



ADMIRALTY NOTICES TO MARINERS

Weekly Edition 52

29 December 2022

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For information on how to update your ADMIRALTY products using ADMIRALTY Notices to Mariners, please refer to NP294 How to Keep Your ADMIRALTY Products Up-to-Date.

Mariners are requested to inform the UKHO immediately of the discovery of new or suspected dangers to navigation, observed changes to navigational aids and of shortcomings in both paper and digital ADMIRALTY Charts or Publications.

The H-Note App helps you to send H-Notes to the UKHO, using your device's camera, GPS and email. It is available for free download on Google Play and on the App Store.

The Hydrographic Note Form (H102) should be used to forward this information and to report any ENC display issues.

H102A should be used for reporting changes to Port Information.

H102B should be used for reporting GPS/Chart Datum observations.

Copies of these forms can be found at the back of this bulletin and on the UKHO website.

The following communication facilities are available:

NMs on ADMIRALTY website:	Web: admiralty.co.uk/msi
Searchable Notices to Mariners:	Web: www.ukho.gov.uk/nmwebsearch
Urgent navigational information:	e-mail: navwarnings@ukho.gov.uk Phone: +44(0)1823 353448 +44(0)7989 398345 Fax: +44(0)1823 322352
H102 forms (see back pages of this Weekly Edition)	e-mail: sdr@ukho.gov.uk Post: UKHO, Admiralty Way, Taunton, Somerset, TA1 2DN, UK
All other enquiries/information	e-mail: customerservices@ukho.gov.uk Phone: +44(0)1823 484444 (24/7)

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GUIDANCE NOTES FOR THE USE OF ADMIRALTY NOTICES TO MARINERS ON THE UKHO WEBSITE

The Weekly Notices to Mariners (NM) updates for paper Charts and Publications can be accessed via admiralty.co.uk/msi or the searchable NM Website www.ukho.gov.uk/nmwebsearch. The latest digital NM Weekly update is available 10 days prior to the paper publication date; there are no subscription fees for access to the UKHO Notices to Mariners Website.

NB: The NM database includes historical NM data from 1 January 2000, for NMs prior to 2000 the Cumulative List of Notices to Mariners (NP234B-00) must be used.

Software required:

Adobe Acrobat Reader (Version 6.0 or later). Reader software can be obtained direct from the Adobe website (www.adobe.com).

SEARCHABLE NOTICES TO MARINERS

Enter the www.ukho.gov.uk/nmwebsearch website and select the search option that you require following the on screen instructions:

- Search NMs by - Chart Number only
- Search NMs by - Chart Number + Previous NM Number/Year
- Search NMs by - Chart Number + Between Previous and Present Dates
- Search for Single NM by NM Number/Year

To view the NM, NM Note or full-colour NM Blocks, click on the relevant link.

NOTICES TO MARINERS ON-LINE

Enter the admiralty.co.uk/msi website, and then select Notices to Mariners. This will give you access to the following range of Notice to Mariners services:

- *ADMIRALTY NM Web Search*
- *Weekly NMs*
- *NM Block, Notes and Diagrams*
- *Annual NMs*
- *Cumulative NM List*

FURTHER GUIDANCE NOTES

For further details of the online NM facilities please see the NM Guidance Notes on the website, additional detail includes:

- File content and description
- PC and printer specifications

CUSTOMER SERVICE

If you experience any difficulties, please contact the UKHO Customer Services Team in the UK on:

Tel: +44 (0) 1823 484444 (office hours Monday-Friday 6am-10pm GMT and an on call service for emergency permits operated 24/7)

Email: customerservices@ukho.gov.uk

Our Singapore team can also be contacted outside of UK hours on:

Tel: +65 6424 4200

ADMIRALTY NOTICES TO MARINERS

This ADMIRALTY Notices to Mariners Bulletin (ANMB) is published by the UK Hydrographic Office (UKHO). The UK Maritime and Coastguard Agency accepts that both the paper and digital forms of the ANMB comply with carriage requirement for Notices to Mariners within Regulation 19.2.1.4 of the revised Chapter V of the Safety of Life at Sea Convention, and the Merchant Shipping (Safety of Navigation) Regulations, both of which came into force 1 July 2002.

While every effort is made to ensure that the data provided through the Notices to Mariners service is accurate, the user needs to be aware of the risks of corruption to data. It is important that the user should only use the data on suitable equipment and that other applications should not be running on the user's machine at the same time. Users should exercise their professional judgement in the use of data and also consult the Mariners' Handbook (NP100) for further details.

The user needs to be aware that there is a possibility that data could be corrupted during transmission, or in the process of display or printing on the user's equipment, or if converted to other software formats, and is accordingly advised that the UKHO cannot accept responsibility for any such change, or any modifications or unauthorised changes, made by licensees, or other parties.

Planning for the future

Plan with ADMIRALTY Maritime Data Solutions, brought to you by the United Kingdom Hydrographic Office.



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Find out more about our market-leading
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EXPLANATORY NOTES

Dating

Weekly Notices are dated for the Thursday appropriate to the week that the printed version is despatched from the UKHO. They are available earlier from the UKHO website.

Section I - Publications List

At the beginning of the Publications List is an index of ADMIRALTY Charts affected by the Publications List. Thereafter there are a number of standard lists which contain details and announcements concerning charts and publications relevant for the particular Weekly Notice. Full details of how to use the various lists contained in Section I are available in **NP294**.

Special Announcements and Errata are occasionally included at the end of this Section.

Section IA - Temporary and Preliminary (T&P) Notices

A list of T&P Notices in force (along with a list of those cancelled during the previous month), is included in the Weekly NM each month (see below).

Section IB - Current Nautical Publications

Information about Publications including the current edition numbers is included in the Weekly NM at the end of March, June, September and December.

Section II - Updates to Standard Nautical Charts

The notices in Section II give instructions for the updating of standard nautical charts and selected thematic charts in the ADMIRALTY series. Geographical **positions** refer to the horizontal **datum** of the current edition of each affected chart which is stated in the notice alongside the appropriate chart number. Positions are normally given in degrees, minutes and decimals of a minute, but may occasionally quote seconds for convenience when plotting from the graduation of some older-style charts. Where **Leisure Products** are referred to different horizontal datums from the standard nautical charts for that geographical area, positions in the notices cannot be plotted directly on these products. Bearings are true reckoned clockwise from 000° to 359°; those relating to lights are from seaward. Symbols referred to are those shown in NP5011. Depths and heights are given in metres or fathoms and/or feet as appropriate for the chart being updated (abbreviated where necessary to m, fm and ft respectively). Blocks and notes accompanying notices in Section II are placed towards the end of the section.

T&P Notices. These are indicated by (T) or (P) after the notice number and are placed at the end of Section II. They are printed on one side of the paper in order that they may be cut up and filed. To assist in filing, the year is indicated after the notice number and an in-force list is published monthly. **Information from these notices is not included on charts before issue;** charts should be updated in pencil on receipt. Associated diagrams are reproduced with Blocks at the end of Section II.

Original Information. A star (*) adjacent to the number of a notice indicates that the notice is based on original information.

Section III - Navigational Warnings

NAVAREA I Navigational Warnings in force at the specified time quoted in the header are reprinted in Section III. It is recommended that this reprint should be kept in a file or book, followed by subsequent weekly reprints. Only the most convenient ADMIRALTY Chart is quoted. The full text of all Warnings in force is included in Weeks 1, 13, 26 and 39 each year.

Section IV - Sailing Directions

Updates to all Sailing Directions are given in Section IV of *ADMIRALTY Notices to Mariners*. Those in force at the end of the year are reprinted in NP247(2) *Annual Summary of ADMIRALTY Notices to Mariners Part 2*. A list of updates in force is published in Section IV of the Weekly Edition quarterly. Full details of how to keep Sailing Directions up-to-date can be found in NP294 *How to Keep Your ADMIRALTY Products Up-to-Date*.

In 2018, the UKHO began the process of removing AIS and Racon information from ADMIRALTY Sailing Directions, as this is held in greater detail within ADMIRALTY Radio Signals publications. During this transition, AIS and Racon information will be removed from new editions of each Sailing Direction volume, and AIS and Racon information present in existing Sailing Direction volumes will no longer be updated. For accurate, up-to-date information on AIS and Racons, refer to ADMIRALTY Radio Signals publications.

Section V - Lights

Updates to all the List of Lights are given in Section V and may be published in an earlier edition than the chart-updating notice. The entire entry for each light updated will be printed (including minor changes) and an asterisk (*) will denote which column contains a change. In the case of a new light, or where a new sequence is added below the main light, an asterisk (*) will appear under **all** columns. All Section V entries are intended to be cut out and pasted into the appropriate volume. It is emphasised that the List of Lights is the primary source of information on lights and that many alterations, especially those of a **temporary but operational** nature, are promulgated **only** as updates to the List of Lights. Light positions should be regarded as approximate and are intended to indicate the relative positions of lights only. Charts should be consulted for a more authoritative position. When a light is affected by a separate chart-updating notice, its Light List number is always included in the relevant text contained in Section II. The range of a light is normally the nominal range, except when the responsible authority quotes luminous or geographical range - see special remarks for ranges used by each country.

Section VI - Radio Signals

Updates to all the Radio Signals are given in Section VI. When a chart-updating notice is issued for information that is also included within the Radio Signals, the appropriate volume reference number is quoted, followed in parentheses by the number of the Weekly Edition containing (in Section VI) the corresponding update to the service details. The updates in Section VI should be cut out and pasted into the appropriate volumes.

Section VII - Miscellaneous Publications

Updates to the following selected miscellaneous Nautical Publications are contained in Section VII.

NP100	The Mariner's Handbook
NP133A	Paper Chart Maintenance Record
NP133C	ENC Maintenance Record
NP231	ADMIRALTY Guide to the Practical Use of ENCs
NP232	ADMIRALTY Guide to Implementation, Policy and Procedures
NP294	How to Keep your ADMIRALTY Products Up-to-date
NP136(1)	ADMIRALTY Ocean Passages for the World – Atlantic Ocean
NP136(2)	ADMIRALTY Ocean Passages for the World – Indian and Pacific Oceans
NP350(1)	ADMIRALTY Distance Tables – Atlantic Ocean
NP350(3)	ADMIRALTY Distance Tables – Pacific Ocean
NP350(2)	ADMIRALTY Distance Tables – Indian Ocean
NP735	IALA Maritime Buoyage System
NP5011	Symbols and Abbreviations used on ADMIRALTY Paper Charts
NP5012	ADMIRALTY Guide to ENC Symbols used in ECDIS

All Tides Publications

Nautical Almanac Publications, including Sight Reduction Tables.

Section VIII – ADMIRALTY Digital Services

Information relevant to ADMIRALTY Digital Services.

Further Guidance

The Mariner's Handbook (**NP100**) gives a fuller explanation of the limitations of charts and details of the UKHO policy for the promulgation and selection of navigational significant information for charts. Details of chart updating methods can be found in "How to Keep Your ADMIRALTY Products Up-to-date" (**NP294**). All users are advised to study these publications.

CAUTIONARY NOTES**Updating**

Updating information is published by Weekly Notices to Mariners supplemented by navigational warnings for items of immediate importance. It should be borne in mind that they may be based on reports which cannot always be verified before promulgation, and that it is sometimes necessary to be selective and promulgate only the more important items to avoid overloading users; the remainder being included in revised editions of the charts and publications concerned.

Laws and Regulations

While, in the interests of the safety of shipping, the UKHO makes every endeavour to include in its publications details of the laws and regulations of all countries appertaining to navigation, it must be clearly understood:-

- (a) that no liability whatsoever can be accepted for failure to publish details of any particular law or regulation, and
- (b) that publication of the details of a law or regulation is solely for the safety and convenience of shipping and implies no recognition of the international validity of the law or regulation.

Reliance on Charts and Associated Publications

While every effort is made to ensure the accuracy of the information on ADMIRALTY charts and within nautical publications, it should be appreciated that it may not always be complete and up-to-date. The mariner must be the final judge of the reliance he can place on the information given, bearing in mind his particular circumstances, local pilotage guidance and the judicious use of available aids to navigation.

Charts

Charts should be used with prudence: there are areas where the source data are old, incomplete or of poor quality. The mariner should use the largest scale appropriate for his particular purpose; apart from being the most detailed, the larger scales are usually updated first. When extensive new information (such as a new hydrographic survey) is received, some months may elapse before it can be fully incorporated in published charts. On small scale charts of ocean areas where hydrographic information is, in many cases, still sparse, charted shoals may be in error as regards position, least depth and extent. Undiscovered dangers may exist, particularly away from well-established routes.

Satellite-Derived Positions and Chart Accuracy

Mariners must not assume that charts which are referred to WGS84 Datum, or those for which shifts to WGS84 Datum are provided, have been surveyed to modern standards of accuracy. On some charts, owing to the age and quality of the source information, some of the charted detail may not be positioned accurately. In such cases mariners are advised to exercise particular caution when navigating in the vicinity of dangers, even when using an electronic positioning system such as GPS. For further details, see The Mariner's Handbook (**NP100**). This applies to both paper and digital (ADMIRALTY Raster Chart Service and ENC) versions of charts.

ADMIRALTY Charts affected by the Publication List

ADMIRALTY Charts	International Charts
323	INT 603
902	INT 604
903	INT 1177
925	INT 1333
1135	INT 1334
1184	INT 1563
1271	INT 1564
1569	INT 1785
1827	
1828	
2683	
2966	
4603	
4604	
4792	
5501	
5607_11	
5616_13	
5616_22	
5620_12	

PAPER CHART SUNSET

The UKHO has announced its intention to withdraw from paper charts by the end of 2026. This decision has been taken to allow us to focus on our digital navigation products and services that meet the needs of today's and tomorrow's seafarers.

The withdrawal of paper charts will be done in a phased approach over a number of years. Charts withdrawn will be announced in this bulletin in advance.

We will provide more information in this bulletin as we begin the process.

For more information about our decision, timetable, and the impacts, please visit <https://www.admiralty.co.uk/sunsetting-paper-charts>

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CHANGES TO REMAINING PAPER CHARTS

As the UKHO withdraws charts, as part of its sunset of paper charts, you should note the following;

1. We will not add detail from withdrawn charts to omission of detail areas on remaining smaller scale charts.
2. Remaining ADMIRALTY paper charts may not provide suitable scale charting for your purposes.
3. You are encouraged to obtain and use the best scale charting available for your purposes. These may be charts produced by local hydrographic offices. Please consult your Distributor for more information.

UKRAINE NAVIGATIONAL INFORMATION

Owing to insufficient information, it is not always possible to ensure that ADMIRALTY Nautical Publications are completely up-to-date for new dangers or changes to aids to navigation.

Mariners are therefore advised to exercise particular caution when navigating in Ukrainian waters.

BALTIC SEA CHART DATUM 2000 (BSCD2000)

UKHO Products and Services, including foreign charts, in the Baltic Sea region are changing to a new vertical reference system for depth and height information. During this transition period, Charts may be referred to either mean sea level or the new BSCD2000. For further information please contact the national charting authority and see ADMIRALTY Sailing Directions.

This note is to be reviewed in 2026.

PHOTOGRAPHY

ADMIRALTY publications utilise imagery from a wide variety of sources, mariners, port authorities and other users. The UK Hydrographic Office (UKHO) welcomes new imagery of navigational aids, landmarks, coastline, approaches to and from ports and berths. Imagery from the mariner's point of view is especially helpful. Images can be sent to the UKHO using the email publications.queries@ukho.gov.uk. Please include the name and location of the feature in the image and how the image should be accredited within ADMIRALTY publications.

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ADMIRALTY CHARTS AND PUBLICATIONS NOW PUBLISHED AND AVAILABLE

NEW EDITIONS OF ADMIRALTY CHARTS AND PUBLICATIONS

New Editions of ADMIRALTY Charts published 29 December 2022

<i>Chart</i>	<i>Title, limits and other remarks</i>	<i>Scale</i>	<i>Folio</i>	<i>2023 Catalogue page</i>
©4603 INT 603	International Chart Series, Indian Ocean, Australia - North Coast and Adjacent Waters. <i>Includes changes to depths, marine protected areas and cables. (A modified reproduction of INT603 published by Australia.)</i>	1:3,500,000	63	18
©4604 INT 604	International Chart Series, South Pacific Ocean, Coral and Solomon Seas and Adjacent Seas. <i>Changes to depths, contours, marine protected areas and general updating throughout. (A modified reproduction of INT604 published by Australia.)</i> <i>Note: This chart remains affected by Notices 6384(T)/19, 2356(T)/20 and 4123(T)/22.</i>	1:3,500,000	68	18, 104
5501	Mariners' Routeing Guide, Gulf of Suez. <i>Includes changes to depths, lights, buoyage, anchorages and aids to navigation.</i>	1:300,000	-	143

© denotes chart available in the ADMIRALTY Raster Chart Service series.

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ADMIRALTY CHARTS AND PUBLICATIONS TO BE PUBLISHED

ADMIRALTY CHARTS TO BE PUBLISHED 12 JANUARY 2023

New Editions of ADMIRALTY Charts

Chart	Title, limits and other remarks	Scale	Charts to be WITHDRAWN	Folio	2023 Catalogue page
323 INT 1564	International Chart Series, Dover Strait Eastern Part. <i>Includes changes to depths from the latest British Government surveys.</i>	1:75,000	⊙323 INT 1564	1	24
902 INT 1334	International Chart Series, The Sound – Denmark, Københavns Havn. (A) Northern Part. (B) Southern Part. (C) Inderhavnsbroen Passage Span. (D) Knippelsbros Passage Span. (E) Langebro og Lille Langebro Passage Span. (F) Bryggebroens Passage Span. (G) Kalvebodbroens Passage Spans. (H) Slusen og Sjællandsbroens Passage Span. (I) Teglværksbroens Passage Span. (J) Avedøreværket.	1:10,000 1:20,000 1:3,500 1:2,000 1:3,000 1:3,000 1:3,000 1:3,000 1:1,500 1:14,000	⊙902 INT 1334	10	34
	<i>Includes changes to coastline, buoyage, lights, restricted areas and jetties. (A modified reproduction of 134 published by Denmark.)</i>				
903 INT 1333	International Chart Series, Entrance to the Baltic, The Sound, Middle Part. (A) Dragør Havn. (B) Kalve Bridge Passage Spans. (C) Øresundsbroen. (D) The Sound Routeing.	1:50,000 1:7,000 1:3,000 1:12,500 -	⊙903 INT 1333	10	34
	<i>Includes changes to depths, port developments, aids to navigation, obstructions and restricted areas. (A modified reproduction of INT1333 published by Denmark.)</i>				
1271	Korea - West Coast, Daesan Hang, Pyeongtaek - Dangjin Hang and Incheon New Port. (A) Daesan Hang. (B) Pyeongtaek - Dangjin Hang. (C) Incheon New Port.	1:25,000 1:30,000 1:50,000	⊙1271	52	82
	<i>Includes significant safety-related information as follows: changes to depths and coastline.</i>				

⊙ denotes chart available in the ADMIRALTY Raster Chart Service series.

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ADMIRALTY CHARTS AND PUBLICATIONS TO BE PUBLISHED

ADMIRALTY CHARTS TO BE PUBLISHED 12 JANUARY 2023

New Editions of ADMIRALTY Charts (continued)

Chart	Title, limits and other remarks	Scale	Charts to be WITHDRAWN	Folio	2023 Catalogue page
1827	England- South Coast, Harbours on the South East Coast of England.		⊙1827	1	24
	Ⓐ Approaches to Ramsgate.	1:12,500			
	Ⓑ Pegwell Bay and the River Stour.	1:12,500			
	Ⓒ Ramsgate.	1:5,000			
	Ⓓ Broadstairs.	1:5,000			
	Ⓔ Margate.	1:7,500			
	<i>Includes changes to depths from the latest British Government and Port Authority Surveys.</i>				
1828 INT 1563	International Chart Series, England - South-East Coast, Dover to North Foreland.	1:37,500	⊙1828 INT 1563	1	24
	Ramsgate.	1:5,000			
	<i>Includes changes from the latest British Government and Port Authority Surveys.</i>				
2683	Barents Sea, Southern Part.	1:2,000,000	⊙2683	14	18, 134
	<i>Includes significant safety-related information as follows: new submarine cables and obstructions.</i>				
2966	Russia - Murmanskij Bereg, Kol'Skiy Zaliv. Murmansk.	1:50,000 1:25,000	⊙2966	14	38
	<i>Includes significant safety-related information as follows: new submarine cable.</i>				
4792	Canada, Québec/Quebec, Fleuve Saint-Laurent/St Lawrence River, Port de Montréal.		⊙4792	79	130
	Ⓐ	1:15,000			
	Ⓑ	1:15,000			
	Jetée Alexandra.	1:10,000			
	<i>Includes significant safety-related information as follows: changes to depths, obstruction and seaplane areas.</i>				

⊙ denotes chart available in the ADMIRALTY Raster Chart Service series.

