

Reporting committee: **PROMOTION AND DEVELOPMENT COMMITTEE**
MANAGEMENT COMMITTEE

SEARCH FUNCTIONALITY IN SAILOR SERVICES

PROPOSAL

Enhance the ORC Sailor Services search functionality to support flexible, multi-criteria queries across the ORC database, beyond the current limitations of country/year/specific boat/model. Provide advanced filtering, range search, sorting, and export capabilities.

RATIONALE

Current search limitations restrict sailors, analysts, designers, and event organizers from meaningful comparisons and fleet-wide analysis. Expanded functionality will:

- Allow sailors to identify comparable boats (e.g., similar rig or stability/length characteristics).
- Enable analysts and designers to study fleet evolution (LOA, CDL/APH, year built, class participation).
- Provide organizers with data-driven insights to inform rating policies and event planning.

Desired Capabilities:

- Attribute filters and ranges (with AND/OR logic).
- Similarity search within tolerances (e.g., $\pm x\%$ on I, J, P, E; $\pm y$ on CDL/APH).
- Sorting by any selected column, with saved views and shareable links.
- Download/Export functionality (CSV/XLSX) with customizable columns.
- Optional data visualization (histograms, box plots, etc.).

Expected Benefits:

- Enhanced self-service for sailors, designers, and analysts.
- Data-driven decision-making for organizers and committees.
- Increased transparency regarding fleet composition and rating distribution.
- Reduced support workload by minimizing bespoke data extraction requests.

Implementation Notes:

- Begin with a faceted search interface and server-side query builder.
- Provide clear units/definitions via hover text or tooltips.
- Ensure compliance with privacy/licensing (expose only already-available data).
- Consider a documented read-only API for programmatic access.