Offshore Special Regulations

OSR 3.28 Engines, Generators, Fuel

A submission from the Chairman

Charging from renewable energy sources

Purpose or Objective

To implement the World Sailing Sustainability Agenda 2030, Recommendation One – Deliver Sustainability through Technical Standards – Item 10

Proposal

Insert new regulation as follows:

3.28 Engines, Generators, Fuel

3.28.1 Propulsion Engines

** 3.28.1 a) engines and associated systems installed in accordance with their manufacturers’ guidelines and suitable for the size and intended use of the boat

MoMu0,1,2,3 3.28.1 b) an engine which provides a minimum speed in knots of \((1.8 \times \sqrt{LWL}\text{ in metres})\) or \((\sqrt{LWL}\text{ in feet})\)

Mo0,1,2Mu0 3.28.1 c) inboard engine

Mo1,2,3 3.28.1 c) inboard engine, however if less than 12.0 m (39'-4") LH either an inboard engine, or an outboard engine together with permanently installed fuel supply systems and fuel tank(s)

Mo3 3.28.1 c) either an inboard or outboard engine, with associated tanks and fuel supply systems, all securely fastened

** 3.28.1 d) an inboard engine shall have a permanently installed exhaust, cooling system, fuel supply, fuel tank(s) and shall have adequate heavy weather protection

3.28.2 Generator

** 3.28.2 If an optional generator separate from the propulsion engine is carried, it shall be installed in accordance with the manufacturer’s guidelines

3.28.3 Fuel Systems

MoMu0,1,2,3 3.28.3 a) All fuel tanks shall be rigid (but may have permanently installed flexible linings) and shall have a shutoff valve

MoMu0,1,2,3 3.28.3 b) At the start a boat shall carry sufficient fuel to meet charging requirements for the duration of the race and to motor at the above minimum speed for at least 8 hours

MoMu0,1,2 3.28.3 c) If Primary Launch after 2022, shall produce at least 20% of power requirements using renewable energy sources whilst racing

3.28.4 Battery Systems

MoMu0,1,2,3 3.28.4 a) a dedicated engine starting battery when an electric starter is the only method for starting the engine

MoMu0,1,2,3 3.28.4 b) batteries installed after 2011 shall be of the sealed type from which liquid electrolyte cannot escape
Current Position

As above

Reasons

To implement the World Sailing Sustainability Agenda 2030:

“Recommendation One – Deliver Sustainability through Technical Standards

World Sailing will accelerate development of more sustainable equipment and low carbon propulsion by modifying existing standards and regulations which they control, as well as creating new standards that can be adopted to promote sustainability in key related activities.

– Item 10

Specify that all new offshore racing yachts (OSR Cat 0, 1 & 2) constructed after 2022, will produce at least 20% of their power requirements using renewable energy sources whilst racing.”