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ADMIRALTY CHARTS AND PUBLICATIONS TO BE PUBLISHED

ADMIRALTY CHARTS TO BE PUBLISHED 12 JANUARY 2023

New Editions of ADMIRALTY Small Craft Charts

Chart	Title and other remarks	Scale	Charts to be WITHDRAWN	NP109A Catalogue page
5607_11	Ⓐ River Blackwater Bradwell to Maldon. Ⓑ Bradwell. Ⓒ Tollesbury. Ⓓ Maldon.	1:25,000 1:12,500 1:12,500 1:12,500	5607_11	17
<i>Includes full updates for New Edition and Notices to Mariners affecting source charts.</i>				
5616_13	Oigh Sgeir to Barra. Ⓔ Acairseid Mhór.	1:100,000 1:30,000	5616_13	35
<i>Includes full updates for New Edition and Notices to Mariners affecting source charts.</i>				
5616_22	Loch Boisdale.	1:12,500	5616_22	35
<i>Includes full updates for New Edition and Notices to Mariners affecting source charts.</i>				
5620_12	Milford Haven - Dale Road to Milford Shelf.	1:12,500	5620_12	39
<i>Includes full updates for New Edition and Notices to Mariners affecting source charts.</i>				

Ⓒ denotes chart available in the ADMIRALTY Raster Chart Service series.

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ADMIRALTY CHARTS AND PUBLICATIONS PERMANENTLY WITHDRAWN

ADMIRALTY Charts

<i>Chart to be WITHDRAWN</i>	<i>Main Title</i>	<i>On publication of New Chart/New Edition</i>
4603 INT 603	International Chart Series, Indian Ocean, Australia - North Coast and Adjacent Waters.	©4603 INT 603
4604 INT 604	International Chart Series, South Pacific Ocean, Coral and Solomon Seas and Adjacent Seas.	©4604 INT 604
5501	Mariners' Routeing Guide, Gulf of Suez.	5501

INTENTION TO WITHDRAW CHARTS

It is proposed to withdraw without replacement, the following ADMIRALTY Charts:-

<i>Chart to be WITHDRAWN</i>	<i>Main Title</i>	<i>Date of withdrawal</i>
©1184	Tunisia – Baie De Tunis.	19 January 2023
©1569	Tunisia – Bizerte and Approaches.	19 January 2023

ADMIRALTY CHARTS INDEPENDENTLY WITHDRAWN

ADMIRALTY Charts

<i>Chart to be WITHDRAWN</i>	<i>Main Title</i>	<i>Date of withdrawal</i>
©925 INT 1177	International Chart Series, Sweden – East Coast, Skelleftehamn	29 December 2022
©1135 INT 1785	International Chart Series, Gulf of Bothnia, Sweden – East Coast, Piteå	29 December 2022

© denotes chart available in the ADMIRALTY Raster Chart Service series.

IA
TEMPORARY AND PRELIMINARY NOTICES
In Force 23 December 2022

(Former In Force List dated 18 November 2022 is cancelled)

Cancelled Notices

<i>Area</i>	<i>Notice No.</i>
2	3151(T)/20, 4981(T)/20, 1054(T)/21, 3027(T)/21, 4239(T)/21, 4400(T)/21, 4642(T)/21, 4663(T)/21, 4977(T)/21, 4984(P)/21, 1178(T)/22, 2353(T)/22, 2354(T)/22, 2965(T)/22, 3350(T)/22, 3378(T)/22, 3382(T)/22, 4151(T)/22, 4394(P)/22
3	4776(T)/20, 6176(T)/20
4	1062(T)/19, 3389(T)/19, 2285(T)/20, 3318(T)/20, 864(T)/21, 1588(T)/21, 2143(T)/21, 2331(T)/21, 2425(P)/21, 5028(T)/21, 465(T)/22, 1185(P)/22, 1257(T)/22, 2182(T)/22, 2667(T)/22, 2669(T)/22, 2670(T)/22, 3598(T)/22, 4108(T)/22, 4195(T)/22
5	5943(T)/20, 6191(T)/20, 1494(T)/21, 2496(P)/21, 4159(T)/21, 4417(P)/21, 310(T)/22, 691(T)/22, 1222(P)/22, 2413(T)/22, 4333(T)/22, 4675(T)/22, 4678(T)/22
6	3404(T)/22
7	3475(T)/22
8	4997(T)/18, 985(T)/21, 2648(T)/22, 4021(P)/22, 4197(T)/22
11	4429(P)/21
12	1300(T)/22, 2258(P)/22, 3860(P)/22
13	2346(T)/22
14	356(P)/21, 2166(T)/22, 2436(T)/22, 3840(P)/22, 3874(P)/22, 3960(P)/22
15	2808(T)/21, 3216(T)/21, 5018(T)/21, 647(T)/22, 832(T)/22, 1323(T)/22, 1324(T)/22, 1325(T)/22, 3390(T)/22, 3701(T)/22, 3870(T)/22, 4723(T)/22, 4828(T)/22
16	3528(P)/22, 4762(T)/22
17	3280(P)/18, 6188(T)/19, 2770(P)/20, 3856(P)/22
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<i>No. of No- tice</i>	<i>Charts affected</i>	<i>Locality & Subject</i>	<i>Folio(s)</i>
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4886(T)/22	2014, 2018, 2040	POLAND: Measuring instruments.....	10
4954(T)/22	2859	LATVIA: Buoyage	10
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5095(T)/22	2014, 2018, 2040	POLAND: Works	10
5098(T)/22	2688	POLAND: Measuring instruments; Buoyage	10
5106(T)/22	2014, 2015, 2018, 2040, 2288, 2636, 2677, 2679, 2688, 2816	POLAND: Measuring instruments.....	10
5122(T)/22	2048	LITHUANIA: Buoyage; Scientific instruments; Restricted area	10
5123(T)/22	798	SWEDEN, East Coast: Depths; Swept area.....	10
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1239(P)/22	8010	BELGIUM: Virtual aids to navigation; Light-beacon; Light; Leading line.....	9
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2045(T)/20	1000, 1001	SENEGAL: Depths	20
2262(P)/20	1661, 1690, 1699	MAURITANIA: Depths; Wrecks; Obstructions; Dredged area.....	20
2294(T)/20	1383	GHANA: Fog signal; Superbuoy	34
2885(T)/20	1000, 1001	SENEGAL: Works	20

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9. AFRICA, WEST COAST AND SOUTH ATLANTIC - continued

5473(P)/20	3103	IVORY COAST: Works	34
173(P)/21	1562	GUINEA: Depths; Maintained channel	20
877(P)/21	3103	IVORY COAST: Works; Bridge	34
1310(T)/21	1387, 3118.....	CAMEROON: Buoy	34
1324(P)/21	3108	IVORY COAST: Works; Breakwaters	34
3228(T)/21	3112.....	GHANA: Wreck.....	34
4838(T)/21	1392	TOGO: Buoy.....	34
124(P)/22	3103	IVORY COAST: Dredged area	34
1856(P)/22	1662, 1663	MAURITANIA: Works.....	20
2416(T)/22	1322	GABON: Obstruction.....	34
3743(T)/22	3325	GABON: Buoyage	34
3906(T)/22	863	MOROCCO, West Coast: Wreck	20
3925(P)/22	862	MOROCCO, West Coast: Dredged areas.....	20
4112(P)/22	1699	MAURITANIA: Works; Channels; Buoyage; Pilot boarding place; Spoil grounds; Light; Depths; Wrecks; Obstructions	20
4258(P)/22	3290	CONGO: Depths	34
4287(T)/22	1000, 1001, 1662, 1663	SENEGAL: Works; Offshore installation; Channel; Buoyage; Restricted area; Submarine pipeline.....	20
4291(T)/22	1456	CAMEROON: Depths	34
4296(P)/22	1000, 1663	SENEGAL: Buoyage	20
4318(P)/22	1691, 1771	SOUTH ATLANTIC OCEAN, Ascension Island: Depths; Obstruction.....	35
4352(P)/22	859	MOROCCO, West Coast: Lights; Automatic Identification Systems; Buoyage	20
4563(P)/22	856, 860, 861, 3132, 3133	MOROCCO, West Coast: Buoyage; Lights	18,20
4968(P)/22	1664, 3135, 4104, 4215	SENEGAL: Development area; Works.....	20

10. AFRICA, SOUTH AND EAST COASTS, AND MADAGASCAR

209(T)/18	4153, 4155	SOUTH AFRICA, South Coast: Buoy	35
576(T)/18	1236, 4142	SOUTH AFRICA, South Coast: Wreck	35
2060(T)/18	643, 4170	SOUTH AFRICA, East Coast: Buoy	35
4924(P)/18	663, 3310, 3361 ..	TANZANIA: Depths; Lights; Buoyage; Beacons; Leading line; Submarine pipelines; Jetty; Rocks.....	36
210(T)/19	643	SOUTH AFRICA, East Coast: Depths.....	35
403(T)/19	4142	SOUTH AFRICA, West Coast: Depth	35
2589(T)/19	1846	SOUTH AFRICA, West Coast: Depths; Dredged depths	35
2590(T)/19	4158	SOUTH AFRICA, South Coast: Depth.....	35
2591(T)/19	4162	SOUTH AFRICA, South Coast: Depths	35
2592(T)/19	4174	SOUTH AFRICA, East Coast: Depths.....	35
6161(P)/19	663	TANZANIA: Buoyage; Light-beacons; Works.....	36
6566(T)/19	1236, 4142	SOUTH AFRICA, West Coast: Rocks; Depths.....	35
42(P)/20	668	KENYA: Works; Buoyage; Leading lights; Pilot boarding place	36
1714(P)/20	3530	SOMALIA: Platform; Buoyage	32
3553(T)/20	1236, 1922, 4142, 4145, 4146, 4150, 4151, 4152, 4153, 4154, 4155	SOUTH AFRICA, West Coast: Obstructions; Buoyage	35
276(T)/21	4150	SOUTH AFRICA, South Coast: Buoy; Radar beacon.....	35
1841(T)/22	2078, 4177	SOUTH AFRICA, West Coast: Current meter.....	34

11. RED SEA, ARABIA, IRAQ AND IRAN

3234(T)/13	1229	IRAQ: Wreck	40
5236(T)/14	2523, 2883, 2886, 2887, 3950	QATAR: Buoyage	40
1182(T)/16	333, 2374	EGYPT, Red Sea Coast: Platform; Light	32
4281(P)/16	63	SAUDI ARABIA, Red Sea Coast: Harbour developments; Depths	32
4492(P)/16	11, 1268, 2882, 2884, 3774	IRAN: Platforms; Submarine cables; Submarine pipelines	40

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11. RED SEA, ARABIA, IRAQ AND IRAN - continued

5105(P)/16	16	SAUDI ARABIA, Red Sea Coast: Depths; Wrecks; Submarine pipeline; Rocks; Coral.....	32
2363(P)/17	6, 12, 15, 143, 157, 158, 159, 164, 452, 453, 1925, 2375, 2658, 2659, 2964	RED SEA: Routeing measures.....	32
2822(T)/17	2523, 3790	QATAR: Buoy	40
3559(P)/17	2837, 2889, 3178, 3179	UNITED ARAB EMIRATES: Submarine pipeline; Obstruction	40
4031(P)/17	1265, 3842, 3843, 3844, 3845, 3846	IRAQ: Channel; Depths; Wrecks	40
5287(T)/17	1235, 1265	ARABIA: Buoyage	40
5518(P)/17	1228	IRAQ: Jetty; Dolphins; Mooring buoys; Floating dock; Dredged area	40
1453(T)/18	1235, 1265, 3773	ARABIA, Shaḥḥ al'Arab: Buoyage	40
2528(T)/18	2133, 2373	EGYPT, Red Sea Coast: Buoy	32
4030(P)/18	3772, 3781	QATAR: Depths; Buoyage.....	40
994(P)/19	1229, 1235, 2847, 2884	IRAQ: Works; Buoyage; Channel.....	40
1646(P)/19	3737, 3759	BAHRAIN: Works	40
1937(T)/19	333, 2374	EGYPT, Red Sea Coast: Buoy	32
2208(T)/19	2523, 2837, 2847, 2886, 3772, 3950	QATAR: Buoy	40
3126(P)/19	2837, 2889, 3178, 3179	UNITED ARAB EMIRATES: Works; Offshore installations	40
3154(P)/19	3176, 3412	UNITED ARAB EMIRATES: Restricted area	40
3202(P)/19	3812	SAUDI ARABIA, East Coast: Depths	40
6699(P)/19	3718	SAUDI ARABIA, East Coast: Works; Buoyage; Dredged area	40
1822(T)/20	2854	OMAN: Wreck	40
3127(P)/20	15, 16	SAUDI ARABIA, Red Sea Coast: General information	32
3623(P)/20	27, 2884	IRAN: Channel; Buoyage; Dredged depths; Light-beacons; Dredged areas; Dolphins; Reclamation area; Coastline; Swinging circle; Anchor berths	40
4448(P)/20	12	SAUDI ARABIA, Red Sea Coast: Depths; Obstruction; Dredged areas; Coastline; Beacons	32
4645(P)/20	2132, 2133, 2373	EGYPT, Red Sea Coast: Works; Lights; Dredged area; Virtual aids to navigation.....	32
5242(T)/20	1214, 3773	KUWAIT: Light-beacon; Lights	40
6028(P)/20	3175	UNITED ARAB EMIRATES: Works; Restricted area; Outfall; Buoyage	40
121(T)/21	3777, 3812	SAUDI ARABIA, East Coast: Wreck; Buoyage.....	40
361(T)/21	3763, 3785	OMAN: Works	32,40
2031(T)/21	1223, 2882, 2884, 3773	KUWAIT: Lights.....	40
3623(P)/21	2577	SAUDI ARABIA, Red Sea Coast: Depths.....	32
3693(T)/21	3520, 3723	UNITED ARAB EMIRATES: Buoy.....	40
3859(T)/21	2523, 2837, 2847, 2858, 2886, 3738, 3790	BAHRAIN: Buoy.....	40
4070(P)/21	8054	UNITED ARAB EMIRATES: Buoyage; Light-beacons; Restricted areas.....	40
4104(T)/21	2882, 2883, 3719, 3775, 3788	SAUDI ARABIA, East Coast: Obstruction	40
4609(T)/21	8054	UNITED ARAB EMIRATES: Breakwater	40
4611(P)/21	8054	UNITED ARAB EMIRATES: Light; Works; Buoyage; Breakwaters; Channel	40
4615(P)/21	8054	UNITED ARAB EMIRATES: Anchorage area; Maritime limit.....	40
5210(T)/21	3734, 3736, 3737	BAHRAIN: Works; Submarine pipeline.....	40
271(P)/22	2442, 2837, 2858, 2887, 2888, 2889, 3175, 3176	UNITED ARAB EMIRATES: Restricted area	40
272(P)/22	8101	UNITED ARAB EMIRATES: Light.....	40

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11. RED SEA, ARABIA, IRAQ AND IRAN - continued

362(P)/22	12, 38, 58, 158, 159, 327, 801, 1268, 2375, 2441, 2442, 2443, 2444, 2523, 2599, 2658, 2659, 2851, 2882, 2883, 2884, 2886, 2887, 2888, 2889, 2895, 3171, 3172, 3174, 3175, 3176, 3520, 3723, 3734, 3736, 3737, 3738, 3759, 3760, 3761, 3774, 3775, 3786, 3788, 3790, 3842, 3950	ARABIAN SEA: Submarine cables; Works	32,40,41
597(P)/22	3734, 3736, 3737	BAHRAIN: Dredged area; Reclamation area; Works; Buoyage	40
716(T)/22	2837, 2847, 2883, 2886, 3788, 3790	BAHRAIN: Buoy	40
749(P)/22	3173, 3599	IRAN: Depths; Jetty; Works	40
1064(P)/22	3179, 3778, 3779, 3780	UNITED ARAB EMIRATES: Works; Restricted areas	40
1113(T)/22	2837, 2887, 2888, 2889, 3175, 3176, 3412	UNITED ARAB EMIRATES: Obstruction	40
1202(P)/22	8101	UNITED ARAB EMIRATES: General information	40
1270(P)/22	2886	BAHRAIN: Submarine power cable	40
1452(P)/22	15	SAUDI ARABIA, Red Sea Coast: Buoy; Single Point Mooring; Deep water route; Precautionary area; Submarine pipeline	32
2061(T)/22	3775	SAUDI ARABIA, East Coast: Buoy	40
2114(P)/22	1214	KUWAIT: Reclamation area; Works; Buoyage	40
2115(T)/22	2523, 3772, 3950	QATAR: Buoyage	40
2174(T)/22	2523	QATAR: Buoy	40
2426(T)/22	2882, 2884, 3773	KUWAIT: Buoy	40
2646(P)/22	3752	UNITED ARAB EMIRATES: Buoyage; Works	40
3337(T)/22	2523, 2886, 3772, 3950	QATAR: Buoy; Obstructions	40
3372(P)/22	3176, 3177, 3752	UNITED ARAB EMIRATES: Dredging area; Reclamation area; Works; Buoyage; Restricted area	40
3406(T)/22	159, 2375, 4704 ..	EGYPT, Red Sea Coast: Works	32
3892(T)/22	2443, 2444, 3178, 3179	UNITED ARAB EMIRATES: Buoy	40
4156(T)/22	3174, 3404	UNITED ARAB EMIRATES: Buoyage	40
4751(P)/22	2523, 2837, 2847, 2883, 2886, 2887, 3772, 3950	QATAR: Submarine pipeline; Works; Offshore installation	40
4890(P)/22	2889, 3178	UNITED ARAB EMIRATES: Submarine pipeline; Works	40
4929(P)/22	2443, 2444, 2837, 2886, 2887, 2889, 3178, 3179	UNITED ARAB EMIRATES: Submarine pipeline; Mooring buoys; Anchorage area; Ground tackle; Works	40
5156(T)/22	2443, 2444	UNITED ARAB EMIRATES: Buoy	40
5192(P)/22	8101	UNITED ARAB EMIRATES: Buoyage	40

12. INDIAN OCEAN, PAKISTAN, INDIA, SRI LANKA, BANGLADESH AND BURMA

4002(P)/12	569	INDIA, East Coast: Port developments	43
2877(T)/17	IN 2036	INDIA, West Coast: Buoyage	41
5395(T)/17	39, 707, 4705	PAKISTAN: Wreck	32,41
2839(P)/18	IN 3010, IN 3041 ...	INDIA, East Coast: Anchorage areas; Submarine pipelines; Restricted area	43
2951(T)/18	90	BANGLADESH: Obstruction	43

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12. INDIAN OCEAN, PAKISTAN, INDIA, SRI LANKA, BANGLADESH AND BURMA - continued

3911(P)/18	IN 2016, IN 2076 ...	INDIA, West Coast: Works	41
4921(T)/18	90	BANGLADESH: Wreck	43
5442(T)/18	1488, IN 207, IN 253, IN 254	INDIA, West Coast: Dredging areas	41
5548(P)/18	IN 206, IN 253	INDIA, West Coast: Works	41
5576(P)/18	920	INDIAN OCEAN, Chagos: Restricted areas; Anchorage areas; Depths	38
105(P)/19	319	INDIA, East Coast: Channel limit; Buoyage; Dredged depths; Berth; Floating dock; Pilot boarding places	43
1217(P)/19	IN 292	INDIA, West Coast: Traffic separation scheme	41
2078(P)/19	IN 3012	INDIA, East Coast: Works	43
2106(P)/19	IN 211, IN 255, IN 292, IN 293, IN 2016, IN 2076 ...	INDIA, West Coast: Works; Buoyage	41
2556(T)/19	732	BANGLADESH: Wreck	43
2869(P)/19	IN 203, IN 2013, IN 2031	INDIA, West Coast: Works	41
2871(P)/19	IN 220, IN 259, IN 2004, IN 2029, IN 2045	INDIA, West Coast: Works	41
3115(P)/19	IN 203, IN 2033, IN 2083	INDIA, West Coast: Works	41
3861(T)/19	833	BURMA: Buoy	43
3986(T)/19	722	INDIAN OCEAN, Seychelles: Beacon	36
4267(T)/19	1885	BURMA: Buoy	43
4326(P)/19	1488, IN 207, IN 253, IN 254, IN 292	INDIA, West Coast: Works	41
5223(T)/19	90	BANGLADESH: Obstruction	43
5332(T)/19	90	BANGLADESH: Wreck	43
5363(T)/19	830	BURMA: Works	45
5373(T)/19	3877, 3895, 4701, 4702	INDIAN OCEAN, Comores: Volcanic activity	36,38
5624(T)/19	90, 732	BANGLADESH: Buoyage	43
579(P)/20	IN 254, IN 292	INDIA, West Coast: Depths	41
1004(T)/20	90	BANGLADESH: Wreck	43
1168(P)/20	69, IN 262	INDIA, East Coast: Depths; Recommended anchorage; Buoyage	42
1802(P)/20	IN 211, IN 255, IN 2016, IN 2076 ...	INDIA, West Coast: Bridge; Jetty	41
2164(P)/20	725, 727	INDIAN OCEAN, Chagos: Rocks; Obstructions	38
2332(T)/20	IN 214, IN 215, IN 2022	INDIA, West Coast: Buoyage	41
2821(T)/20	2760, 4070, 4071, 4073, 4707	INDIAN OCEAN: Buoyage	35,42,46
3175(T)/20	823, 826, 833	BURMA: Wreck	43
3503(T)/20	39, 58	PAKISTAN: Quarantine anchorage	41
4221(T)/20	90, IN 31	BANGLADESH: Dredging area	43
4292(P)/20	1470, IN 203	INDIA, West Coast: Depths; Drying heights	41
4378(P)/20	IN 33	INDIAN OCEAN, Nicobar Islands: Depths; Obstructions; Lights	42
4980(P)/20	IN 203	INDIA, West Coast: Buoy; Depths	41
5051(T)/20	2741, 2756	INDIAN OCEAN, Comores: Light	36
6303(P)/20	823, 826, 830, 833	BURMA: Submarine cable; Works	43,45
220(P)/21	709, 813, 1013, 3323, 3700, 4703, 4706, 4707, IN 32, IN 263	SRI LANKA, West Coast: Submarine cable	42

