

NAVIGATION

Passage Planning

The intelligent approach to maritime navigation



Passage planning made simple

Passage planning is a compulsory process for every voyage under SOLAS regulations, ensuring safety, compliance, and operational efficiency. However, gathering and analysing critical data—such as navigational charts, weather forecasts, and environmental restrictions—while accounting for factors like vessel particulars and under keel clearance (UKC) policies can be labour-intensive and time-consuming.

The LR OneOcean Navigation module, Passage Planning (also known as Voyage Planner), simplifies this process by integrating all relevant data into a single, user-friendly platform. By automating route planning and consolidating critical datasets, the module streamlines workflows and empowers maritime professionals to plan voyages that are efficient, safe, and compliant.

CreOcean			🙀 🖉 🗿 Settings Help 🔷 🕓 🕳 🥵
		Voyage Planner	Day Black
Back to Overview			
BEZEE to CAMTR	- Preview		
* BEZEE IN CAMTH episiture Zeebnugge	🔒 🔦 🕨 🙆 ९ ९ 🗎	ĥ t 🖂 💾 😂 🚳 💣 📝 🖷 🔜 🖕	
TD 00.00 26-07-2022 L/TC Tivel Montreel	Print. Previous Next Nevigation Zoom Zoom Page Pr Page Page Page Dane Out In Layout* R Print Nevigation Zoom View		
Trilli Montolal Grada		Lagent Part Posteria age Pasa sona rober Contrainstations	
		OneOcean	
		Overal General Sign Deal Speech Daniel Reads Dealers Ruther By The Deal Speech Daniels Ruther State Daniel Reads Daniel Reads By Type	N ER Security Security
esage Time 16 days 22 hours 57 minutes	Document Map Pages Search Results	Name Poster And Texand Amazong Ratin by Type Texand Post Side Dayle Control Dayle Energy Method Love	
e) inc	OneOcean Passage Plan Crower Street	40° 00° 01° N 12-11	
Al Bens Search X	Vessel Particulars	WP 153 4/ 04 1/2 1 1724 1227 0.5 1242 1247 0.5 1242 1242 1242 1242 1242 1242 1242 124	[] Dest
Not in Outfit Coa, App. Har	 Squat Information 	987 50 7 M 1736 204 10 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	[] Level 1
TYPE NAME TITLE BAND	Squat Graph Squat Table	WP 155 40/00/27 h 1741 104022 104071 4106 0.5 THE REPORT OF THE REPORT O	[] Geni I
AVCS BERVERVK Elevish Banks Counter	Spurt Calculation Notes	WP 156 44/00 36/11 1753 1590.12 40:54 0.5 1990.12 40:54 0.5	[] Leaft
AVCS CA376094 (CA4020) Strait of Belle Isle Coastal	Weypoint Table Chart List	WP 157 44/00 1911 1641 104102 104134 39.27 0.5 Years (10.4000) (10	
AVCS CA376358 (CA5030) Green Bay to/a Double bland Coastal AVCS CA3790326 (CA4432) iles de Mingan Coastal	ENC Charts	WP 158 10 100 1 100 40 55.79 0.5 100 100 100 100 100 100 100 100 100 10	[] Gent
ANCS CA319009 (CA1234) Cap de la Tete au Chien à/to Cap ai Coastal	Paper Charts	WP 153 40 02 25"N 12-36 305 20 37.46 0.5 10.00 10 10 10 10 10 10 10 10 10 10 10 10 1	D Gent
ANCS CA379093 (CA4454) Pointe Curiew à/to Bais Washtawox Coastal	Digital Publications	WP 160 47 57 01 1 00 1 1 000 1 1 000 1 1 000 1 1 000 1 1 000 1 1 000 1 1 0	C) Gent
AVCS CA379115 (CA4668) lie du Petit Mecatina auv/to lies Sai Coastal	Paper Publications Temporary and Preliminary Corrections	We say the first to 000000 2008/10 21.56 0.5 Vess(] 21.56 0.5	[] (m)
Digital Publications	AIO Notices	We HQ dF H 47 N 1967 104140 2428 0.5 VIII.0 2428 0.5 VIII.0 2428 0.5	() (me)
Paper Publications	NavArea Wernings	WP 163 475 171 1 1020 2 3041 M 28/2 0.8 Weat [Pater [0]	11 Level
	Nedex Stations	We fee an in the control of the cont	() (and)
	Radio Contactis ACR5	We Has an entry included 3 (86.2) 26.44 0.5 Viewel Receipt	L1 Level 1
	ADRS # Ports	WP 968 (#7 60 WP 7) (#50 #00 060 22 208604 24.61 0.6 Vessel 100022 208604 24.61 0.6	[] Level 1
	Departure	Mar Tar 47 A* (TV) 2028 300 208.2 90 00 00 00 00100 me/[Mar Tar 672.20 eFW 10040222 3000.77 1048 0.5 1000.001 90 00 00100 me/[104847 [00me/] Mar Tar 672.20 eFW 10040222 3000.77 1048 3 1000.001 90 0 00 00100 [00me/] 10486 [00me/]	[] Level 1
	Actival Weather	012 20 21 11 11 11 11 11 11 11 11 11 11 11 11	[] Level 1
	Pracy	WP 199 247.01 (Th. 25:00) 10710 (Th. 40.0 0.00 207.6 (Th. 440 0.00 200.0 (Th. 440 0.00 2	[] Level
	Additional Notes Accendix	077 218 07 1545 2011 R. 08 160 005 50 00 0 80 00 005 000000000000000000000000000	11 Gent 1
	Tempotery and Preliminary Warnings	002 45 00 10 10 10 10 10 10 10 10 10 10 10 10	[] Gent1
	AID Notices ADRS Stations		[] Level
	hard states	WP-173 073127161W 11-06-2022 2016 MIL 0.6 2015 ML 0.87 800 0006 90 90 0 30 90 075 00000[]	[] Gent
		Pessage Plan No. 2022-002 Page 13	
		Peologie Plan Nui 2022-002 Pege 33 Created by OneOcean at 07/07/2522-54-02	
	Pear: 13 / 48		100%
	Page: 13 / 40 Draft Waypoints (BEZEE to CAMTR)		
	Waypoint	Overall Distance Distance Turn Radius Rate Of Turn Demanded Time Annual Time Annual Time User Distance Type (GC	Dutation
	No. Name Latitude Longitude	Bearing (*) Distance Dostance rum Rabus Kata Of Ium Demanded Hile Annua Time Annua Time UTC Offset (+/-) Distance Type (cc. Speed (kts) Traveled (MM) (MM) (Vm) (/min) (Local) (UTC) (Local) UTC Offset (+/-) (Local) Remaining (VL) Remaining (VL)	(hn) Corridor (m) Port Limit (m) Limit (m)
	1 WP1 51" 19'60" N 003" 11'60" E		00 00:00 100.00 50.00
	2 WP 2 51* 19/ 53* N 003* 11* 50* E	342.72 0.16 0.22 0.50 28.50 0001 26-07-20, 0001 26-07-20, 0000 3090.49 RL 85	00 00:01 100.00 50.00

