Terrestrial and GNSS position fixing
- Cargo loading/ discharging principals:
  - Execution of Cargo loading/discharging plan
- Human Element:
  - Understand from a support to operational point of view
  - Bridge Resource Management and interaction with their role
  - Mental Health Awareness and Suicide Alertness
  - Response to Sexual Assault/Sexual Harassment.
  - Response to bullying in the workplace
- Bridge Resource Management
- Interaction with Tugs:
  - Awareness of risks to the tug crew could be detailed
  - Hooking up and making fast
- Safe handling of chemicals (COSHH)
- Meteorological Observations:
  - Correctly interpret meteorological information and understand implication to operation
- Emergency Response:
  - Understanding of emergency duties in wider shipboard context.
  - Recognition of navigational emergencies.
  - Cybersecurity
  - Mass Casualty
  - MASS Rescue – Highlight IMO/IMRF guidance on MASS rescue
  - Awareness of IAMSAR volume for the purpose of awareness
- Modern Skills:
  - Awareness of advanced routeing, considering factors such as wind, current, and waves
  - Awareness of hybrid and zero emission machineries
  - Introduction to the measurement, calculation and documentation of emissions
  - Onboard digital skills
- Sector Specific:
  - Awareness/introduction to GOMO (Guidance Offshore Maritime Operations) for offshore operations (broad introduction to dive, survey, supply and standby)
  - Awareness of offshore windfarm operations
  - Workboat Operations and/or Stability
  - Tug Operations

## Engine Ratings:

- Basic machining and fabrication skills:
  - Turning
  - Milling
  - Hand fitting
  - Pipe fitting
  - Welding and brazing
  - GRP (repairs)
- Plant and machinery including safe working practices:
  - Dismantle and assemble common marine plant such as:
    - Pumps
    - Valves
  - Change/clean filters
  - Safe lifting and slinging operations
- Basic understanding of engineering drawings:
  - Common Engineering Symbols
  - Pipe diagrams
  - Mechanical Assembly Drawings
- Safe operation of steam boilers:
  - Safety devices and trips
  - Safe operation
  - Water level verification
  - Basic understanding of steam hammer
  - Water treatment and tests
- Watchkeeping duties at the rating level:
  - ER logbook entries for parameters and tasks
  - Basic understanding of common machinery to interpret readings/parameters and identify deviations from the norm
- Safe handling of chemicals (COSHH)
- Human Element
  - Understand from a support to operational point of view
  - Engine Room Resource Management and interaction with their role
  - Mental Health Awareness/Suicide Alertness
  - Response to Sexual Assault/Sexual Harassment
  - Response to Bullying in the Workplace
- Emergency Response:
  - Understanding of emergency duties in wider shipboard context
  - Recognition of dangerous situations within the engine room
  - Cybersecurity
  - Mass Casualty
  - MASS Rescue – Highlight IMO/IMRF guidance on MASS rescue
- Modern Skills:
  - IGF Basic Training
  - Future Fuels Awareness
  - Completion of MCA Approved Electrical Propulsion Course (currently under construction)
  - Awareness of hybrid and zero emission machineries
  - Introduction to the measurement, calculation and documentation of emissions
  - Onboard digital skills
- Small Vessel Sector Skills:
  - Awareness of progression within the sector as per MSN 1904
  - AEC 1&2
  - SV Workshop Skills