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12. INDIAN OCEAN, PAKISTAN, INDIA, SRI LANKA, BANGLADESH AND BURMA - continued

874(P)/21	12, 15, 159, 164, 263, 264, 333, 818, 830, 2375, 2441, 2442, 2760, 3784, 3943, 4705, 4706, IN 273, IN 293, IN 2036	INDIAN OCEAN: Submarine cables	32,40,41, 42,43,45, 46
1276(T)/21	39, 58	PAKISTAN: Wrecks.....	41
1431(P)/21	IN 3010	INDIA, East Coast: Depths; Quay; Anchorage areas.....	43
2269(P)/21	318, IN 31, IN 32..	INDIA, East Coast: Buoy.....	42,43
2409(P)/21	38	PAKISTAN: Depths; Lights	41
2620(T)/21	813, IN 263	SRI LANKA, West Coast: Wreck	42
2825(P)/21	IN 203, IN 2068, IN 2079, IN 2106 ...	INDIA, West Coast: Berth; Works	41
3518(P)/21	IN 32, IN 223, IN 262	INDIA, East Coast: Works	41,42
4020(P)/21	732	BANGLADESH: Drying heights; Depths; Wrecks; Buoyage; Lights; Coastline; Ferry route.....	43
4125(T)/21	IN 211, IN 255, IN 292, IN 293, IN 2016, IN 2076 ...	INDIA, West Coast: Works	41
4222(T)/21	90	BANGLADESH: Wrecks; Buoy	43
237(T)/22	90, IN 31	BANGLADESH: Wreck	43
519(T)/22	709, 4703, 4706, 4707	INDIA, East Coast: Buoyage	42
606(T)/22	90, 732, IN 351	BANGLADESH: Wreck; Buoy	43
1068(T)/22	317, 318, 319, 2069, 4706, IN 31, IN 32, IN 33, IN 308, IN 352, IN 353	INDIA, East Coast: Obstructions; Scientific instruments.....	42,43
1487(T)/22	90, IN 31	BANGLADESH: Depths	43
1539(T)/22	IN 223, IN 260, IN 261	INDIA, West Coast: Buoyage	41
1755(T)/22	90, IN 31	BANGLADESH: Wreck; Buoyage.....	43
1861(T)/22	90, 1016	BANGLADESH: Wrecks.....	43
1866(P)/22	IN 3001, IN 3028 ...	INDIA, East Coast: Jetty; Dredged area	43
1878(T)/22	4070, 4071, 4073, 4702	INDIAN OCEAN: Buoy	35,38,42
1881(T)/22	529, 716, 721, 724, 2760, 2781, 2785, 3877, 4070, 4071, 4072, 4073, 4104, 4115, 4202, 4203, 4209, 4215, 4216, 4508, 4510, 4701, 4702, 4703, 4706, 4707, 4708, 4714, 4806, 4810, IN 31	INDIAN OCEAN: Buoyage	19,20,34, 35,36,38, 42,43,46, 47,53,64, 87,89,92, 95
1982(P)/22	IN 3037, IN 3038 ...	INDIA, East Coast: Pier; Dredged area; Channel limits; Buoyage; Swinging circle; Restricted area.....	43
2000(T)/22	90, 1016	BANGLADESH: Wreck	43
2001(T)/22	90, 1016	BANGLADESH: Wrecks; Buoy.....	43
2056(T)/22	90, 1016	BANGLADESH: Wreck	43
2159(T)/22	90, 102, 1016	BANGLADESH: Wreck; Buoy	43
2248(T)/22	102, 1016	BANGLADESH: Wreck; Buoy	43
2253(T)/22	102, 1016	BANGLADESH: Works	43
2256(T)/22	90, 102, 1016	BANGLADESH: Wreck	43
2266(T)/22	102	BANGLADESH: Wreck; Buoy	43
2280(T)/22	90, 102, 1016	BANGLADESH: Wreck	43
2316(T)/22	102, 1016	BANGLADESH: Wreck; Buoy	43

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12. INDIAN OCEAN, PAKISTAN, INDIA, SRI LANKA, BANGLADESH AND BURMA - continued

2373(T)/22	90, 1016	BANGLADESH: Wreck	43
2509(T)/22	IN 203, IN 2018, IN 2080	INDIA, West Coast: Wreck	41
2516(T)/22	90, 1016, IN 31	BANGLADESH: Wreck	43
2600(T)/22	IN 203, IN 2068	INDIA, West Coast: Wreck	41
2728(T)/22	IN 211, IN 255, IN 2015, IN 2016 ...	INDIA, West Coast: Wreck	41
3053(P)/22	3048	INDIAN OCEAN, Mauritius: Depths	38
3056(T)/22	90, IN 31	BANGLADESH: Wreck	43
3205(T)/22	IN 203, IN 2080	INDIA, West Coast: Wreck	41
3408(T)/22	317, 830, 1398, 2069, 4706, 4707, IN 31, IN 32, IN 33, IN 313, IN 472, IN 473, IN 3001, IN 3004	INDIA, East Coast: Data buoys	42,43,45
3433(T)/22	707, 709, 4703, 4705, 4706, 4707, IN 22, IN 273, IN 292	INDIA, West Coast: Data buoys	32,41,42
3462(P)/22	IN 254	INDIA, West Coast: Depths; Obstruction	41
3572(T)/22	1488	INDIA, West Coast: Works	41
3632(T)/22	IN 2039, IN 2082, IN 2110	INDIA, West Coast: Buoyage	41
3713(T)/22	39, 707, 709, IN 22, IN 32, IN 214, IN 221, IN 251, IN 253, IN 258, IN 260, IN 261, IN 263, IN 272, IN 292, IN 293	INDIA, West Coast: Obstructions; Scientific instruments	41,42
3873(P)/22	39, 707, 1470, IN 202, IN 203, IN 204, IN 251, IN 292, IN 2031, IN 2060, IN 2068, IN 2079, IN 2080 ...	INDIA, West Coast: Traffic separation scheme; Precautionary areas	41
4089(T)/22	90	BANGLADESH: Obstruction	43
4162(T)/22	IN 2108, IN 2109 ...	INDIA, West Coast: Wreck	41
4226(P)/22	6, 143, 151, 153, 157, 158, 159, 167, 171, 240, 264, 265, 327, 333, 452, 453, 616, 644, 646, 666, 671, 674, 716, 717, 721, 722, 740, 742, 964, 1180, 1196, 1704, 1705, 1925, 1926, 2116, 2122, 2123, 2124, 2133, 2373, 2374, 2375, 2573, 2574, 2578, 2926, 2930, 2949, 2964, 2968, 3310, 3361, 3795, 3797, 3877, 3878, 4146, 4148, 4150, 4151, 4152, 4156, 4157, 4169, 4171, 4177, 4178, 4179, 4180	INDIAN OCEAN: Works; Submarine cables	24,25,32, 34,35,36, 38
4276(T)/22	102, 1016	BANGLADESH: Wreck	43

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12. INDIAN OCEAN, PAKISTAN, INDIA, SRI LANKA, BANGLADESH AND BURMA - continued

4624(P)/22	Q 6099, Q 6111	INDIAN OCEAN: Maritime limit	None,0
4716(P)/22	817, IN 31	BURMA: Wells; Submarine pipeline.....	43
4936(T)/22	IN 212, IN 256	INDIA, West Coast: Buoy.....	41
4945(T)/22	IN 22, IN 32, IN 220, IN 259, IN 260, IN 2029	INDIA, West Coast: Buoy.....	41,42
4949(T)/22	317, 569, 707, 1470, 2069, IN 22, IN 31, IN 32, IN 33, IN 205, IN 206, IN 211, IN 212, IN 213, IN 215, IN 216, IN 219, IN 221, IN 253, IN 255, IN 256, IN 257, IN 258, IN 259, IN 260, IN 262, IN 272, IN 273, IN 292, IN 293, IN 352, IN 353, IN 2008, IN 2120	INDIAN OCEAN: Buoyage	41,42,43
5040(T)/22	IN 3001, IN 3004 ...	INDIA, East Coast: Works; Jetty	43

13. MALACCA STRAIT, SINGAPORE STRAIT AND SUMATERA

1030(T)/16	1140, 3946.....	MALAYSIA, Peninsular Malaysia, West Coast: Obstruction.....	45
2152(T)/17	3831, 3833, 4041	SINGAPORE STRAIT: Buoy.....	45
1401(P)/18	1312, 2422, 2435, 2436, 2470, 2868, 2870, 3947	INDONESIA, Sumatera: Submarine cables	45,46,47, 48
4673(P)/18	2873, 3947	INDONESIA, Sumatera: Submarine cable	45,46
637(T)/19	3471	INDONESIA, Sumatera: Buoy	46
1335(T)/19	3949	INDONESIA, Sumatera: Wreck	46
4676(T)/19	2152, 2155	MALAYSIA, Peninsular Malaysia, West Coast: Buoyage	45
6060(P)/19	1146, 3946, 3947.	MALAYSIA, Peninsular Malaysia, West Coast: Depths	45
2024(P)/20	3940, 3946, 3947	MALACCA STRAIT: Submarine cable	45
2031(P)/20	3833	SINGAPORE STRAIT: Anchorage areas.....	45
2218(P)/20	3833	SINGAPORE: Works.....	45
2221(P)/20	3833	SINGAPORE: Submarine cables.....	45
2529(T)/20	3948	INDONESIA, Sumatera: Wreck	46
2741(T)/20	2403, 3833, 3902, 3948	INDONESIA, Sumatera: Wreck	45,46
2752(P)/20	8285	SINGAPORE: Automatic Identification System	45
4198(T)/20	3902, 3947	MALAYSIA, Peninsular Malaysia, West Coast: Works	45
4424(P)/20	1312, 2403, 2869, 3831	INDONESIA, Sumatera: Light-beacon	45,46,47
5973(P)/20	8285	SINGAPORE: Radio reporting points	45
165(T)/21	3831, 3833, 3937, 4041	INDONESIA, Sumatera: Wreck	45
2267(T)/21	3833, 4039, 4040	SINGAPORE STRAIT: Wreck	45
3009(P)/21	1312, 2403, 2414, 2422, 2436, 2470, 2869, 3482, 3831	SINGAPORE STRAIT: Works; Submarine cable	45,46,47
4687(P)/21	1312, 2403, 2869, 3831, 5527	INDONESIA, Sumatera: Light-beacon	45,46,47
4739(T)/21	4031, 4032, 8176	SINGAPORE: Buoy; Works	45
5090(T)/21	4038	SINGAPORE: Buoyage	45
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1	Africa Pilot Volume 1	19th (2020)
2	Africa Pilot Volume 2	19th (2022)
3	Africa Pilot Volume 3	18th (2019)
4	South-East Alaska Pilot	8th (2015)
5	South America Pilot Volume 1	20th (2021)
6	South America Pilot Volume 2	19th (2019)
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13	Australia Pilot Volume 1	6th (2020)
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18	Baltic Pilot Volume 1	20th (2022)
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21	Bay of Bengal Pilot	13th (2019)
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44	Malacca Strait and West Coast of Sumatera Pilot	15th (2022)
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57A	Norway Pilot Volume 2A	14th (2022)
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59	Nova Scotia and Bay of Fundy Pilot	16th (2020)
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80	Volume G	Western Side of South Atlantic Ocean and East Pacific Ocean	3 rd (2022)
81	Volume H	Northern and Eastern Coasts of Canada	3 rd (2022)
82	Volume J	Western Side of the North Atlantic Ocean	3 rd (2023)
83	Volume K	Western Pacific Ocean, South of the Equator	2 nd (2022)
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85	Volume M	Western Side of North Pacific Ocean	3 rd (2022)
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87	Volume P	North part of South China and Eastern Archipelagic Seas, plus Western part of East China, Philippine and Yellow Seas	3 rd (2022)
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		Part 5: North America, Canada and Greenland	3 rd (2022)
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203-23	Volume 3	Indian Ocean (including Tidal Stream Tables)
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222	Edition 1	Firth of Clyde and Approaches, 1992
233	Edition 3	Dover Strait, 1995
249	Edition 2	Thames Estuary, 1985 (with Co Tidal Charts)
250	Edition 4	The English Channel, 1992
251	Edition 4	North Sea, Southern Part, 2005
252	Edition 4	North Sea, North Western Part, 2005
253	Edition 2	North Sea, Eastern Part, 2004
254	Edition 1	The West Country, Falmouth to Teignmouth, 2003
255	Edition 1	Falmouth to Padstow, including the Isles of Scilly, 2004
256	Edition 4	Irish Sea and Bristol Channel, 1992
257	Edition 3	Approaches to Portland, 1973
258	Edition 1	Bristol Channel, Lundy to Avonmouth, 2006
259	Edition 1	Irish Sea Eastern Part, 2006
263	Edition 1	Lyme Bay, 2003
264	Edition 5	The Channel Islands and the Adjacent Coasts of France, 1993
265	Edition 2	France, West Coast, 2005
337	Edition 4	The Solent and Adjacent Waters, 1993

NP No	Co-Tidal Atlases	
214	Edition 2	Persian Gulf, 1999
215	Edition 1	South-East Asia, 1979

(5) ADMIRALTY Reference Publications

NP No	Title	Edition
100	The Mariner's Handbook	12 th (2020)
133C	ENC and ECDIS Maintenance Record	2 nd (2017)
136(1)	ADMIRALTY Ocean Passages for the World, Atlantic Ocean	2 nd (2021)
136(2)	ADMIRALTY Ocean Passages for the World, Indian and Pacific Oceans	2 nd (2021)
231	ADMIRALTY Guide to the Practical Use of ENCs	3 rd (2019)
232	ADMIRALTY Guide to ECDIS Implementation, Policy and Procedures.	3 rd (2019)
294	How to Keep Your ADMIRALTY Products Up-to-Date.	11 th (2022)
735	IALA Maritime Buoyage System.	8 th (2018)
5011	Symbols and Abbreviations used on ADMIRALTY Paper Charts – INT1	8 th (2020)
5012	ADMIRALTY Guide to ENC Symbols used in ECDIS	2 nd (2015)
350(1)	ADMIRALTY Distance Tables - Atlantic Ocean	2 nd (2011)
350(2)	ADMIRALTY Distance Tables - Indian Ocean	3 rd (2008)
350(3)	ADMIRALTY Distance Tables - Pacific Ocean	2 nd (2009)

(6) ADMIRALTY Digital Services

Please refer to Section VIII of ADMIRALTY Weekly Notices to Mariners.

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5155 MISCELLANEOUS UPDATES TO CHARTS

Source: UKHO

Chart Previous Update Details

976 New Edition **Effective from 29/12/22**
INT 1786 08/09/2022 Insert accompanying note, USE LARGER SCALE CHARTS, centred on
65° 08'·81N., 21° 26'·93E.
Amend chart number to read, SE 4151, in position 65° 11'·65N., 21° 40'·82E.

5127* ENGLAND - East Coast - Submarine pipeline. Legends.

Source: IOG

Chart 105 [*previous update 5070/22*] ETRS89 DATUM

Insert submarine pipeline, -----, joining: 53° 11'·04N., 2° 05'·86E.
(a) 53° 10'·31N., 2° 06'·79E.
(b) 53° 08'·19N., 2° 07'·23E.
legend, *Gas* (see Note), along: (a)-(b) above

Chart 1408 [*previous update 5070/22*] WGS84 DATUM

Insert submarine pipeline, -----, joining: 53° 11'·0N., 2° 05'·9E.
(a) 53° 10'·3N., 2° 06'·8E.
(b) 53° 08'·2N., 2° 07'·2E.
legend, *Gas* (see Note), along: (a)-(b) above

Chart 1503 (INT 1509) [*previous update 5070/22*] ETRS89 DATUM

Amend legend to, *Gas* (see Note), centred on: 53° 09'·52N., 2° 07'·28E.

5128* SCOTLAND - East Coast - Legends. Note.

Source: Northern Lighthouse Board

Chart 222 [*previous update 864/20*] ETRS89 DATUM

Delete legend, *Planned*, centred on:
58° 01'·22N., 2° 40'·48W.
58° 01'·20N., 2° 39'·83W.
57° 57'·35N., 2° 40'·17W.
57° 57'·25N., 2° 39'·49W.
57° 53'·30N., 2° 39'·84W.
57° 53'·20N., 2° 39'·14W.
57° 49'·25N., 2° 39'·73W.
57° 48'·90N., 2° 39'·13W.
57° 45'·45N., 2° 39'·25W.
57° 45'·50N., 2° 38'·63W.
57° 42'·60N., 2° 35'·78W.
57° 42'·89N., 2° 34'·76W.

Chart 1462 (Panel I, Banff and Macduff) [*previous update 4984/22*] ETRS89 DATUM

Delete legend, *Planned*, centred on: 57° 41'·25N., 2° 32'·70W.

II

5128* SCOTLAND - East Coast - Legends. Note. (continued)

Chart 2182C (INT 1041) [*previous update 4984/22*] WGS84 DATUM

Delete legend, Under construction (see Note), centred on: 58° 08′.6N., 2° 41′.9W.
note, WIND FARM UNDER CONSTRUCTION, centred on: 59° 24′.7N., 7° 19′.0E.

Chart 5617_6 [*previous update New Chart 11/11/2021*] ETRS89 DATUM

Delete legend, *Planned*, centred on: 57° 42′.97N., 2° 36′.25W.
57° 42′.89N., 2° 34′.76W.

Chart 5617_7 (Panel A, Banff to Buckie) [*previous update New Chart 11/11/2021*] ETRS89 DATUM

Delete legend, *Planned*, centred on: 57° 49′.25N., 2° 39′.73W.
57° 48′.90N., 2° 39′.13W.
57° 45′.45N., 2° 39′.25W.
57° 45′.50N., 2° 38′.63W.
57° 42′.60N., 2° 35′.78W.
57° 42′.89N., 2° 34′.76W.

5129* IRELAND - North East Coast - Submarine cables.

Source: Global Marine Group

Chart 1121 (INT 1062) [*previous update 4673/22*] ETRS89 DATUM


Insert submarine cable, , joining:
55° 12′.1N., 5° 14′.8W.
55° 10′.9N., 5° 18′.7W.
55° 11′.3N., 5° 23′.1W.
55° 06′.7N., 5° 30′.2W.
55° 04′.2N., 5° 31′.6W.
54° 58′.4N., 5° 37′.9W.
54° 54′.3N., 5° 39′.1W.
and
54° 49′.6N., 5° 08′.8W.
54° 43′.0N., 5° 10′.9W.
54° 39′.4N., 5° 17′.7W.
54° 37′.3N., 5° 29′.6W.


Chart 1237 [*previous update 3451/22*] ETRS89 DATUM

Insert submarine cable, , joining:
54° 53′.585N., 5° 48′.741W.
54° 53′.468N., 5° 49′.024W.
54° 53′.289N., 5° 49′.513W.

II


5129* IRELAND - North East Coast - Submarine cables. (continued)

Chart 1411 (INT 1608) [*previous update 3761/22*] ETRS89 DATUM

Insert submarine cable, , joining:


54° 52′.92N., 5° 50′.23W.
54° 54′.61N., 5° 46′.08W.
54° 54′.39N., 5° 38′.92W.
54° 56′.02N., 5° 38′.56W.
and
54° 50′.69N., 5° 08′.38W.
54° 43′.09N., 5° 10′.96W.
54° 39′.42N., 5° 17′.51W.
54° 39′.36N., 5° 20′.09W.
54° 38′.83N., 5° 23′.46W.
54° 37′.54N., 5° 27′.90W.

Chart 1753 (INT 1661) [*previous update 1488/22*] ETRS89 DATUM

Insert submarine cable, , joining:


54° 37′.32N., 5° 32′.01W.
54° 37′.31N., 5° 30′.79W.
54° 37′.27N., 5° 30′.06W.
54° 37′.29N., 5° 29′.05W.
54° 37′.64N., 5° 27′.54W.
54° 38′.31N., 5° 25′.45W.

Chart 2093 [*previous update 3065/22*] ETRS89 DATUM

Insert submarine cable, , joining:

54° 37′.32N., 5° 31′.99W.
54° 37′.25N., 5° 28′.94W.
54° 38′.78N., 5° 23′.83W.
54° 39′.37N., 5° 19′.74W.
54° 39′.38N., 5° 17′.76W.
54° 42′.63N., 5° 11′.56W.
54° 43′.34N., 5° 10′.96W.

Chart 2198 [*previous update 1488/22*] ETRS89 DATUM


Insert submarine cable, , joining:

54° 52′.93N., 5° 50′.31W.
54° 54′.76N., 5° 45′.87W.
54° 54′.46N., 5° 44′.10W.
54° 54′.40N., 5° 39′.57W.
54° 54′.99N., 5° 38′.80W.
54° 58′.42N., 5° 38′.00W.
55° 02′.25N., 5° 33′.68W.
and
54° 37′.32N., 5° 31′.99W.
54° 37′.26N., 5° 29′.10W.
54° 38′.83N., 5° 23′.46W.
54° 39′.36N., 5° 20′.09W.
54° 39′.42N., 5° 17′.51W.
54° 43′.09N., 5° 10′.96W.
54° 50′.34N., 5° 08′.49W.
54° 50′.81N., 5° 08′.17W.