Advanced tools for precise planning

With dynamically displayed charts, up-to-date weather forecasts, and environmental alerts, the Passage Planning module ensures that maritime professionals can create detailed, fully customisable plans in minutes. This module saves time and reduces human error by automatically populating data into generated routes, which include an adaptable waypoints table that users can modify to meet safety, compliance, or operational requirements.

The module also supports granular route adjustments through an intuitive interface, allowing users to toggle between data layers and optimise routes in real time. The result is a meticulous, fully traceable workflow that eliminates manual planning complexity, enhances decision-making, and ensures compliance with international regulations.



From appraisal to approval, all in one place

The LR OneOcean Passage Planning module simplifies complex processes by integrating key datasets like navigational, port, tidal and weather data into a unified solution. It automates calculations and consolidates essential information to deliver customised plans in minutes. Designed to meet bridge procedure guides, navigational requirements, and STCW Convention standards, the solution adapts to the unique specifications of each vessel and fleet.

Once the appraisal and planning process is complete, the module can generate a fully detailed passage plan, viewable within the solution and ready for export as a professionally formatted PDF. Completed plans are time-stamped, fully traceable, and include features like revision numbering, digital signatures, and mandatory sign-offs—offering clarity and accountability for audits and updates.

Benefits

Simplifies passage planning and adherence to regulations. Populating and ensuring traceability for auditing purposes.

Saves hours of time in collation and preparation by automating data population and reducing dependency on Excel.

Optimises planning by tailoring routes to vessel particulars and routing parameters, while automating real-time assessments, calculations, and adjustments—eliminating the need for manual Excel processes—to ensure safety, efficiency, and optimal performance in dynamic environments.

Reduces grounding risks with advanced UKC management by dynamically factoring in vessel conditions—such as configurable squat effects and proximity to the seabed—while ensuring compliance with industry and company regulations.

Reduces risk of human error by automating data population and calculations, ensuring accurate, reliable passage plans every time.

Ensures full traceability with time-stamped plans, revision numbering, and digital sign-offs, simplifying audits and demonstrating compliance with ease.

Advanced features

Under keel clearance (UKC) management: Allows users to create multiple static, dynamic, or combined UKC policies. Includes configurable squat integration to dynamically update effective draft and align with IMO regulations, as well as automated overhead clearance calculations. These can also be configured and standardised by shoreside personnel.

Integration with UKHO TotalTide: Automatically populates tidal heights for time-savings and accuracy in tidal planning.

Configurable waypoints table: Ensures safety and consistency across fleets by integrating navigation, UKC, and safety data, with shoreside configuration available to standardise settings across all vessels.

Regenerative passage plans: Plans can be revised with full traceability, complete with officer ranks, digital signatures, and revision control for auditing.

Comprehensive charts and publications table: Provides visibility of ENC charts, AIO Notices, ADP areas, and Navarea warnings, ensuring bridge teams are fully informed for each leg of the journey.

For greater efficiencies, you can use Passage Planning alongside the Route Optimisation module of OneOcean Navigation to further improve time, cost, and fuel output.

Explore Route Optimisation

Passage Planning

Speed up passage planning with instant access to all relevant voyage data.

enquiries@oneocean.com oneocean.com/passageplanning



Lloyd's Register and variants of it are trading names of Lloyd's Register Group Limited, its subsidiaries and affiliates. Copyright © OneOcean Group Limited. 2025. A member of the Lloyd's Register group.

