

NOAA Nautical Charting Calendar

S-100

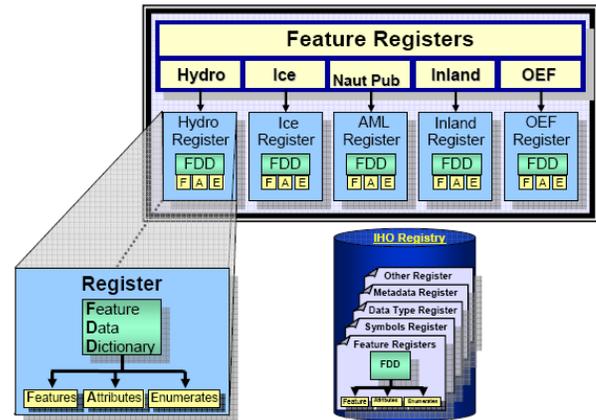
IHO Special Publication 57 (S-57), the “Transfer Standard for Digital Hydrographic Data,” is used to exchange digital hydrographic data between hydrographic offices, manufacturers, mariners, and others. To date, the use of S-57 has been limited to encoding Electronic Navigational Charts (ENCs) used in Electronic Chart Display and Information Systems (ECDIS).

The IHO has embarked on a successor standard designated “S-100” to make hydrographic data more broadly available. S-100 will have an improved maintenance regime compared to S-57, and manageable flexibility that can accommodate change. Future product specifications will be based on a core data model that may be extended for different marine information communities. It will also support a greater variety of hydrographic-related digital data sources, and will enable Web-based services for acquiring, processing, and distributing data,

S-100 is aligned with the ISO 19100 geographic information standards. Alignment with ISO 19100 will require a different way of organizing and defining S-100 compared to S-57. Perhaps the most significant aspect is the employment of a “registry” containing one or more “registers.” (See figure)

In the case of S-100, IHO will host a registry to store various registers of hydrographic information such as feature data

dictionaries, data types, metadata, and portrayal. Unlike S-57, the feature dictionaries will consist only of the definitions for features, attributes and enumerations. Binding between definitions, units of measure, format and the like, will be included in a separate feature catalogue that is specific to each product specification. Other types of marine information will be in separate registers developed and maintained by organizations that choose to be responsible for its content and management.



The draft S-100 and an S-100 Information Paper are available from <http://www.iho.int> > Committees > TSMAD > S-100. The closing date for public comments is 30 August 2008.

SUNDAY		MONDAY		TUESDAY		WEDNESDAY		THURSDAY		FRIDAY		SATURDAY		
Prepared by the Office of Coast Survey, National Ocean Service, NOAA, www.NauticalCharts.NOAA.gov , 1-301-713-2770.								1	2		3			
Note: You can add your own information to the Charting Calendar using Adobe Reader 7 or later. The tools are found at the Tools -> Commenting, and Tools -> Drawing Markup features of Adobe Reader.								4	5	6	7	8	9	10
11		12		13		14		15		16		17		
18		19		20		21		22		23		24		
25		26		27		28		29		30		31		