II

5129* IRELAND - North East Coast - Submarine cables. (continued)

Chart 2635 (INT 1061) [*previous update 1946/22*] ETRS89 DATUM

Insert submarine cable, , joining:


55° 11'·4N., 5° 17'·2W.
55° 10'·9N., 5° 18'·7W.
55° 11'·3N., 5° 23'·1W.
55° 06'·7N., 5° 30'·2W.
55° 04'·2N., 5° 31'·6W.
55° 00'·0N., 5° 36'·1W.

Chart 2724 (INT 1606) [*previous update New Edition 15/09/2022*] ETRS89 DATUM

Delete legend, *Under Construction*, centred on:


55° 12'·78N., 5° 03'·36W.
54° 59'·76N., 5° 36'·88W.
54° 48'·26N., 5° 09'·53W.
54° 38'·53N., 5° 23'·36W.

Chart 5610_16 [*previous update 99/22*] ETRS89 DATUM

Insert submarine cable, , joining:


55° 13'·65N., 4° 51'·62W.
55° 13'·25N., 4° 56'·54W.
55° 12'·85N., 4° 58'·80W.
55° 12'·47N., 5° 05'·72W.
55° 11'·81N., 5° 11'·69W.
55° 12'·14N., 5° 14'·92W.
55° 11'·20N., 5° 17'·81W.

Chart 5612_10 (Panel A, Approaches to Donaghadee Sound) [*previous update 1392/22*] ETRS89 DATUM

Insert submarine cable, , joining:

54° 37'·32N., 5° 32'·01W.
54° 37'·31N., 5° 30'·79W.
54° 37'·27N., 5° 30'·06W.
54° 37'·29N., 5° 29'·05W.
54° 37'·64N., 5° 27'·54W.
54° 38'·31N., 5° 25'·45W.

Chart 5612_11 (Panel A, Mull of Galloway to Craig Laggan) [*previous update New Chart 11/11/2021*] ETRS89 DATUM


Insert submarine cable, , joining:

54° 50'·81N., 5° 08'·15W.
54° 50'·06N., 5° 08'·64W.
54° 44'·82N., 5° 10'·28W.
54° 43'·26N., 5° 11'·00W.
54° 42'·68N., 5° 11'·59W.
54° 39'·48N., 5° 17'·55W.
54° 39'·38N., 5° 18'·00W.

II


5129* IRELAND - North East Coast - Submarine cables. (continued)

Chart 5612_14 (Panel A, Larne Lough to Cushendun Bay) [*previous update New Chart 11/11/2021*] ETRS89 DATUM

Insert submarine cable, , joining:

54° 52'·90N., 5° 50'·28W.
54° 53'·15N., 5° 49'·83W.
54° 54'·78N., 5° 45'·88W.
54° 54'·48N., 5° 44'·28W.
54° 54'·46N., 5° 41'·57W.
54° 54'·31N., 5° 40'·42W.
54° 54'·72N., 5° 38'·95W.
54° 57'·52N., 5° 38'·27W.
54° 58'·66N., 5° 37'·68W.

Chart 5612_4 [*previous update 1392/22*] ETRS89 DATUM

Insert submarine cable, , joining:


54° 37'·32N., 5° 31'·99W.
54° 37'·25N., 5° 28'·94W.
54° 38'·78N., 5° 23'·83W.
54° 39'·37N., 5° 19'·74W.
54° 39'·38N., 5° 17'·76W.
54° 40'·00N., 5° 16'·58W.

Chart 5612_1 [*previous update 3065/22*] ETRS89 DATUM

Insert submarine cable, , joining:

54° 52'·92N., 5° 50'·24W.
54° 54'·61N., 5° 46'·08W.
54° 54'·39N., 5° 38'·92W.
54° 56'·02N., 5° 38'·56W.
and
54° 50'·69N., 5° 08'·38W.
54° 43'·09N., 5° 10'·96W.
54° 39'·42N., 5° 17'·51W.
54° 39'·36N., 5° 20'·09W.
54° 38'·83N., 5° 23'·46W.
54° 37'·54N., 5° 27'·90W.

Chart 5612_24 [*previous update 3065/22*] ETRS89 DATUM

Insert submarine cable, , joining:

55° 12'·1N., 5° 14'·8W.
55° 10'·9N., 5° 18'·7W.
55° 11'·3N., 5° 23'·1W.
55° 06'·7N., 5° 30'·2W.
55° 04'·2N., 5° 31'·6W.
54° 58'·4N., 5° 37'·9W.
54° 54'·3N., 5° 39'·1W.
and
54° 49'·6N., 5° 08'·8W.
54° 43'·0N., 5° 10'·9W.
54° 39'·4N., 5° 17'·7W.
54° 37'·3N., 5° 29'·6W.

II

5129* IRELAND - North East Coast - Submarine cables. (continued)

Chart 5613_23 [*previous update 3761/22*] ETRS89 DATUM

Insert	submarine cable, ~~~, joining:	55° 12'·1N., 5° 14'·8W. 55° 10'·9N., 5° 18'·7W. 55° 11'·3N., 5° 23'·1W. 55° 06'·7N., 5° 30'·2W. 55° 04'·2N., 5° 31'·6W. 54° 58'·4N., 5° 37'·9W. 54° 54'·3N., 5° 39'·1W. and 54° 49'·6N., 5° 08'·8W. 54° 43'·0N., 5° 10'·9W. 54° 39'·4N., 5° 17'·7W. 54° 37'·3N., 5° 29'·6W.
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5146* ENGLAND - East Coast - Depth.

Source: FPV Morven

Chart 1183 (INT 1561) [*previous update 4880/22*] ETRS89 DATUM

Insert	depth, 2, and extend 2m approximate contour NW to enclose	51° 42'·21N., 1° 30'·10E.
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Chart 1975 [*previous update 4880/22*] ETRS89 DATUM

Insert	depth, 2, and extend 2m approximate contour NW to enclose	51° 42'·21N., 1° 30'·10E.
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Chart 5607_2 [*previous update 4880/22*] ETRS89 DATUM

Insert	depth, 2, and extend 2m approximate contour NW to enclose	51° 42'·21N., 1° 30'·10E.
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5151* SCOTLAND - Shetland Islands - Depths.

Source: NIRAS

Chart 3299 (Panel D, Fair Isle - North Haven) [*previous update 3584/22*] ETRS89 DATUM

Insert	depth, 5 ₉ , and extend 10m contour W to enclose	59° 32'·406N., 1° 36'·170W.
	depth, 5, and extend 5m contour W to enclose	(a) 59° 32'·375N., 1° 36'·190W.
Delete	depth, 7 ₅ , close NE of:	(a) above
Insert	depth, 4 ₈ , enclosed by 5m contour	(b) 59° 32'·359N., 1° 36'·213W.
Delete	depth, 7 ₃ , close NE of:	(b) above
Insert	depth, 2 ₁ , enclosed by 5m contour	(c) 59° 32'·343N., 1° 36'·254W.
Delete	depth, 7 ₄ , close N of:	(c) above

II

5165* ENGLAND - East Coast - Well.

Source: Ithaca Energy UK Ltd

Chart 105 [*previous update 5127/22*] ETRS89 DATUM

Delete	 <i>Well (disused)</i>	53° 24′.40N., 1° 31′.45E.
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Chart 1408 [*previous update 5127/22*] WGS84 DATUM

Delete	 <i>Well</i>	53° 24′.4N., 1° 31′.5E.
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Chart 1503 (INT 1509) [*previous update 5127/22*] ETRS89 DATUM

Delete	 <i>Well</i>	53° 24′.40N., 1° 31′.45E.
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5166* ENGLAND - South Coast - Buoyage.

Source: Portland Harbour Authority

Chart 2268 [*previous update 3962/22*] ETRS89 DATUM

Insert	 <i>No 1</i>	50° 35′.47N., 2° 27′.14W.
	 <i>No 2</i>	50° 35′.29N., 2° 27′.37W.
	 <i>No 3</i>	50° 35′.07N., 2° 27′.24W.
	 <i>No 4</i>	50° 34′.76N., 2° 27′.15W.
	 <i>No 5</i>	50° 34′.50N., 2° 26′.65W.
	 <i>No 6</i>	50° 35′.21N., 2° 25′.59W.
	 <i>No 7</i>	50° 35′.40N., 2° 25′.90W.
	 <i>No 8</i>	50° 35′.71N., 2° 26′.36W.
	 <i>No 9</i>	50° 35′.78N., 2° 26′.86W.

5169* SCOTLAND - East Coast - Legends. NM Block.

Source: Northern Lighthouse Board

Chart 1409 (INT 1504) [*previous update 3189/22*] ETRS89 DATUM

Insert	the accompanying block, centred on:	58° 08′.4N., 2° 43′.9W.
Delete	legend, <i>Planned</i> , centred on:	57° 58′.81N., 2° 38′.94W.
		57° 44′.18N., 2° 33′.97W.

II

5170* ENGLAND - East Coast - Light-beacon.

Source: Par Harbour Notice 1/22



Chart 148 [*previous update 751/22*] ETRS89 DATUM

Replace  with  Fl.G.3s 50° 20'·36N., 4° 41'·74W.

Chart 1267 [*previous update 4066/22*] ETRS89 DATUM

Replace  with  Fl.G.3s 50° 20'·36N., 4° 41'·74W.

Chart 5602_2 (Panel A, Helford River to Fowey) [*previous update 3647/22*] ETRS89 DATUM

Replace  with  Fl.G.3s 50° 20'·36N., 4° 41'·74W.

5175* SCOTLAND - Shetland Islands - Depths.

Source: NIRAS

Chart 3282 [*previous update 4868/22*] ETRS89 DATUM

Insert depth, 9₄, enclosed by 10m contour (a) 60° 35'·98N., 1° 02'·67W.
Delete depth, 11₃, close W of: (a) above

Chart 3292 [*previous update 4154/22*] ETRS89 DATUM

Insert depth, 1, enclosed by 2m contour (a) 60° 36'·26N., 1° 01'·92W.
Delete depth, 15₂, close S of: (a) above
Insert depth, 15₅ (b) 60° 36'·14N., 1° 01'·88W.
Delete depth, 18, close SW of: (b) above
Insert depth, 0₆, enclosed by 2m contour 60° 36'·07N., 1° 02'·12W.
Delete depth, 14 (c) 60° 36'·01N., 1° 02'·27W.
Delete depth, 15₂, close NE of: (c) above
Insert depth, 7₇ (d) 60° 36'·09N., 1° 02'·43W.
Delete depth, 8₈, close E of: (d) above
Insert depth, 9₄, enclosed by 10m contour (e) 60° 35'·98N., 1° 02'·67W.
Delete depth, 10₁, close E of: (e) above

5190* ENGLAND - West Coast - Depths.

Source: Bristol Port Company

Chart 1166 (Panel A, Avonmouth to Severn Bridge) [*previous update 4242/22*] ETRS89 DATUM

Insert depth, 6₆ 51° 30'·27N., 2° 44'·35W.

Chart 1176 (INT 1654) [*previous update 4242/22*] ETRS89 DATUM

Insert depth, 7₉, enclosed by 10m contour 51° 30'·05N., 2° 46'·07W.
Delete depth, 6₆ 51° 30'·27N., 2° 44'·35W.

II

5190* ENGLAND - West Coast - Depths. (continued)

Chart 1859 (INT 1655) (Panel A, King Road) [*previous update 4242/22*] ETRS89 DATUM

Insert	depth, 7 ₉ , enclosed by 10m contour	51° 30′.048N., 2° 46′.068W.
	depth, 4 ₅ , enclosed by 5m contour	51° 30′.343N., 2° 45′.244W.
	depth, 1 ₁ , enclosed by 2m contour	51° 30′.441N., 2° 45′.204W.
	depth, 3 ₇ , enclosed by 5m contour	(a) 51° 30′.484N., 2° 44′.884W.
Delete	depth, 8 ₆ , close SW of:	(a) above
Insert	depth, 4 ₇ , enclosed by 5m contour	51° 30′.542N., 2° 44′.707W.
	depth, 6 ₂	51° 30′.588N., 2° 43′.793W.
	depth, 6 ₆	(b) 51° 30′.269N., 2° 44′.353W.
Delete	depth, 7 ₃ , close SE of:	(b) above
Insert	depth, 5 ₄	(c) 51° 31′.097N., 2° 43′.059W.
Delete	depth, 6 ₄ , close W of:	(c) above

Chart 5608_20 [*previous update 4242/22*] ETRS89 DATUM

Insert	depth, 7 ₉ , enclosed by 10m contour	51° 30′.048N., 2° 46′.068W.
	depth, 4 ₅ , enclosed by 5m contour	51° 30′.343N., 2° 45′.244W.
	depth, 1 ₁ , enclosed by 2m contour	51° 30′.441N., 2° 45′.204W.
	depth, 3 ₇ , enclosed by 5m contour	(a) 51° 30′.484N., 2° 44′.884W.
Delete	depth, 8 ₆ , close SW of:	(a) above
Insert	depth, 4 ₇ , enclosed by 5m contour	51° 30′.542N., 2° 44′.707W.
	depth, 6 ₂	51° 30′.588N., 2° 43′.793W.
	depth, 6 ₆	(b) 51° 30′.269N., 2° 44′.353W.
Delete	depth, 7 ₃ , close SE of:	(b) above
Insert	depth, 5 ₄	(c) 51° 31′.097N., 2° 43′.059W.
Delete	depth, 6 ₄ , close W of:	(c) above

Chart 5608_18 (Panel A, Avonmouth to Severn Bridge) [*previous update 4242/22*] ETRS89 DATUM

Insert	depth, 6 ₆	51° 30′.27N., 2° 44′.35W.
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Chart 5608_16 (Panel A, Bristol Deep to King Road) [*previous update 4242/22*] ETRS89 DATUM

Insert	depth, 7 ₉ , enclosed by 10m contour	51° 30′.05N., 2° 46′.07W.
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Chart 5608_16 (Panel B, Continuation to Avonmouth) [*previous update 4242/22*] ETRS89 DATUM

Insert	depth, 7 ₉ , enclosed by 10m contour	51° 30′.05N., 2° 46′.07W.
	depth, 6 ₆	51° 30′.27N., 2° 44′.35W.

5210 IRELAND - West Coast - NM Blocks.

Source: UKHO

Chart 3338 [*previous update 4343/22*] ETRS89 DATUM

Insert	the accompanying block, centred on:	53° 04′.6N., 9° 31′.7W.
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Chart 3339 [*previous update 4740/22*] ETRS89 DATUM

Insert	the accompanying block, centred on:	53° 04′.4N., 9° 31′.2W.
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II

5144 RUSSIA - White Sea Coast - Foul.

Source: Russian Notice 32/3534/22

Chart 2295 [*previous update 5079/21*] WGS84 DATUM

Insert  # 64° 31'·63N., 40° 31'·90E.

5130 SWEDEN - West Coast - NM Block.

Source: Swedish Notice 939/17033/22

Chart 853 (INT 1314) [*previous update New Edition 15/09/2022*] WGS84 DATUM

Insert the accompanying block, centred on: 58° 23'·9N., 11° 23'·7E.

5136 FINLAND - West Coast - Restricted area. Buoyage.

Source: Finnish Notice 20/178-179/22

Chart 2616 (INT 11431) (Panel A, Kokkola) [*previous update 2430/22*] WGS84 DATUM


Insert limit of restricted area, entry prohibited, pecked line, ,
joining: 63° 52'·43N., 23° 01'·67E.
63° 52'·49N., 23° 01'·44E.
63° 52'·61N., 23° 01'·33E.
63° 52'·77N., 23° 01'·50E.
63° 52'·80N., 23° 01'·67E.
63° 52'·76N., 23° 01'·87E.
63° 52'·67N., 23° 01'·94E.

Chart 2616 (INT 11431) (Panel B, Rahja) [*previous update 2430/22*] WGS84 DATUM


Replace  with  64° 13'·75N., 23° 43'·18E.
64° 14'·17N., 23° 43'·20E.

Chart 3675 (INT 1144) [*previous update 4575/19*] WGS84 DATUM

Replace  with  64° 13'·75N., 23° 43'·18E.
64° 14'·17N., 23° 43'·20E.

Chart 3862 (INT 1143) [*previous update 2430/22*] WGS84 DATUM

Insert symbol, entry prohibited 63° 52'·63N., 23° 01'·62E.

5143 SWEDEN - West Coast - Buoy.

Source: Swedish Notice 939/17251/22

Chart 869 (INT 1311) [*previous update 3732/22*] WGS84 DATUM

Delete  58° 23'·46N., 11° 37'·93E.

II

5159 DENMARK - Islands - NM Block.

Source: Danish Chart Correction 25/262/22

Chart 958 (INT 1336) (Panel B, Rønne) [previous update 5080/22] WGS84 DATUM

Insert the accompanying block, centred on: 55° 05'·7N., 14° 41'·0E.

5174 SWEDEN - East Coast - Depth.

Source: Swedish Notice 939/17179/22

Chart 1010 [previous update 3791/22] WGS84 DATUM

Delete depth, I 65° 32'·49N., 22° 22'·05E.


5191 SWEDEN - East Coast - Buoyage.

Source: Swedish Notice 939/17248/22

Chart 924 (INT 1176) [previous update 5109/22] WGS84 DATUM

Insert  Q 64° 39'·53N., 21° 18'·35E.


Replace  Q(3)10s with  Q(3)10s 64° 39'·37N., 21° 18'·64E.

 Fl G 3s with  Fl G 3s 64° 39'·38N., 21° 18'·30E.

5142 NETHERLANDS - Buoy.

Source: Netherlands Notice 48/338/22

Chart 1457 (INT 1464) [previous update 4507/22] WGS84 DATUM

Delete  GW 53° 13'·79N., 5° 17'·00E.

5145 NETHERLANDS - Depths.

Source: Netherlands Notice 48/341/22

Chart 116 (INT 1477) [previous update 4592/22] WGS84 DATUM

Insert depth, 4, and extend 5m contour E to enclose 51° 31'·89N., 3° 24'·68E.
depth, 7₀ (a) 51° 27'·45N., 3° 31'·22E.

Delete depth, 8₄, close SE of: (a) above

Chart 1872 [previous update 4592/22] WGS84 DATUM

Insert depth, 7₀ (a) 51° 27'·45N., 3° 31'·22E.

Delete depth, 8₄, close NW of: (a) above

Chart 1874 (INT 1474) [previous update 4592/22] WGS84 DATUM

Insert depth, 4, and extend 5m contour E to enclose 51° 31'·89N., 3° 24'·68E.
depth, 7₀ (a) 51° 27'·45N., 3° 31'·22E.

Delete depth, 8₄, close NW of: (a) above

II

5147 NETHERLANDS - Buoy.

Source: Netherlands Notice 48/342/22

Chart 126 (INT 1468) [*previous update 4677/22*] WGS84 DATUM

Insert  VQ(9)10s ZINK-W 52° 43'·59N., 4° 37'·11E.

5152* GERMANY - North Sea Coast - Depths.

Source: WSA Weser-Jade-Nordsee, Survey 84709/22

Chart DE 4 (INT 1457) [*previous update 4781/22*] WGS84 DATUM

Insert	depth, 7 ₂	(a)	53° 26'·77N., 8° 29'·54E.
Delete	depth, 8 ₃ , close S of:		(a) above
Insert	depth, 7 ₅	(b)	53° 26'·30N., 8° 29'·58E.
Delete	depth, 8 ₅ , close S of:		(b) above

5153* GERMANY - North Sea Coast - Depth.

Source: WSA Elbe-Nordsee, Survey 84842/22

Chart DE 42 (INT 1366) (Panel C, Brunsbüttel) [*previous update 3615/22*] WGS84 DATUM

Insert depth, 10₂ 53° 53'·137N., 9° 08'·911E.

Chart DE 46 (INT 1453) (Panel, Brunsbüttel) [*previous update 5000/22*] WGS84 DATUM

Insert depth, 10₂ 53° 53'·137N., 9° 08'·911E.

5180* GERMANY - North Sea Coast - Depths.

Source: WSA Elbe-Nordsee, Survey 85134/22

Chart DE 44 (INT 1452) (Panel, Cuxhaven) [*previous update 5125/22*] WGS84 DATUM

Insert	depth, 8 ₅ , and extend 10m contour SW to enclose		53° 51'·640N., 8° 44'·860E.
	depth, 13 ₃	(a)	53° 51'·799N., 8° 43'·673E.
Delete	depth, 14 ₇ , close NW of:		(a) above
Replace	depth, 13 ₆ , with depth, 11 ₆		53° 51'·795N., 8° 44'·537E.

Chart DE 44 (INT 1452) [*previous update 5125/22*] WGS84 DATUM

Insert	depth, 8 ₅ , and extend 10m contour SW to enclose	(a)	53° 51'·64N., 8° 44'·86E.
Delete	depth, 11 ₉ , close SW of:		(a) above

II

5185* NORTH SEA - Danish Sector - Automatic Identification System.

