

## Recreational craft (Directive 2013/53/EU)

**Please consult the Call for Expression for full information on the specific tasks, general specifications and the application. Specific requirements for this sector include:**

### Qualifications

- Master degree (or equivalent) in naval architecture or boat engineering / boat building and 8 years of proven relevant professional experience,  
or
- Bachelor degree (or equivalent) in naval architecture or boat engineering / boat building and 10 years of proven relevant professional experience,  
or
- An outstanding proven relevant professional experience of at least 15 years

### Expertise

- A proven track record of working with harmonised and international standards in the field of recreational craft
- Knowledge of Directive 2013/53/EU (RCD), including related guidance documents published on the Commission's RCD website as well as knowledge of the Recommendations of Use documents prepared by the coordination group of Notified Bodies (RSG)
- Knowledge of related New Approach directives, such as Machinery Directive, Electromagnetic Compatibility, Radio Equipment and Low Voltage Directives
- Knowledge of environmental requirements of the RCD (exhaust emission, noise emissions)
- Experience with various recreational boats' designs (sailing craft and motorized craft, monohull and multihull boats, inflatable and rigid inflatable boats, personal watercraft)
- Experience with the marine propulsion engines' designs (combustion engines - inboard, sterndrive, outboard engines, hybrid engines and electric engines)
- Knowledgeable of boat / marine engine manufacturing technologies and test methods

### Candidates should have preferably a good understanding of the following topics:

- Safety engineering and risk assessment techniques
- Maritime engineering
- Materials technology (Fibreglass, aluminium, wooden boats, glues, resins, paintings)
- Electronics (Electric circuits on boats, electric propulsion)
- Electromagnetic compatibility
- Wireless technologies (Communication systems on board)
- Programmable control systems and functional safety
- Explosion prevention (Protection of gas systems installed on-board)
- Ergonomic/accessibility (Means of reboarding unaided and handling characteristics of boats)
- Emission of and exposure to hazardous emissions (Exhaust emissions from marine engines (NO<sub>x</sub>, HC, CO, PT))
- Acoustics and vibration (Noise emissions of boats / engines)
- Measurement and testing (Test procedures of exhaust and noise emissions measurement)