

Lower Columbia Region Harbor Safety Committee
Harbor Safety Plan | Chapter 10

REQUIRED CHARTS AND PUBLICATIONS GUIDELINES

CHANGE LOG:

Changes Made	Sub-Committee	Date Approved
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A. Introduction

These guidelines provide information on charts and publications required for commercial vessels operating in the Lower Columbia region.

No person may operate or cause the operation of a vessel unless the vessel has the required marine charts and publications of the area prior to entering U.S. waters or departing a U.S. port.

Commercial vessel requirements are contained in 33 CFR 164 and all vessels should have appropriate charts and publications for the areas they are operating in. The information for the charts and publications should be currently corrected for the areas to be transited.

“Currently corrected” means the charts are corrected with changes contained in all Notices to Mariners published by the National Imagery and Mapping Agency, or equivalent foreign government publication.

The Required Charts and Publications list and guidelines:

- Were cooperatively drafted by regulators, pilots, and industry representatives and provide information unique to the river.
- Are to be used in accordance with all International, Federal, State and Local regulations, and the normal practices of good seamanship.

B. Chart Requirements

Marine charts of the areas to be transited should be published by NOAA’s National Ocean Service (NOS) and satisfy the requirements below. Acceptable alternatives to NOAA charts are addressed in Section G of this document.

- Charts must be of a large enough scale and have enough detail to make safe navigation of the areas possible.
- Charts must be corrected through the most recent Notice to Mariners or an approved publication as described in Section G.

C. Guidelines for Vessels Missing Charts

The vessel master must report directly or through their agent to the Captain of the Port (COTP) and pilots if the vessel is missing any of the required or current navigational charts. The master will be required to obtain the proper charts prior to entering U.S. waters. Note that some foreign flagged vessels may report they are missing U.S. charts; however, if they have the appropriate updated foreign charts for their transit those charts will be accepted (refer to Section G of the guidelines). Vessel masters or agents may contact the COTP to verify if the charts the vessel has on board are sufficient for their transit.

Required charts must be acquired before entering the Columbia River. The vessel’s agent or pilot can arrangement to have the appropriate charts delivered prior to

entering the Columbia River. Faxed charts are not an acceptable alternative for missing charts.

In all cases, the vessel shall have the charts in sufficient time to support appropriate voyage planning. Vessel masters shall not rely on last minute chart deliveries and the services of the pilot to make their transit. The bridge team shall remain fully engaged in voyage planning and execution of the voyage plan along with the services of the pilot, whose input, based on local knowledge, may require the voyage plan formulated by the vessels bridge team to be adjusted during various stages of the transit while in pilotage waters.

D. Local Notice to Mariners (LNM)

The Thirteenth Coast Guard District publishes a weekly LNM. Use this LNM or US Notice to Mariners to keep your charts and publications current. The LNM covers aids to navigation, charts, channel depths, marine construction, military operations, bridge repair/construction, significant marine events and other information of interest to mariners. Mariners are urged to take advantage of automatic chart distribution as a quick and easy way to ensure the most up to date charts are on board.

The information from the Local Notice to Mariners (LNM) and the yearly Special Local Notice to Mariners (SLNM) can be found at:

[HTTP://WWW.NAVCEN.USCG.GOV/](http://www.navcen.uscg.gov/). The LNM and SLNM are produced only in an electronic format and no longer mailed.

The web address for the US Notice to Mariners and corrections by chart number is:

[HTTP://WWW.NAUTICALCHARTS.NOAA.GOV/MCD/UPDATES/LNM_NM.HTML](http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.HTML).

E. Required Charts for Areas to be Transited

General Charts	Admiralty Chart Numbers	US Chart Number	US ENC Chart Number*
Columbia River			
Pacific Ocean To Harrington Point	n/a	18521	US50R11M
Harrington Point To Crims Island	n/a	18523	US50R12M
Crims Island To Saint Helens	n/a	18524	US50R13M
St. Helens To Vancouver	n/a	18525	US50R14M
Vancouver To Bonneville	n/a	18531	US50R19M
Entrance to Lord Island	2839	n/a	n/a
Lord Island to Vancouver & Portland	2849	n/a	n/a

General Charts	Admiralty Chart Numbers	US Chart Number	US ENC Chart Number*
Willamette River			
Port of Portland	n/a	18526	US50R15M
Swan Island Basin	n/a	18527	US50R16M
Portland To Walnut Eddy	n/a	18528	US50R17M

* NOAA Electronic Navigational Chart (ENC) numbers are listed for vessels navigating using Electronic Chart Display and Information Systems (ECDIS) that comply with International Maritime Organization (IMO) requirements for SOLAS class vessels.

F. Required Publications

Commercial vessels must have corrected versions of the following publications available for the area to be transited:

- U.S. Coast Pilot.
- Coast Guard Light List.
- Tide tables using data provided by the National Ocean Service.
- Tidal current tables using data provided by the National Ocean Service.
- U.S. Coast Guard International – Inland Navigation Rules.

G. Alternative Charts and Publications

If a ship uses foreign charts and publications such as Canadian or British Admiralty (BA), then these need to meet 33 CFR 164.33(b) requirements. This states that alternative charts or publications may be substituted for a U.S. chart or publication if:

- The chart is of large enough scale and has enough detail to make safe navigation of the area possible, and must be currently corrected.
- The publication, or applicable extract, must singly or in combination contain similar information to the U.S. Government publication to make safe navigation of the area possible.
- The publication or applicable extract must be currently corrected, with the exceptions of tide and tidal current tables, which must be the current editions.

H. Electronic Chart Display and Information System (ECDIS)

The United States Navigation Safety Regulations in 33 CFR Part 164 require that vessels have on board corrected marine charts of the areas to be transited. These charts must be of a large enough scale and have enough detail to make safe navigation in the area possible. Similarly, International regulations for the carriage of

charts and publications are outlined in regulation V/19 of the 1974 International Convention for the Safety of Life at Sea (SOLAS).

An alternative to the carriage of paper navigation charts is an Electronic Chart Display and Information System (ECDIS). ECDIS is a navigation information system which, with adequate back-up arrangements, can be accepted as complying with the chart carriage requirements in regulation V/19 of the 1974 SOLAS Convention, by displaying selected information from a system electronic navigational chart (SENC) with positional information from navigation sensors to assist the mariner in route planning and route monitoring, and by displaying additional navigation-related information.

“If a ship has an approved ECDIS installed according to chapter V, the ECDIS will be considered by the Coast Guard as meeting its nautical chart regulation in 33 CFR 164.33(a)(1), because the ECDIS meets the same navigational safety concerns as do paper nautical charts.”