Source: DK 47/990/22

Chart DE 50 (INT 1045) [previous update 4201/22] WGS84 DATUM

Insert	Automatic Identification System, AIS, at Tyra East A, B, C, D, E, F, G, H platform	55° 43′.3N., 4° 48′.1E.
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Chart 267 [previous update 3855/22] WGS84 DATUM

Insert	Automatic Identification System, AIS, at DUC-TE- A, B, C, D, E, F platform	55° 43′.23N., 4° 48′.01E.
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Chart 1422 (INT 1044) [previous update 4709/22] WGS84 DATUM

Insert	Automatic Identification System, AIS, at platform	55° 43′.3N., 4° 48′.1E.
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Chart 2182B (INT 1042) [previous update 5126/22] WGS84 DATUM

Insert	Automatic Identification System, AIS, at platform	55° 43′.3N., 4° 48′.2E.
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5186 NORTH SEA - Norwegian Sector - Obstructions. Submarine pipelines.

Source: Norwegian Notice 19/69112/22

Chart 1427 (INT 1401) [previous update 4875/22] WGS84 DATUM

Insert	 <i>Obstn</i> submarine pipeline,  , joining:	(a) 61° 24′.3N., 3° 59′.9E. (a) above 61° 23′.3N., 3° 58′.8E.
Insert	 <i>Obstn</i> submarine pipeline,  , joining:	(b) 61° 24′.0N., 4° 03′.9E. (b) above 61° 21′.8N., 4° 00′.8E.

5149 CROATIA - NM Block. Depths.

Source: ENC HR600M22

Chart 680 (Panel C, Dubrovnik Marina) [previous update New Edition 26/07/2018] WGS84 DATUM

Insert	the accompanying block, centred on: depth, 0 ₈	42° 40′.2N., 18° 07′.5E. (a) 42° 40′.287N., 18° 07′.737E.
Delete	depth, 1 ₃ , close E of:	(a) above

Chart 680 [previous update New Edition 26/07/2018] WGS84 DATUM

Insert	depth, 5 ₃	(a) 42° 40′.206N., 18° 07′.330E.
Delete	depth, 6, close W of:	(a) above
Insert	5m contour, joining:	(b) 42° 40′.247N., 18° 07′.353E. 42° 40′.220N., 18° 07′.352E.
Delete	former 5m contour, joining:	(c) 42° 40′.197N., 18° 07′.343E. (b) above (c) above
Replace	depth, 5 ₅ , with depth, 4 ₈	42° 40′.215N., 18° 07′.360E.

II

5168 TURKEY - Marmara Denizi - Buoyage.

Source: Turkish Notice 30/115/22

Chart 497 (Panel B, Yarimca to İzmit) [*previous update 4969/22*] WGS84 DATUM

Delete  40° 45'·82N., 29° 44'·34E.
40° 45'·73N., 29° 44'·09E.
40° 45'·71N., 29° 44'·03E.

 40° 45'·09N., 29° 44'·89E.

5179 TURKEY - West Coast - Lights.

Source: Turkish Notice 30/116/22

Chart 1618 (Panel B, Nemrut Limanı) [*previous update 1869/22*] WGS84 DATUM

Amend light to, Iso.Y.4s9m3M 38° 45'·693N., 26° 55'·634E.
38° 45'·701N., 26° 55'·762E.

5188 CROATIA - Depth.

Source: Croatian Notice 8/10/22

Chart 680 [*previous update 5149/22*] WGS84 DATUM

Insert depth, 9₄ 42° 39'·658N., 18° 03'·243E.

5132 BAHRAIN - Wrecks.

Source: ENC BH51504B

Chart 3738 (INT 7254) [*previous update New Edition 25/08/2022*] WGS84 DATUM

Replace :Wk with :Wk 26° 14'·76N., 50° 44'·02E.

Chart 3759 [*previous update New Edition 25/08/2022*] WGS84 DATUM

Insert :Wk (a) 26° 14'·760N., 50° 44'·020E.

Delete :Wk, close W of: (a) above

II

5160* UNITED ARAB EMIRATES - Buoy.

Source: Abu Dhabi National Oil Company

Chart 3179 (INT 7229) [*previous update 4905/22*] WGS84 DATUM

Insert  Fl.Y.5s ODAS RI 24° 25'·85N., 52° 35'·23E.

Chart 3779 [*previous update New Edition 05/05/2022*] WGS84 DATUM

Insert  Fl.Y.5s ODAS RI 24° 25'·82N., 52° 35'·23E.

Chart 3780 [*previous update 4905/22*] WGS84 DATUM

Insert  Fl.Y.5s ODAS RI 24° 25'·83N., 52° 35'·23E.

Chart 3951 (INT 7241) [*previous update 4905/22*] WGS84 DATUM

Insert  Fl.Y.5s ODAS RI 24° 25'·86N., 52° 35'·23E.

5181* UNITED ARAB EMIRATES - Wrecks.

Source: Dubai Maritime City Authority

Chart 3176 (INT 7216) [*previous update 2785/22*] WGS84 DATUM

Replace  Wk with  Wks 25° 08'·11N., 55° 06'·15E.

Chart 3739 (INT 7220) [*previous update New Edition 04/11/2021*] WGS84 DATUM

Insert  Wks (a) 25° 08'·11N., 55° 06'·15E.

Delete  Wk, close SE of: (a) above

5133 INDIA - West Coast - Wreck.

Source: Indian Notice 14/142/22

Chart IN 210 [*previous update New Edition 30/11/2019*] WGS84 DATUM

Insert  PA 20° 13'·21N., 72° 39'·20E.

Chart IN 254 (INT 7331) [*previous update 3565/22*] WGS84 DATUM

Insert  PA 20° 13'·2N., 72° 39'·2E.

Chart IN 292 (INT 7021) [*previous update 2829/22*] WGS84 DATUM







Insert  PA 20° 13'·2N., 72° 39'·2E.

II

5137 CHINA - East Coast - Buoyage.

Source: Chinese Notices 18/688/17 and 42/1432/22

Chart 1768 [previous update 3370/22] CGCS 2000 DATUM

Insert	 <i>Fl(2+1)R.9s No 106</i>	23° 45′.58N., 117° 30′.41E.
	 <i>VQ(3)5s</i>	23° 45′.44N., 117° 30′.40E.
	 <i>Fl(2)G.6s No 1</i>	(a) 23° 45′.35N., 117° 30′.35E.
Delete	 <i>Fl.G.4s</i> , close NE of:	(a) above
Insert	 <i>Fl.R.4s No 2</i>	(b) 23° 45′.18N., 117° 30′.40E.
Delete	 <i>Fl.G.4s</i> , close SW of:	(b) above

5138 MALAYSIA - Peninsular Malaysia, East Coast - Platforms.

Source: Marine Department, Malaysia Notice 169/22


Chart 2414 [previous update 4992/22] WGS84 DATUM

Insert		7° 15′.6N., 103° 36′.4E. 7° 09′.1N., 103° 43′.2E. 7° 07′.0N., 103° 40′.0E.
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Chart 2426 [previous update 3808/22] WGS84 DATUM

Insert		7° 15′.6N., 103° 36′.4E. 7° 09′.1N., 103° 43′.2E. 7° 07′.0N., 103° 40′.0E.
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Chart 3482 (INT 550) [previous update 4992/22] WGS84 DATUM

Insert		7° 15′.6N., 103° 36′.4E. 7° 09′.1N., 103° 43′.2E. 7° 07′.0N., 103° 40′.0E.
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5139 VIETNAM - Buoyage.

Source: VMS-North Notice 85/22

Chart 3882 [previous update New Edition 27/10/2022] WGS84 DATUM

Insert	 <i>Fl.G.3s HP55</i>	20° 50′.00N., 106° 47′.30E.
Amend	designation of buoy to, <i>HP55A</i>	20° 49′.94N., 106° 47′.45E.
Delete	 <i>Fl.R.3s HP60</i>	20° 49′.83N., 106° 47′.56E.

II

5140 CHINA - East Coast - Light-beacon.

Source: Chinese Notice 42/1413/22

Chart 1303 [previous update 5067/22] CGCS2000 DATUM

Insert  Mo(C)Y.12s9m3M 30° 20'·92N., 122° 09'·53E.

Chart 1304 [previous update 4329/22] CGCS2000 DATUM

Insert  Mo(C)Y.12s9m3M 30° 20'·92N., 122° 09'·53E.

Chart 1305 [previous update 4937/22] CGCS2000 DATUM

Insert  Mo(C)Y.12s9m3M 30° 20'·92N., 122° 09'·53E.

5150 VIETNAM - Wrecks. Drying height.

Source: VMS North Notice 111/2022

Chart 1965 [previous update 4396/22] WGS84 DATUM

Insert  24 Wk (a) 20° 39'·83N., 106° 52'·20E.

Delete  (35), close SE of: (a) above

Chart 3875 [previous update New Edition 17/11/2022] WGS84 DATUM

Replace  with  24 Wk 20° 39'·83N., 106° 52'·20E.

Chart 3881 [previous update 4396/22] WGS84 DATUM

Insert  24 Wk (a) 20° 39'·83N., 106° 52'·20E.

Delete  , close SE of: (a) above

5176 VIETNAM - Depths.

Source: VMS North Notice 109/22

Chart 3881 [previous update 5150/22] WGS84 DATUM

Insert depth, 11₇ (a) 20° 48'·24N., 106° 54'·61E.

Delete depth, 12₆, close W of: (a) above

Chart 3882 [previous update 5139/22] WGS84 DATUM

Insert depth, 11₇ (a) 20° 48'·24N., 106° 54'·61E.

Delete depth, 12₆, close W of: (a) above

II

5204 CHINA - Bo Hai - Buoy. Light. Light-beacons.

Source: Chinese Notice 37/1291/22

Chart 1294 [previous update 4731/22] CGCS 2000 DATUM

Insert  2F.R.6M 37° 26'·05N., 120° 01'·24E.

Chart 1295 [previous update 3909/22] CGCS 2000 DATUM

Insert  Mo(C)Y.12s6m4M 37° 26'·25N., 120° 00'·36E.

 F.R.24m6M 37° 26'·24N., 120° 01'·04E.

symbol, light-beacon with triangular topmark, apex downwards, F.R.36m6M 37° 26'·05N., 120° 01'·24E.

Chart 1296 [previous update 3728/21] CGCS 2000 DATUM

Insert  Mo(C)Y.12s6m4M 37° 26'·245N., 120° 00'·357E.

 F.R.24m6M 37° 26'·242N., 120° 01'·035E.

symbol, light-beacon with triangular topmark, apex downwards, F.R.36m6M 37° 26'·048N., 120° 01'·242E.

Move  Fl.G.4s No317, from: 37° 26'·330N., 120° 01'·036E.
to: 37° 26'·285N., 120° 01'·182E.

5193 JAPAN - Honshū - NM Block.

Source: Japanese Notice 48/585/22

Note: Former Notice 1323(T)/22 is cancelled.

Chart JP 1088 [previous update 2765/22] WGS84 DATUM

Insert the accompanying block, centred on: 35° 39' 54"N., 139° 55' 55"E.

5194 JAPAN - Seto Naikai - NM Blocks.

Source: Japanese Notice 48/586/22

Chart JP 123 [previous update 3867/22] WGS84 DATUM

Insert the accompanying block A, centred on: 34° 39' 04"N., 135° 24' 28"E.

the accompanying block B, centred on: 34° 38' 01"N., 135° 23' 19"E.

Chart JP 1103 [previous update 3689/22] WGS84 DATUM


Insert the accompanying block, centred on: 34° 38' 04"N., 135° 23' 24"E.

5195 JAPAN - Honshū - Buoyage.

Source: Japanese Notice 48/589/22

Chart JP 139 [previous update 719/22] WGS84 DATUM

Insert  (Y Lt) (a) 36° 00'·55N., 135° 48'·75E.

Delete  (Y Lt), close SW of: (a) above

II

5196 JAPAN - Seto Naikai - Coastline. Legend.

Source: Japanese Notice 48/593/22

Chart JP 1110 [*previous update 3689/22*] WGS84 DATUM

Insert	coastline, single pecked line, joining:	(a)	34° 31' 17.6"N., 135° 23' 01.7"E.
		(b)	34° 31' 27.0"N., 135° 22' 58.6"E.
			34° 31' 26.8"N., 135° 22' 57.7"E.
	legend, Under construction, along:	(a)-(b)	above

5197 JAPAN - Seto Naikai - Buoyage.

Source: Japanese Notice 48/594/22

Chart JP 131 [*previous update 2551/22*] WGS84 DATUM

Delete	 C	34° 32' 00.0"N., 134° 59' 47.4"E.
	 H	34° 31' 49.8"N., 134° 59' 45.8"E.

5198 JAPAN - Seto Naikai - Landmarks.

Source: Japanese Notice 48/595/22

Chart JP 134B [*previous update 4062/22*] WGS84 DATUM

Delete	 (92)	34° 46' 39.5"N., 134° 35' 59.9"E.
	symbol, tank	34° 47' 16.5"N., 134° 37' 40.7"E.

5199 JAPAN - Seto Naikai - Landmark.

Source: Japanese Notice 48/596/22

Chart JP 1121 [*previous update 3694/22*] WGS84 DATUM

Delete	symbol, crane	34° 19' 35.5"N., 133° 51' 12.2"E.
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5200 JAPAN - Seto Naikai - Landmarks.

Source: Japanese Notice 48/597/22

Chart JP 1127B [*previous update 2766/22*] WGS84 DATUM

Delete	symbol, crane	34° 31' 21.6"N., 133° 40' 10.0"E.
	symbol, container crane	34° 30' 13.8"N., 133° 40' 26.7"E.

II

5201 JAPAN - Seto Naikai - Buoyage.

Source: Japanese Notice 48/598/22

Note: Former Notice 4828(T)/22 is cancelled.

Chart JP 126 [previous update 4303/22] WGS84 DATUM



Insert	 <i>Fl(2) G 6s No 1</i>	33° 59′·96N., 131° 45′·38E.
	 <i>Fl(2) R 6s No 2</i>	33° 59′·89N., 131° 45′·51E.
Delete	Former <i>No 1</i> light-buoy	34° 00′·53N., 131° 45′·76E.
	Former <i>No 2</i> light-buoy	34° 00′·45N., 131° 45′·89E.

Chart JP 1106 [previous update 4301/22] WGS84 DATUM




Delete	 <i>Fl(2) G 6s No 1</i>	34° 00′ 31·7"N., 131° 45′ 45·5"E.
	 <i>Fl(2) R 6s No 2</i>	34° 00′ 26·7"N., 131° 45′ 53·3"E.

Chart JP 1133C [previous update 4303/22] WGS84 DATUM

Insert	 <i>Fl(2) G 6s No 1</i>	33° 59′ 57·5"N., 131° 45′ 22·6"E.
	 <i>Fl(2) R 6s No 2</i>	33° 59′ 53·6"N., 131° 45′ 30·8"E.

5135 KOREA - East Coast - Depths.

Source: Korean Notice 43/933/22

Chart 882 (Panel, Donghae (Tonghae)) [previous update 4623/22] WGS84 DATUM

Insert	depth <i>I</i> ₂	(a) 37° 29′·695N., 129° 08′·440E.
Delete	depth, <i>I</i> ₃ , close NW of:	(a) above
	depth, <i>I</i> ₅ , close NE of:	(a) above

5141 KOREA - West Coast - Light-beacon.

Source: Korean Notice 37/778/22 and KR Lights List 37/22

Chart 1258 [previous update 5034/22] WGS84 DATUM

Amend	range of light-beacon to, 7M	37° 36′·07N., 126° 15′·23E.
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Chart 1270 (INT 5363) [previous update 5102/22] WGS84 DATUM

Amend	light-beacon to, Q(3)10s14m7M Manderiyeo	37° 36′·07N., 126° 15′·23E.
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II

5173 INDONESIA - Banda Sea - Light.

Source: Indonesian Notice 35/403/22

Chart 2473 [*previous update 5005/22*] WGS84 DATUM

Delete	★ Fl.12M	4° 31′.8S., 129° 53′.9E.
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Chart 2992 [*previous update 4645/22*] WGS84 DATUM

Delete	★ Fl.3s12M	4° 31′.8S., 129° 53′.9E.
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Chart 2994 [*previous update 4645/22*] WGS84 DATUM

Delete	★ Fl.3s12M	4° 31′.8S., 129° 53′.9E.
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5177 INDONESIA - Kalimantan - Recommended route.

Source: Indonesian Notice 35/399/22

Chart 1852 (Panel A, Tanjung Mangkapadie to Tawau) [*previous update 4742/22*] WGS84 DATUM

Insert	two-way recommended route, pecked line, joining:	2° 51′.2N., 117° 40′.3E. 2° 51′.4N., 117° 42′.8E. 2° 53′.6N., 117° 50′.5E.
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5184 MALAYSIA - Sarawak - Obstruction.

Source: Marine Department, Sarawak Notice 144/22

Chart 1949 (INT 5777) [*previous update 3899/22*] WGS84 DATUM

Insert	⊙ <i>Obstn</i>	4° 33′.74N., 113° 55′.35E.
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Chart 3838 (INT 5708) [*previous update 3899/22*] WGS84 DATUM

Insert	⊙ <i>Obstn</i>	4° 33′.74N., 113° 55′.35E.
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5163 AUSTRALIA - Queensland - Depths.

Source: Australian Notice 24/969/22

Chart Aus 814 [*previous update New Edition 28/10/2022*] WGS84 DATUM

Insert	15m contour, joining:	(a) 27° 03′.36S., 153° 17′.48E. 27° 03′.45S., 153° 17′.66E. (b) 27° 04′.31S., 153° 17′.83E.
Delete	former 15m contour, joining:	(a) above (b) above
Insert	depth, I_{25}	26° 59′.62S., 153° 13′.93E.
Replace	depth, I_{11} , with depth, I_{10}	26° 55′.80S., 153° 11′.88E.
Delete	depth, I_{10}	27° 03′.28S., 153° 16′.72E.
	depth, I_{34}	27° 03′.73S., 153° 17′.72E.

II

5163 AUSTRALIA - Queensland - Depths. (continued)

Chart Aus 815 [*previous update New Edition 28/10/2022*] WGS84 DATUM

Insert	15m contour, joining:	(a) 27° 03′.35S., 153° 17′.48E. 27° 03′.45S., 153° 17′.66E.
		(b) 27° 04′.31S., 153° 17′.83E.
Delete	former 15m contour, joining:	(a) above (b) above
Insert	depth, 11 ₉	(c) 26° 51′.68S., 153° 09′.10E.
Delete	depth, 11 ₅ , close SW of:	(c) above
Insert	depth, 12 ₅	26° 59′.62S., 153° 13′.93E.
Replace	depth, 16, with depth, 15 ₇	26° 48′.04S., 153° 11′.36E.
	depth, 11 ₁ , with depth, 10 ₈	26° 55′.80S., 153° 11′.88E.
Delete	depth, 10 ₃	27° 03′.28S., 153° 16′.72E.
	depth, 13 ₄	27° 03′.73S., 153° 17′.72E.

5209 UNITED STATES OF AMERICA - West Coast - Depths.

Source: ENC US4WA36M

Chart 4947 [*previous update 4686/22*] NAD83 DATUM

Insert	depth, 8 ₉ , enclosed by 10m contour	48° 11′.60N., 124° 02′.07W.
	depth, 3 ₄	(a) 48° 10′.47N., 123° 57′.59W.
Delete	depth, 4 ₉ , close E of:	(a) above

5154 MEXICO - Pacific Ocean Coast - Lights.

Source: Mexican Notices 16/212-214/22

Note: Racon remains unchanged

Chart 1029 [*previous update 965/22*] WGS84 DATUM

Amend	elevation of light to, 47m	28° 02′.2N., 115° 11′.1W.
	light to, Fl(3)12s20m10M	28° 04′.5N., 115° 21′.0W.
	light to, Fl.20s212m18M	28° 18′.9N., 115° 35′.9W.

5171 CHILE - Northern Coasts - Depth.

Source: Chilean Notice 9/71/22

Chart 4245 [*previous update 960/21*] PSAD56 DATUM

Insert	depth, 13 ₆ , and extend 20m contour E	38° 21′.3S., 74° 00′.7W.
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5189 CHILE - Northern Coasts - Wreck.

Source: Chilean Notice 9/67/22

Chart 4217 [*previous update New Edition 02/06/2022*] SIRGAS DATUM

Insert	 Wk	18° 28′.12S., 70° 19′.33W.
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II

5208 CHILE - Northern Coasts - Virtual aid to navigation.

Source: Chilean Notice 9/73/22

Chart 4271 [*previous update 1029/21*] WGS84 DATUM

Insert symbol, Virtual aid to navigation, V-AIS, out of position 41° 46′·71S., 73° 43′·60W.

Chart 4274 [*previous update 1029/21*] WGS84 DATUM

Insert symbol, Virtual aid to navigation, V-AIS, out of position 41° 46′·71S., 73° 43′·60W.

5148 BRAZIL - East Coast - Rocks.

Source: ENC BR501103

Chart 545 (Panel A, Porto de Aratu) [*previous update 2341/22*] WGS84 DATUM

Insert depth, *10₄*, with seabed type, *R* 12° 46′·98S., 38° 29′·99W.

depth, *13₉*, with seabed type, *R* 12° 46′·82S., 38° 30′·10W.

5172 BRAZIL - South Coast - Legend. Note.

Source: Brazilian Notice 12/S 134/22

Chart 553 [*previous update 3896/22*] WGS84 DATUM

Insert legend, *MARINE RESERVES* (*see Note*), centred on: 23° 02′·84S., 43° 13′·10W.

the accompanying note, *MARINE RESERVES*, centred on: 23° 18′·39S., 42° 48′·22W.

Chart 566 [*previous update 4878/22*] WGS84 DATUM

Insert legend, *MARINE RESERVES* (*see Note*), centred on: 23° 01′·39S., 43° 10′·22W.

the accompanying note, *MARINE RESERVES*, centred on: 22° 56′·18S., 43° 11′·14W.

5131 MEXICO - Gulf of Mexico - Platform.

Source: Mexican Notice 16/189/22

Chart 2751 [*previous update New Edition 29/04/2021*] WGS84 DATUM

Insert  F.R 18° 10′·78N., 94° 21′·33W.

II

5161 CANADA - Maritime limits. Depths. Rocks. Legend.

Source: Canadian Notice 10/4116/22

Chart 4749 [*previous update 479/22*] NAD83 DATUM

Insert	maritime limit, pecked line, joining:	(a) 45° 16'·06N., 66° 04'·24W. 45° 16'·08N., 66° 04'·22W.
		(b) 45° 15'·95N., 66° 04'·03W.
Delete	former maritime limit, pecked line, joining:	(a)-(b) above
Insert	depth, 0 ₆	45° 16'·40N., 66° 07'·99W.
	depth, 1 ₇ , and extend 5m contour E to enclose	45° 16'·68N., 66° 08'·07W.
	✱ (L ₆)	45° 18'·52N., 66° 06'·91W.
Replace	+ and associated legend, <i>Rep</i> (2020), with ✱ (Q ₅)	45° 20'·22N., 66° 02'·93W.
	depth, 4 ₆ , with depth, 2 ₆	45° 16'·91N., 66° 07'·99W.

5162 CANADA - Newfoundland and Labrador - Danger lines. Obstructions. Legends.

Source: Canadian Notices 10/4020/22 and 10/4701/22


Chart 324 [*previous update 4569/22*] UNDETERMINED DATUM

Insert	danger line, dotted line, joining:	(a) 52° 31'·9N., 55° 14'·9W. (b) 52° 28'·7N., 55° 28'·9W. (c) 52° 27'·0N., 55° 37'·5W.
	legend, <i>Obstructions</i> , along:	(a)-(c) above
	danger line, dotted line, joining:	(d) 51° 35'·9N., 55° 07'·2W. (e) 51° 34'·9N., 55° 13'·3W. (f) 51° 33'·2N., 55° 25'·4W.
	legend, <i>Obstructions</i> , along:	(d)-(f) above

5182 CANADA - Newfoundland and Labrador - Buoy.

Source: Canadian Notice 10/4846/22

Chart 4736 [*previous update 1909/22*] NAD83 DATUM

Move	 Fl(5)Y 20s <i>ODAS/SADO</i> , from:	47° 34'·00N., 52° 37'·54W.
	to:	47° 34'·00N., 52° 37'·91W.

5205 CANADA - Gulf of Saint Lawrence - Light.

Source: Canadian Notices 10/4022/22 and 6/4024/22

Chart 4764 [*previous update 4738/22*] NAD83 DATUM

Delete	 F R	47° 33'·4N., 61° 33'·8W.
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Chart 4766 [*previous update 4091/22*] NAD83 DATUM

Delete	 F R	47° 33'·4N., 61° 33'·7W.
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II

5167(T)/22 ENGLAND - East Coast - Buoy.

Source: PD Teesport Limited

1. The North Cardinal light-buoy, *Q*, in position 54° 39'·55N., 1° 06'·04W. is reported missing.
2. Mariners are advised to navigate with caution in the area.
(ETRS89 DATUM)

Charts affected - 134 - 152 (INT 1549) - 2566 (INT 1552) - 2567 - 5615_4

5187(P)/22 ENGLAND - East Coast - Depths. Drying heights.

Source: ABP Humber

1. Recent survey information has shown that numerous depths and drying heights less than charted exist between No.18 Elbow lateral buoy and Humber Bridge. The most significant are as follows:

<i>Depth</i>	<i>Position</i>
0·8m	53° 44'·14N., 0° 17'·51W.
1·6m	53° 44'·20N., 0° 18'·35W.
4·3m	53° 44'·35N., 0° 18'·38W.
0·7m	53° 43'·59N., 0° 18'·74W.
0·5m	53° 43'·55N., 0° 18'·96W.
2m	53° 43'·34N., 0° 19'·46W.
4·8m	53° 43'·84N., 0° 20'·69W.
0·1m	53° 43'·39N., 0° 21'·87W.
0·9m	53° 43'·41N., 0° 22'·25W.
0·3m	53° 42'·96N., 0° 23'·14W.
1·9m	53° 42'·43N., 0° 24'·56W.
0·8m	53° 42'·49N., 0° 24'·82W.

<i>Drying Height</i>	<i>Position</i>
0·4m	53° 43'·47N., 0° 19'·28W.
1m	53° 43'·45N., 0° 19'·50W.
0·1m	53° 43'·81N., 0° 20'·15W.
2·1m	53° 43'·74N., 0° 20'·50W.
0·5m	53° 43'·77N., 0° 20'·64W.
*0·5m	53° 42'·78N., 0° 23'·19W.
*1·3m	53° 42'·81N., 0° 23'·30W.
0·3m	53° 42'·67N., 0° 23'·61W.
1·2m	53° 42'·72N., 0° 23'·95W.
0·1m	53° 42'·66N., 0° 24'·08W.
*1·6m	53° 42'·68N., 0° 25'·04W.
*1·5m	53° 42'·67N., 0° 25'·25W.
*0·1m	53° 42'·32N., 0° 26'·17W.
*1·2m	53° 42'·31N., 0° 26'·51W.

2. Mariners are advised to navigate with caution in the area.
3. These changes will be included in the next New Edition of Chart 5614_19 to be published early 2023.
4. Former Notice 4394(P)/22 is cancelled.
*Indicates new or revised entry
(ETRS89 DATUM)

Chart affected - 5614_19

II

5158(P)/22 FINLAND - West Coast - Fairway.

Source: Finnish Chart 60

1. A new fairway, with a safe clearance depth of 7.8m, has been established bounded by the following positions:

65° 10'·92N., 24° 33'·49E.
65° 11'·45N., 24° 30'·87E.
65° 11'·60N., 24° 30'·29E.
65° 12'·72N., 24° 26'·03E.
65° 13'·85N., 24° 23'·20E.
65° 11'·49N., 24° 32'·06E.
65° 10'·87N., 24° 34'·85E.

2. Mariners are advised to navigate with caution in the area.
3. This and other changes will be included in a New Edition of Chart 3800 to be published early 2023.
(WGS84 DATUM)

Chart affected - 3800 (INT 1152)

5164(P)/22 FINLAND - West Coast - Fairways. Depths. Swept areas. Works.

Source: Finnish Chart 59

1. *Changes to charted detail have taken place within and in the approaches to the ports of Ajos and Veitsiluoto.
2. *A new fairway has been established in the approaches to Ajos, bounded by the following positions:

65° 35'·86N., 24° 28'·62E.
65° 37'·51N., 24° 29'·52E.
65° 39'·23N., 24° 30'·59E.
65° 39'·25N., 24° 30'·34E.
65° 38'·79N., 24° 30'·05E.
65° 38'·12N., 24° 29'·63E.
65° 36'·02N., 24° 28'·15E.
65° 35'·86N., 24° 28'·62E.

3. *Safe clearance depth areas have been established within the new fairway, bounded by the following positions:

<i>Safe Clearance Depth</i>	<i>Position</i>
11.8m	65° 35'·86N., 24° 28'·62E.
	65° 37'·51N., 24° 29'·52E.
	65° 38'·63N., 24° 30'·22E.
	65° 38'·79N., 24° 30'·05E.
	65° 38'·12N., 24° 29'·63E.
	65° 36'·02N., 24° 28'·15E.
	65° 35'·86N., 24° 28'·62E.
	11.3m
65° 39'·23N., 24° 30'·59E.	
65° 39'·25N., 24° 30'·34E.	
65° 38'·79N., 24° 30'·05E.	
65° 38'·63N., 24° 30'·22E.	

4. *New safe clearance depth areas have also been established within the port and immediate approaches.

II

5164(P)/22 FINLAND - West Coast - Fairways. Depths. Swept areas. Works. (continued)

5. *A new fairway has been established in the approaches to Veitsiluoto, bounded by the following positions:

65° 35'·77N., 24° 28'·58E.

65° 34'·75N., 24° 28'·02E.

65° 36'·96N., 24° 33'·01E.

65° 37'·83N., 24° 33'·96E.

65° 38'·35N., 24° 34'·51E.

65° 38'·49N., 24° 34'·75E.

65° 38'·56N., 24° 35'·15E.

65° 38'·53N., 24° 35'·58E.

65° 38'·28N., 24° 37'·15E.

65° 38'·76N., 24° 38'·50E.

65° 40'·53N., 24° 38'·25E.

65° 40'·75N., 24° 37'·60E.

65° 40'·84N., 24° 37'·43E.

65° 40'·90N., 24° 37'·24E.

65° 40'·95N., 24° 37'·28E.

65° 40'·95N., 24° 36'·86E.

65° 40'·61N., 24° 37'·85E.

65° 40'·54N., 24° 38'·00E.

65° 40'·45N., 24° 38'·11E.

65° 40'·36N., 24° 38'·15E.

65° 38'·99N., 24° 38'·35E.

65° 38'·66N., 24° 38'·02E.

65° 38'·48N., 24° 37'·52E.

65° 38'·40N., 24° 37'·10E.

65° 38'·42N., 24° 36'·65E.

65° 38'·69N., 24° 35'·00E.

65° 38'·82N., 24° 35'·13E.

65° 38'·90N., 24° 34'·71E.

65° 38'·69N., 24° 34'·48E.

65° 38'·53N., 24° 34'·51E.

65° 36'·99N., 24° 32'·85E.

65° 35'·77N., 24° 28'·58E.

II

5164(P)/22 FINLAND - West Coast - Fairways. Depths. Swept areas. Works. (continued)

6. *Safe clearance depth areas have been established within the new fairway, bounded by the following positions:

<i>Safe Clearance Depth</i>	<i>Position</i>
8·9m	65° 35'·77N., 24° 28'·58E.
	65° 34'·75N., 24° 28'·02E.
	65° 36'·96N., 24° 33'·01E.
	65° 38'·35N., 24° 34'·51E.
	65° 38'·49N., 24° 34'·75E.
	65° 38'·69N., 24° 35'·00E.
	65° 38'·82N., 24° 35'·13E.
	65° 38'·90N., 24° 34'·71E.
	65° 38'·69N., 24° 34'·48E.
	65° 38'·53N., 24° 34'·51E.
	65° 36'·99N., 24° 32'·85E.
	65° 35'·77N., 24° 28'·58E.
	7·6m
65° 38'·49N., 24° 34'·75E.	
65° 38'·56N., 24° 35'·15E.	
65° 38'·53N., 24° 35'·58E.	
65° 38'·28N., 24° 37'·15E.	
65° 38'·76N., 24° 38'·50E.	
65° 40'·53N., 24° 38'·25E.	
65° 40'·75N., 24° 37'·60E.	
65° 40'·84N., 24° 37'·43E.	
65° 40'·90N., 24° 37'·24E.	
65° 40'·95N., 24° 37'·28E.	
65° 40'·95N., 24° 36'·86E.	
65° 40'·61N., 24° 37'·85E.	
65° 40'·54N., 24° 38'·00E.	
65° 40'·45N., 24° 38'·11E.	
65° 40'·36N., 24° 38'·15E.	
65° 38'·99N., 24° 38'·35E.	
65° 38'·66N., 24° 38'·02E.	
65° 38'·48N., 24° 37'·52E.	
65° 38'·40N., 24° 37'·10E.	
65° 38'·42N., 24° 36'·65E.	
65° 38'·69N., 24° 35'·00E.	

7. *A new fairway, with a safe clearance depth of 8·9m, has been established bounded by the following positions:

65° 38'·47N., 24° 30'·12E.
65° 37'·87N., 24° 29'·75E.
65° 37'·79N., 24° 30'·51E.
65° 37'·59N., 24° 31'·26E.
65° 37'·32N., 24° 32'·76E.
65° 36'·99N., 24° 32'·85E.
65° 37'·84N., 24° 33'·78E.
65° 37'·60N., 24° 32'·93E.
65° 37'·65N., 24° 31'·35E.
65° 37'·83N., 24° 30'·59E.
65° 37'·92N., 24° 30'·36E.
65° 38'·47N., 24° 30'·12E.

8. *Mariners are advised to navigate with caution in the area and consult the local port authorities for the latest information, including for the permitted maximum authorised draught for vessels bound for these ports.

II

5164(P)/22 FINLAND - West Coast - Fairways. Depths. Swept areas. Works. (continued)

9. Works are taking place within an area bounded by the following positions:

- 65° 40'·21N., 24° 30'·67E.
- 65° 40'·07N., 24° 30'·10E.
- 65° 39'·84N., 24° 29'·89E.
- 65° 39'·52N., 24° 29'·85E.
- 65° 39'·19N., 24° 30'·29E.
- 65° 39'·15N., 24° 30'·78E.
- 65° 39'·59N., 24° 31'·96E.

10. These and other changes will be included in a New Edition of Chart 3864 to be published early 2023.

11. Former Notice 1185(P)/22 is cancelled.

- *Indicates new or revised entry
(WGS84 DATUM)

Chart affected - 3864 (INT 1150)

5178(T)/22 FINLAND - South Coast - Works.

Source: Finnish Notice 21/181(T)/22

1. Dredging works are taking place within the channel to Båtvik, in the vicinity of position: 60° 04'·8N., 24° 21'·3E.
2. Mariners are advised to reduce their speed and navigate with caution in the area.
(WGS84 DATUM)

Charts affected - 2211 (INT 12511) - 3819 (INT 1251)

5157(T)/22 TUNISIA - Buoy.

Source: Tunisian Notice 8/160(T)/22 and 15/275/22

1. *Special light-buoy, *Fl(3)Y.10s C5*, in position 36° 51'·50N., 10° 20'·95E. has been extinguished.
2. Mariners are advised to navigate with caution in the area.
3. *Former Notice 2648(T)/22 is cancelled.
*Indicates new or revised entry
(WGS84 DATUM)

Chart affected - 1184

5183(T)/22 MALTA - Restricted area.

Source: ENC MT300194

1. The rig 'Topaz Driller' has been laid up in position 35° 56'·50N., 14° 49'·50E. until further notice.
2. A circular safety zone, entry restricted, radius 500m, has been established around the rig, centred on the above position.
3. Former Notice 985(T)/21 is cancelled.
(WGS84 DATUM)

Charts affected - 194 - 2123 - 2124

II

5156(T)/22 UNITED ARAB EMIRATES - Buoy.

Source: MENAS Nav Warning 342/22

1. The red lateral light-buoy, *No 4, Fl.R.2s*, in position 25° 22'·18N., 53° 10'·99E. is reported missing.
2. Mariners are advised to navigate with caution in the area.
(WGS84 DATUM)

Charts affected - 2443 (INT 7238) - 2444 (INT 7239)

5192(P)/22 UNITED ARAB EMIRATES - Buoyage.

Source: Port of Fujairah Notices 303/21 and 319/22

1.

<i>Update</i>	<i>Feature</i>	<i>Position</i>
Amend	light-buoy to, <i>Fl.Y.4s</i>	25° 10'·82N., 56° 24'·47E.
*Move	symbol, red white, spar buoy, sphere topmark, <i>FW</i> , from: to:	25° 08'·00N., 56° 25'·00E. 25° 07'·70N., 56° 25'·00E.

2. *Former Notice 4429(P)/21 is cancelled.
*Indicates new or revised entry

Chart affected - 8101

5134(T)/22 MALACCA STRAIT - Buoy.

Source: Malaysian Notice 6/97(T)/22

1. The *Terusan* light-buoy, *Fl.R.10s*, in position 2° 51'·51N., 101° 15'·21E. is reported off station.
2. Mariners are advised to navigate with caution in the area.
(WGS84 DATUM)

Chart affected - 2158

5202(T)/22 JAPAN - Honshū - Buoy.

Source: Japanese Notice 48/5608(T)/22

1. The yellow spar buoy, (*Y Lt*), in position 39° 47' 07"N., 140° 02' 05"E. is reported off station until further notice.
(WGS84 DATUM)

Chart affected - JP 148

II

5203(T)/22 JAPAN - Honshū - Depths.

Source: Japanese Notice 48/5609(T)/22

1. Depths of up to 5.5m less than charted exist within an area bounded by the following positions:

34° 48' 38.2"N., 137° 13' 05.5"E.
34° 48' 36.9"N., 137° 13' 04.1"E.
34° 48' 37.2"N., 137° 13' 03.4"E.
34° 48' 37.5"N., 137° 13' 03.6"E.
34° 48' 37.7"N., 137° 13' 04.0"E.

2. Depths of up to 2.3m less than charted exist within an area bounded by the following positions:

34° 48' 38.2"N., 137° 13' 05.5"E.
34° 48' 35.6"N., 137° 13' 06.9"E.
34° 48' 36.9"N., 137° 13' 04.1"E.

3. A depth of 9.2m exists in position 34° 48' 46.4"N., 137° 13' 10.3"E.
(WGS84 DATUM)

Chart affected - JP 1057A

5206(P)/22 MALAYSIA - Sarawak - Depths. Submarine pipelines.

Source: ENC's MY5C7139 and MY4C7146

1. Depths less than charted exist within the approaches to Pending. The most significant are as follows:

Depth	Position
4.8m	1° 42' .27N., 110° 33' .24E.
4.8m	1° 41' .81N., 110° 32' .97E.
4.8m	1° 41' .35N., 110° 32' .69E.
4.8m	1° 40' .84N., 110° 32' .45E.
13.1m	1° 37' .63N., 110° 27' .68E.
10.4m	1° 37' .02N., 110° 27' .24E.
9.7m	1° 36' .93N., 110° 27' .27E.
4.3m	1° 36' .37N., 110° 27' .48E.
3.8m	1° 36' .03N., 110° 27' .55E.
5.2m	1° 35' .07N., 110° 27' .65E.
4.9m	1° 34' .99N., 110° 27' .59E.
4.9m	1° 34' .86N., 110° 27' .45E.
6.7m	1° 34' .91N., 110° 25' .44E.
6.9m	1° 34' .54N., 110° 24' .97E.
1.1m	1° 33' .448N., 110° 23' .815E.
1.0m	1° 33' .375N., 110° 23' .875E.
2.3m	1° 33' .336N., 110° 23' .959E.

2. Water supply submarine pipelines have been established between the following positions:

1° 34' .617N., 110° 25' .614E.
1° 35' .047N., 110° 25' .537E.
and
1° 33' .528N., 110° 23' .807E.
1° 33' .392N., 110° 23' .793E.
and
1° 33' .192N., 110° 23' .774E.
1° 32' .660N., 110° 23' .723E.

II

5206(P)/22 MALAYSIA - Sarawak - Depths. Submarine pipelines. (continued)

3. These changes will be included in a New Edition of Chart 1882 to be published early 2023.
4. Charts 3834 and 3835 will be updated by Notice to Mariners.
(WGS84 DATUM)

Chart affected - 1822

5207(P)/22 PHILIPPINE ISLANDS - Submarine cables. Works.

Source: NAMRIA NAVPHIL 277/22

1. Submarine cable laying works are taking place within an area bounded by the following positions:

9° 44'·38N., 123° 47'·08E.

9° 44'·25N., 123° 47'·15E.

9° 44'·23N., 123° 45'·68E.

9° 53'·27N., 123° 36'·55E.

9° 53'·50N., 123° 36'·47E.

9° 52'·85N., 123° 39'·12E.

2. Mariners are advised to navigate with caution in the area.
3. Charts will be updated when full details are available.
(WGS84 DATUM)

Charts affected - 3484 (INT 554) - 3809 - 4416 - 4473

To accompany Notice to Mariners 5155/2022

On Chart 976

USE LARGER SCALE CHARTS

Within the areas covered by larger scale Swedish charts, this chart is only to be used for planning purposes. This detail is not fully updated by Notices to Mariners; changes to inshore lights, aids, depths and dangers should be expected. Mariners navigating in these areas must use the larger scale Swedish charts indicated.

This chart includes references to larger scale Swedish charts. Only those listed in NP131 ADMIRALTY Maritime Data Solutions Catalogue are available from the UK Hydrographic Office. Details of other charts covering Swedish waters can be found in the Sweden chart catalogue at <https://www.sjofartsverket.se/en/services/hydrographic-information/nautical-charts/>

To accompany Notice to Mariners 5172/22

On Chart 553

MARINE RESERVES

These areas have been declared environmental protection or conservation areas under Brazilian law. Entry into these areas is affected by numerous restrictions and prohibitions. For further details, see ADMIRALTY Sailing Directions.

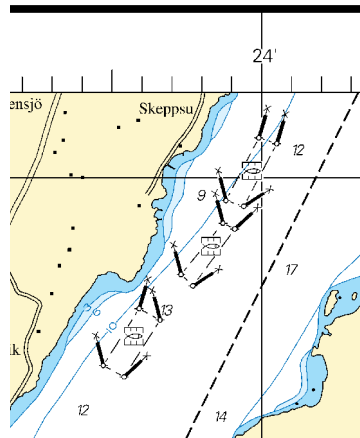
To accompany Notice to Mariners 5172/22

On Chart 566

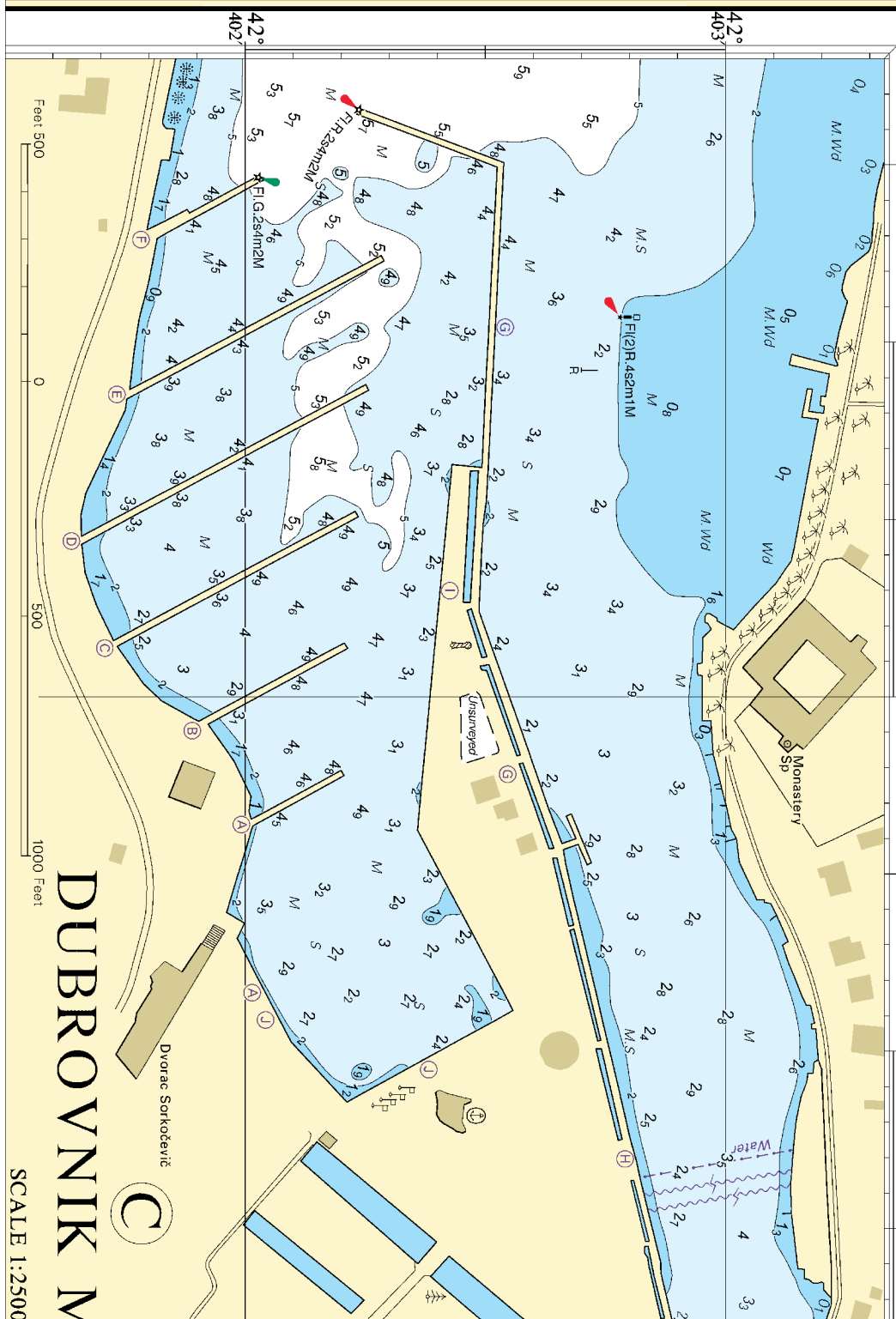
MARINE RESERVES

These areas have been declared environmental protection or conservation areas under Brazilian law. Entry into these areas is affected by numerous restrictions and prohibitions. For further details, see ADMIRALTY Sailing Directions.

To accompany Notice to Mariners 5130/22. Image Size (mm) 58.7 by 46.4

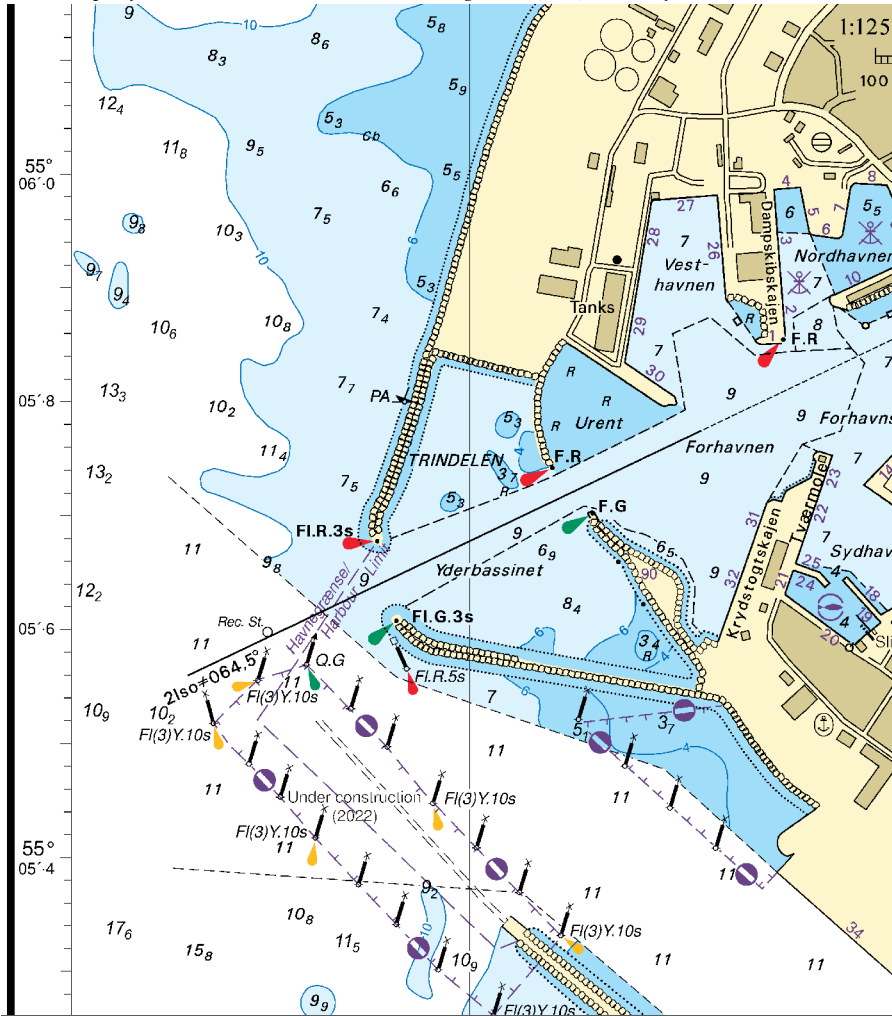


Block for Chart No 853



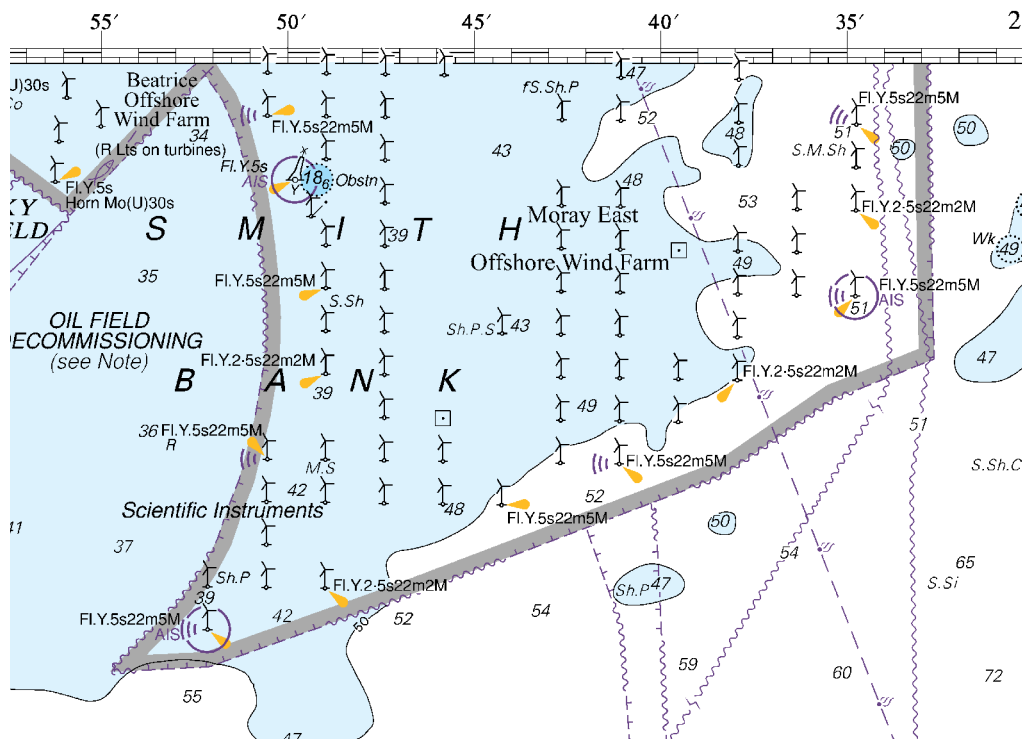
Block for Chart No 680

To accompany Notice to Mariners 5159/22. Image Size (mm) 133.7 by 118



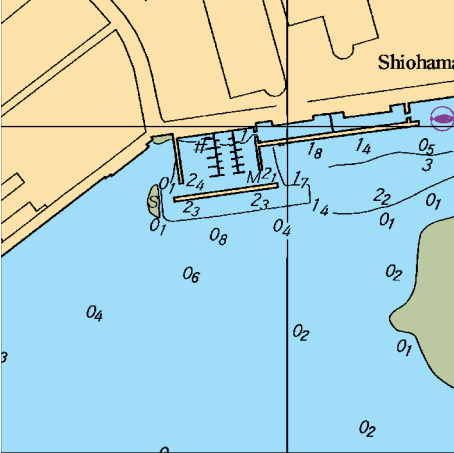
Block for Chart No 958

To accompany Notice to Mariners 5169/22. Image Size (mm) 100.7 by 133.8



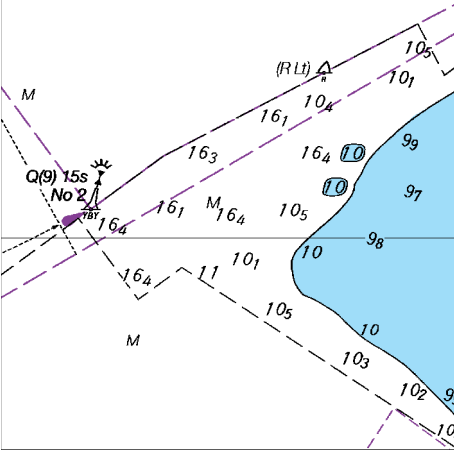
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To accompany Notice to Mariners 5193/22. Image Size (mm) 60 by 60



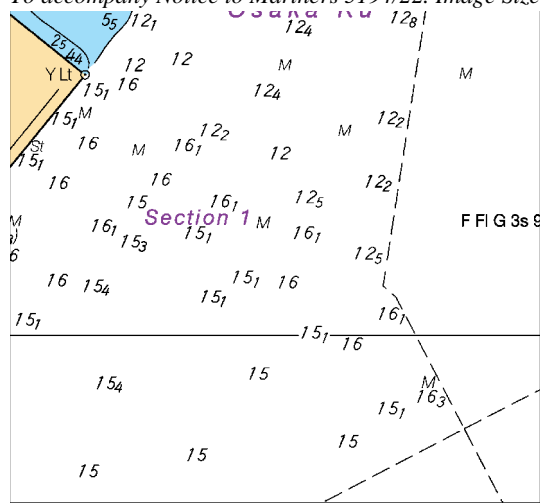
Block for Chart No JP1088

To accompany Notice to Mariners 5194/22. Image Size (mm) 60 by 60

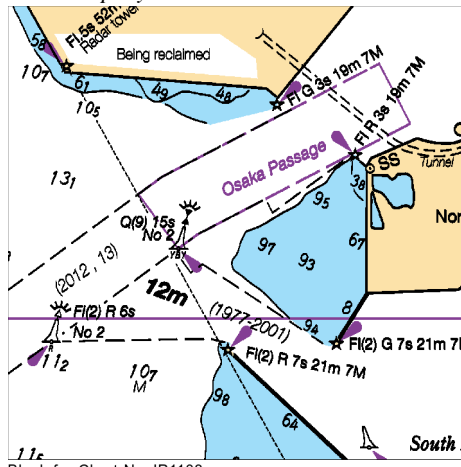


Block B for Chart No JP123

To accompany Notice to Mariners 5194/22. Image Size (mm) 65 by 70

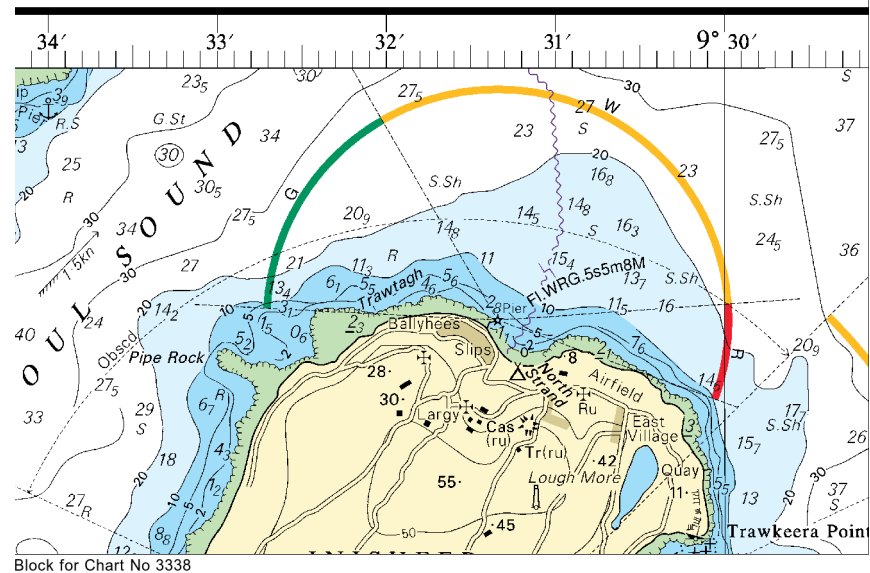


To accompany Notice to Mariners 5194/22. Image Size (mm) 60 by 60



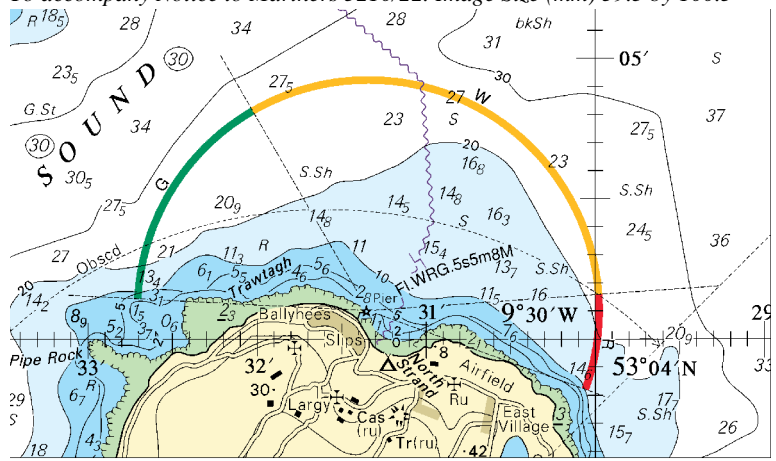
To accompany Notice to Mariners 5210/22. Image Size (mm) 96.7 by 112.8

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Block for Chart No 3338

To accompany Notice to Mariners 5210/22. Image Size (mm) 59.3 by 100.5



Block for Chart No 3339

III

North Sea: 55N to 60N, East of 5W

	55-28.6N	005-06.4E	Maersk Reacher ACP Dan Oil Field
	55-28.6N	005-06.4E	Noble Sam Turner ACP Dan Oil Field
	55-48.2N	004-33.7E	Maersk Interceptor ACP Valdemar Oil Field
	56-19.5N	003-21.2E	Maersk Integrator ACP Valhall Oil Field
	56-23.5N	002-53.5E	Linus
	56-25.4N	003-13.6E	West Elara ACP Eldfisk Oil Field
	56-37.5N	002-12.4E	Noble Sam Hartley
	56-41.8N	002-20.1E	Valaris 121 ACP Judy Oil Field
	56-51.0N	002-15.3E	Valaris 120 ACP Jade Oil Field
	57-00.6N	001-50.1E	Safe Caledonia ACP Elgin Gas Field
	57-05.0N	000-51.1E	Stena Don
	57-09.2N	001-40.4E	Valaris Gorilla VI
	57-22.5N	001-59.9E	Valaris Norway ACP Mungo Oil Field
	57-41.9N	001-24.2E	Valaris 122
	57-45.4N	004-22.2E	Valaris Viking
	57-48.9N	004-32.0E	Maersk Inspirer ACP YME Oil Field
NEW	57-54.2N	000-03.5E	Well Safe Guardian
	58-00.8N	000-55.4W	COSL Innovator
	58-25.3N	000-32.9W	COSL Pioneer
	58-44.9N	002-34.1E	Deepsea Atlantic
	58-55.3N	002-11.8E	Maersk Invincible ACP Ivar Aasen
NEW	59-11.9N	002-24.7E	West Phoenix
	59-13.8N	002-33.3E	Deepsea Aberdeen
	59-20.5N	001-49.6E	Deepsea Nordkapp
	59-27.4N	001-34.5E	Ocean Patriot

Norwegian Sea: 60N to 65N, East of 5W

	60-11.4N	001-42.2E	Paul B Loyd Jr
	60-21.3N	002-54.0E	Askepott
	60-43.7N	003-34.6E	Transocean Endurance
	61-02.4N	002-20.2E	Noble Lloyd Noble ACP Valemon
NEW	Agotnes		Deepsea Yantai

South and West Coasts of the British Isles

Nil.

NOTES:

- A. Rigs are protected by a 500 metre safety zone.
- B. ACP - Adjacent to Charted Platform.
- C. For Rigs located North of 65N, East of 5W, refer to Navarea XIX Warnings or visit www.navarea-xix.no

2. Cancel 224/22.

UPDATES TO ADMIRALTY SAILING DIRECTIONS

NP19 Baltic Pilot Volume 2 (2022 Edition)

Sweden – Gotland – East coast – Ronehamn — Directions; wreck

116

After Paragraph 2.170 2 line 6 *Insert:*

E of a dangerous wreck (57°04'·90N 18°27'·60E),
marked by a buoy (E cardinal), thence:

ENC SE300011 (40.000) [NP19-No 27-Wk 52/22]

NP21 Bay of Bengal Pilot (2019 Edition)

India – East coast – Visākhapatnam — Outer anchorages

87

Paragraph 2.177 1-2 including existing Section IV Notice
Week 20/19 *Replace by:*

1 **General information.** During the NE monsoon
vessels at anchor lie to the current, bow NE,
regardless of the wind and sea.

Anchorages exist as follows:

Naval tanker anchorage (17°44'·20N 83°23'·80E);
depths 25 to 32 m.

Examination Anchorage (17°43'·28N 83°24'·46E);
depths around 38 m.

Lighterage area (17°42'·10N 83°22'·90E); depths 28
to 40 m.

2 Deep Water Naval Anchorage (17°43'·32N
83°21'·45E); depths from 14 to 26 m.

Shallow Water Naval Anchorage (17°42'·71N
83°20'·46E); depths from 13 to 19 m,

Examination Anchorage (17°42'·04N 83°20'·24E);
depths from 14 to 24 m.

3 SPM Tanker Anchorage (17°37'·06N 83°19'·29E);
depths around 45 m.

SPM Tanker Anchorage II (17°36'·5N 83°20'·25E);
depths around 49 m.

SPM Tanker Anchorage III (17°36'·00N 83°21'·30E);
depths around 51 m.

4 Petroleum Anchorage I (17°36'·10N 83°23'·48E);
depths around 54 m.

Petroleum Anchorage II (17°35'·27N 83°25'·08E);
depths around 55 m.

Petroleum Anchorage III (17°35'·00N 83°22'·80E);
depths around 54 m.

Petroleum Anchorage IV (17°34'·25N 83°24'·50E);
depths around 55 m.

5 Gas and Explosives Anchorage (17°35'·08N
83°23'·88E); depths around 54 m.

Anchorage A (17°39'·34N 83°25'·71E); depths
around 51 m.

Anchorage B (17°38'·59N 83°27'·51E); depths
around 54 m.

See 2.158 for further anchorages at Gangavaram.
Other vessels should obtain anchorage, within the
roadstead, clear of the areas described.

Indian Notice 10/100/22 [NP21-No 44-Wk 52/22]

NP32A China Sea Pilot Volume 3 (2022 Edition)

Taiwan – North-west coast – Mailiao to Taichung Kang — Directions; wreck

95

After Paragraph 4.125 1 line 7 *Insert:*

Clear of a dangerous wreck (23°55'·59N
119°59'·15E), thence:

Taiwanese Notice 186/22 [NP32A-No 22-Wk 52/22]

NP42A Japan Pilot Volume 2 (2020 Edition)

Kazan Retto – Ito — Depths

190

After Paragraph 9.13 3 line 4 *Insert:*

Depths

9.13a

1 Depths up to 51 m shoaler than charted have been
reported (2022) around the island. See also 9.15.

Japanese Notice 45/5567(T)/22

[NP42A-No 26-Wk 52/22]

NP54 North Sea (West) Pilot (2021 Edition)

England – North-east coast – Blyth — Limiting conditions; controlling depths

126

Paragraph 5.120 1 line 4 *For 5.157 Read 5.129*

Paragraph 5.120 1 line 5 *For 5.157 Read 5.129*

UKHO

[NP54-No 16-Wk 52/22]

NP64 Red Sea and Gulf of Aden Pilot (2021 Edition)

Jordan – Gulf of Aqaba – Al 'Aqabah — Light

194

After Paragraph 8.73 3 line 6 *Insert:*

Al 'Aqabah South Light (29°26'·79N 34°58'·08E)
(8.99).

Jordan Maritime Commission [NP64-No 7-Wk 52/22]

Jordan – Gulf of Aqaba – Al ‘Aqabah — Light**197***After Paragraph 8.99 3 line 6 Insert:*

Al ‘Aqabah South Light (white metal structure)
(29°26′.79N 34°58′.08E) standing on an
unnamed point.

Paragraph 8.100 2 lines 3–5 *Delete*

Jordan Maritime Commission [NP64-No 8-Wk 52/22]

**Jordan – Gulf of Aqaba – Al ‘Aqabah –
Royal Jordanian Naval Base — Light****199-200**Paragraph 8.108 1 *Replace by:*

- 1 Naval base (29°23′.70N 34°57′.80E) consists of a sea-facing jetty about 210 m in length flanked on each end by three dolphins connected by walkways and an inner basin with finger jetty berths for patrol craft. A short breakwater and detached wave barrier, from which lights are exhibited, protect the NW entrance to the basin which was dredged (2006) to 5 m.
- 2 The sea-facing jetty has depths alongside of 17.2 m and lies parallel to the main breakwater of the basin to which it is connected. The white sector (006°–010°) of the N end wave barrier light (29°23′.86N 34°57′.83E) provides an approach to the sea-facing jetty and leads to the entrance to the inner basin. A ramp lies about 1 cable SSE of the head of the sea-facing jetty; a helipad is situated about 1 cable S of the ramp.

Jordan Maritime Commission [NP64-No 9-Wk 52/22]

UPDATES TO ADMIRALTY SAILING DIRECTIONS

In force 31st December 2022

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	232	United States of America - Gulf of Mexico - Florida - Tampa Bay – Big Bend — Directions; lights	26/21
	232	United States of America - Florida - Tampa Bay – Big Bend — Directions; lights	26/22
NP70	West Indies 1	8th Edition (2021)	13/21
	114	Bahamas - Great Bahama Bank - Ocean Cay — Prohibited anchorage	13/21
	160	Cuba - Punta Maisí to Cabo Lucrecia — Directions; light	45/21
	164	Cuba - Cabo Lucrecia to Punta Maternillos — Directions; light	45/21
	175	Cuba - North coast - La Habana — Limiting conditions	21/21
	176	Cuba - North coast - La Habana — Berths; depths	21/21
	260	Cayman Islands — General information; restricted marine areas and marine parks	04/22
	263	Cayman Islands – Grand Cayman – George Town — Directions; leading lights	04/22
	263	Cayman Islands – Grand Cayman – George Town – Spotts Bay — Anchorages	04/22
NP71	West Indies 2	19th Edition (2022)	27/22
	90	Virgin Islands – Pillsbury Sound – Current Hole — Directions; obstruction	42/22
	143	Puerto Rico – East coast – Bahía de Fajardo — Directions	36/22
	143	Puerto Rico – East coast – Bahía de Fajardo – Punta Bateria — Anchorage, wreck	36/22
	253	Martinique – South-east coast – Îlets de Sainte-Anne — Marine nature reserve	28/22
NP72	Southern Barents Sea and Beye More	4th Edition (2019)	36/19
	86	Russia - Kol'skiy Zaliv - Guba Kulonga — Anchorage	42/21
	88	Russia - Outer approaches to Murmansk - Kil'dinskiy Proliv — Outer anchorages	53/20
	89	Russia - Kol'skiy Zaliv - Mys Mishukov — Obstructions	42/21
	101	Russia - Murmanskij Bereg - Guba Voron'ya — Restricted area	46/19
	101	Russia - Murmanskij Bereg - Guba Yarnyshnaya — Restricted area	46/19
	173	Russia - Pechorskaya Guba — Regulations	40/19
	177	Russia - Pechorskaya Guba — Regulations	40/19
	184	Russia - Pechorskaya Guba — Regulations	40/19

UPDATES TO ADMIRALTY LIST OF LIGHTS AND FOG SIGNALS

NP74, Vol A Edition 2022. Weekly Edition No. 52, Dated 29 December 2022.
Last Updates: Weekly Edition No. 51, dated 22 December 2022.

A0708-805	- East Limit of Naval Base	50 48-54 N 1 05-67 W	Q W	..	..	⚠ on yellow pile, black top	..	*
A3783-4	- Oil Jetty. Head. SW Corner	60 09-51 N 1 08-66 W	Fl W 3s	5	5	Post 2	<i>fl 0-3</i>	*

NP75, Vol B Edition 2022. Weekly Edition No. 52, Dated 29 December 2022.
Last Updates: Weekly Edition No. 49, dated 08 December 2022.

B0460	OOSTERSCHELDE Remove from list; deleted							
B0468	OOSTERSCHELDE Remove from list; deleted							
B0476	OOSTERSCHELDE Remove from list; deleted							
B0480	OOSTERSCHELDE Remove from list; deleted							
B0918-6	- Harlingen	53 11-04 N 5 25-51 E	F W	..	..	..	..	*
B0919-21	ZEEGAT VAN TERSCHELLING. WADDENZEE Remove from list; deleted							
B0919-22	ZEEGAT VAN TERSCHELLING. WADDENZEE Remove from list; deleted							
B1595-3	DIE ELBE. KÖHLBRAND AND SÜDER ELBE Remove from list; deleted							
B2616-5 NO. , 044309	-	59 01-14 N 9 45-41 E	Iso G 4s	..	..	..	Floodlit	*
B2617-05 NO. , 044308	-	59 00-67 N 9 45-52 E	Iso R 2s	..	..	Post	Floodlit	*
B2617-2 NO. , 044304	-	59 00-27 N 9 45-70 E	Iso R 2s	..	..	Post	Floodlit	*

V

NP75, Vol B Edition 2022 *continued.*

B2617-3 NO, , 044303	GEITERØYHOLMEN -	59 00-17 N 9 45-94 E	Iso G 4s	..	..	Post	Floodlit	*
B2617-5 NO, , 044301	-	59 00-02 N 9 46-03 E	Iso G 2s	..	..	Post	Floodlit	*
B2692-9	Remove from list; deleted							
B2693	Remove from list; deleted							
B2693-1	Remove from list; deleted							
B3624-28 NO, , 139258 *	- Bømlø. Hillesøysundet NV *	59 48-68 N 5 05-75 E *	Q R *	4	3	Post 5	Floodlit	*
B3838 NO, , 166500	- Asknes	60 29-34 N 5 13-16 E	Oc WRG 6s	16	W6-3 R4-9 G4-9	Post 3	G121.5°-126.7°(5.2°), W126.7°-145.7°(19°), R145.7°-189.3°(43.6°), G189.3°-212.9°(23.6°), W212.9°-228.6°(15.7°), R228.6°-275.5°(46.9°), G275.5°-323°(47.5°), R323°-331.1°(8.1°)	*

NP76, Vol C Edition 2022. Weekly Edition No. 52, Dated 29 December 2022.
Last Updates: Weekly Edition No. 51, dated 22 December 2022.

C3630-5 EE, , 832	VIIRE KURK - Varbla Puhkeküla. Mole. W End	58 25-76 N 23 40-53 E	Q G 1s *	5	5	..	..	*
C3640-8 EE, , 898	HIIU VÄIN. MUHU - Kõinastu	58 38-77 N 23 01-18 E	Fl W 2s	19	7	White planking, black stripe, on 4 sides of metal framework tower 13	<i>fl 0-5.</i> TE 2022	*

NP77, Vol D Edition 2022. Weekly Edition No. 52, Dated 29 December 2022.
Last Updates: Weekly Edition No. 51, dated 22 December 2022.

D7362-811	AL SADAR - Al Sadar. SD-2 *	24 44-31 N 54 35-99 E	Fl R 3s	Red beacon	TE; reported missing (T) 2022	*
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V

NP77, Vol D Edition 2022 continued.

D7363-457	- Khawr al Maqfa. Sheikh Zayed Bridge. MQ-2	24 25-46 N 54 29-17 E	Fl R 3s	..	5 Red beacon	..	
*	*	*	*	*	*	*	*
D7363-458	- Khawr al Maqfa. Sheikh Zayed Bridge. MQ-3	24 25-43 N 54 29-16 E	Fl G 3s	..	5 Green beacon	..	
*	*	*	*	*	*	*	*
D7363-4585	- Khawr al Maqfa. Sheikh Zayed Bridge. MQ-4	24 25-44 N 54 29-07 E	Fl R 3s	..	5 Red beacon	..	
*	*	*	*	*	*	*	*
D7363-459	- Khawr al Maqfa. Sheikh Zayed Bridge. MQ-1	24 25-47 N 54 29-07 E	Fl G 3s	..	5 Green beacon	..	
*	*	*	*	*	*	*	*

NP78, Vol E Edition 2022. Weekly Edition No. 52, Dated 29 December 2022.

Last Updates: Weekly Edition No. 51, dated 22 December 2022.

E0136-9	Cabo de Palos. Escollo Las Melvas	37 37-74 N 0 41-87 W	VQ(6)+LFl W 10s	5	5 ∇ on black beacon, yellow top 3	Irreg (T) 2022	
ES, II, 23725							*
E1574-05	- Scauri. Inner Mole. Head	41 15-05 N 13 42-06 E	Fl R 5s	5	4 Red post	<i>fl 1.</i> Private	
IT, , 2348-2	*	*	*	*	*	*	*
E1733-4	- Porto di Santa Teresa. N Breakwater	40 40-44 N 14 45-29 E	Fl G 6s	5	2 Green post	<i>fl 1.</i> Private	
IT, , 2657-2	*	*	*	*	*	*	*
E3271-3	- Prokljansko Jezero. Bay of Stubalj. Breakwater. Head	43 47-32 N 15 52-76 E	Fl G 3s	7	1 Green tower and gallery 5	<i>fl 0-5</i>	
HR, , 500-5	*	*	*	*	*	*	*
E3492-5	- Luka Sućuraj. Breakwater. Head	43 07-44 N 17 11-40 E	Fl(3)W 8s	6	4 White tower and gallery 5	<i>(fl 0-5, ec 1) x 2, fl 0-5, ec 4-5</i>	
HR, , 645-5	*	*	*	*	*	*	*

NP79, Vol F Edition 2022. Weekly Edition No. 52, Dated 29 December 2022.

Last Updates: Weekly Edition No. 51, dated 22 December 2022.

F2642-43	- Pamarawan. Fixed Station	14 44-67 N 120 49-23 E	Fl R 3s	..	.. Red Δ on metal post	..	
PH, , 0862	28	*					*

V

NP80, Vol G Edition 2022. Weekly Edition No. 52, Dated 29 December 2022.
 Last Updates: Weekly Edition No. 51, dated 22 December 2022.

G0090 BR, DH2, 800	- Araçagi	2 27-03 S 44 08-90 W	Fl(4)W 10s	90	33	Black and white chequered square masonry tower 40	(fl 0-3, ec 1-8) x 3, fl 0-3, ec 3-4	*
G4682-81 US, VI, 10955	- Martin Island. Bybee Ledge Channel. Lower Ldg Lts 137-6°. Rear. 196m from front	45 57-35 N 122 48-38 W	Iso W 6s	15	..	Red □, black stripe, on framework tower	Vis 9° each side of rangeline	*
G6016-4	NICHOLS PASSAGE Remove from list; replaced by buoy							

NP82, Vol J Edition 2023. NEW EDITION Weekly Edition No. 52, Dated 29 December 2022.
 NOTE: These are the first updates issued for the New Edition.

Cut out the above and paste it in the NEW EDITION First Updates box immediately below the
 RECORD OF UPDATES title on page ii of NP82, Vol J Edition 2023 New Edition.

LONG ISLAND SOUND. NEW LONDON HARBOR								
J0737-6	Remove from list; deleted							
J1057-61 US, I, 36287-5 *	- Breakwater. F	40 29-70 N 74 14-44 W	Fl Y 4s	..	..	..	Private	*
J1057-62 US, , 36287-4 *	- Breakwater. E	40 29-69 N 74 14-49 W	Fl Y 2-5s	..	..	..	Private	*
NEW YORK BAY AND HARBOR. LOWER BAY. RARITAN BAY								
J1057-63 US, I, 36287-3 *	- Breakwater. D	40 29-69 N 74 14-59 W	Fl W 4s	..	..	..	Private	*
NEW YORK BAY AND HARBOR. LOWER BAY. RARITAN BAY								
J1057-64 US, I, 36287-2 *	- Breakwater. C	40 29-67 N 74 14-67 W	Fl W 2-5s	..	..	..	Private	*
J1057-65 US, I, 36287-1 *	- Breakwater. B	40 29-65 N 74 14-74 W	Fl Y 4s	4	..	..	Private	*
J1057-68 US, I, 36287 *	- Breakwater. A	40 29-63 N 74 14-81 W	Fl Y 2-5s	4	..	..	Private	*
DELAWARE BAY								
J1285-7	Remove from list; deleted							
J1285-8 US, II, 2300 *	- Murderkill River. No 1	39 03-81 N 75 22-68 W	Fl G 2-5s	6	4	..	..	*

NP82, Vol J Edition 2023 *continued.*

DELAWARE BAY							
J1286	Remove from list; deleted						
J1286-2	- Murderkill River Range.	39 03-50 N	Fl G 2-5s	8	.. Green □ on	Intens 1.5° each side of rangeline.	
US, II, 2305	Ldg Lts 247-7°. Front. No 7	75 23-77 W			multi-pile structure	Shown 24 hours	
*	*	*	*	*	*	*	*
CHESAPEAKE BAY ENTRANCE. HAMPTON ROADS. ELIZABETH RIVER AND NORFOLK HARBOR							
J1446	Remove from list; deleted						
CHESAPEAKE BAY ENTRANCE. HAMPTON ROADS. ELIZABETH RIVER AND NORFOLK HARBOR							
J1446-1	Remove from list; deleted						
CHESAPEAKE BAY							
J1551	Remove from list; deleted						
CHESAPEAKE BAY. RAPPAHANNOCK RIVER							
J1680-7	Remove from list; deleted						
CHESAPEAKE BAY. RAPPAHANNOCK RIVER							
J1680-75	Remove from list; deleted						
J1746	- Broad Creek. Channel. No	37 56-08 N	Fl R 2-5s	5	3 Red △ on pile	..	
US, II, 22695	12	75 51-42 W					
*	*	*	*	*	*	*	*
J1912-5	- No 14	38 21-38 N	Fl R 2-5s	5	4 Red △ on pile	..	
US, II, 17910		77 13-42 W					
*	*	*	*	*	*	*	*
J1912-8	- No 15	38 21-99 N	Fl G 2-5s	5	4 Green □ on pile	..	
US, II, 17930		77 15-00 W					
*	*	*	*	*	*	*	*
J1917-5	- No 17	38 23-50 N	Fl G 4s	5	4 Green □ on pile	..	
US, II, 17945		77 15-82 W					
*	*	*	*	*	*	*	*
J1920	- No 23	38 29-08 N	Fl G 2-5s	5	4 Green □ on pile	..	
US, II, 18055		77 16-92 W					
*	*	*	*	*	*	*	*
J1961-5	Renumbered; was previously J1962.5						
US, II, 18657							
*	- Alexandria Channel.	38 48-95 N	Fl G 2-5s	5	3 Green □ on pile	..	
	Entrance. No 1FM	77 02-18 W					
		*					
J1962-1	- Mirant Potomac River	38 49-24 N	Fl Y 2-5s	2	.. On pile	Private. Marks Floating Boom	
US, II, 18666	LLC. A	77 02-37 W					
*		*			*	*	
J1962-2	- Mirant Potomac River	38 49-22 N	Fl Y 2-5s	2	.. On pile	Private. Marks Floating Boom	
US, II, 18668	LLC. B	77 02-37 W					
*		*			*	*	
J1962-5	Remove from list; renumbered to J1961.5						
J1963-3	- Georgetown. No 4	38 52-10 N	Fl R 4s	5	4 Red △ on pile	..	
US, II, 18740		77 01-88 W					
*	*	*	*	*	*	*	*

V

NP82, Vol J Edition 2023 *continued.*

J1964-2 US, II, 18725 *	- Anacostia. No 4 *	38 51-53 N 77 00-97 W *	Fl R 4s *	5 *	4 Red Δ on pile *	.. *	
J1965-1 US, II, 18720 *	- Washington Channel Junction. WC *	38 51-42 N 77 01-17 W *	Fl R(2+1) 6s *	5 *	4 Red Δ , green band, on pile *	.. *	
J1965-2 US, II, 18715 *	- Anacostia. No 2A *	38 51-21 N 77 01-19 W *	Fl R 2-5s *	5 *	4 Red Δ on pile *	.. *	
J2796-4 US, III, 4880 ..	- Upper Flats. Ldg Lts 157-1°. Front ----- ..	32 04-59 N 80 59-07 W ..	Q R <i>By day</i> Q R *	6 7 *	.. Red \square , white stripe, on Dolphin	Vis 1-5° each side of rangeline. Shown 24 hours ..	 *
J2796-5 US, III, 4885 US, III, 4885-1 * ..	- Upper Flats. Ldg Lts 157-1°. Rear. 345m from front ----- ----- Passing light ..	32 04-41 N 80 58-98 W ..	Iso R 6s <i>By day</i> Iso R 6s Fl W 2-5s *	14 13 5 *	.. Red \square , white stripe, on framework tower on piles 4 ..	Vis 1-5° each side of rangeline .. Located on SE Corner of Platform *	
J3793 US, IV, 12950	HEAD OF PASSES - Cubits Gap. Ldg Lts 151-2°. Front	29 10-00 N 89 15-22 W	Q G	..	.. Framework tower on piles *	Vis 1-5° each side of rangeline. Shown 24 hours *	
J3793-1 US, IV, 12955	- Cubits Gap. Ldg Lts 151-2°. Rear. 249m from front	29 09-89 N 89 15-15 W	F G	..	.. Framework tower on piles *	Vis 1-5° each side of rangeline. Shown 24 hours *	
J4334 *	GULF OF CAMPECHE. COATZACOALCOS - Cerro del Gavilán. Lucio Gallardo Pavón *	18 10-78 N 94 21-33 W *	F R *	.. *	3 .. *	.. *	
J4827-8 CU, P2101, 13	Punta Tabaco	22 34-75 N 84 15-27 W	Fl W 8s	11	10 Yellow framework tower on piles 8	<i>fl 1.</i> Destroyed (T) 2022 *	
J4833 CU, P2101, 31-58	Arrecifes Los Colorados. No 13	22 51-45 N 83 34-79 W	Fl G 5s	4	4 Green \square on green GRP tower on pile	Destroyed (T) 2022 *	
J4833-1 CU, P2101, 31-6	Arrecifes Los Colorados. No 15	22 51-16 N 83 34-58 W	Fl G 5s	4	4 Green \square on green GRP tower on pile	Destroyed (T) 2022 *	
J4841 CU, P2101, 56-11	Puerto de Cabañas. Entrance. Peninsula Juan Tomas. Ldg Lts 170°. Rear	22 59-02 N 82 58-42 W	Iso Y 1-5s	15	4 Red \diamond , white border, on metal framework tower 13	TE 2022 *	
J4842-5 CU, P2101, 60-00	Puerto de Canañas. Punta Africana. No 6	22 59-21 N 82 58-36 W	Fl R 4s	5	3 Red Δ on red concrete tower on piles	Destroyed (T) 2022 *	

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NP82, Vol J Edition 2023 continued.

J5069-5 CU, P2101, 766-45	- Bajo Bayameses	20 40-60 N 77 49-60 W	Fl G 3s	3	3 Green □ on green GRP tower on pile	..	*
J5078-8 CU, P2101, 788	- Cayo Santa María	21 11-00 N 78 39-20 W	Fl W 5s	12	3 White GRP tower, red bands 10	<i>fl 1.</i> TE 2022	*
GOLFO DE BATABANO. CAYO DEL ROSARIO							
J5125-01 CU, P2101, 1016-01	- Canalizo La Estopa. No 24	21 37-76 N 81 48-61 W	Fl R 2s	3	2 Red △ on red GRP tower on pile	TE 2022	*
J5125-02 CU, P2101, 1016-02	- Canalizo La Estopa. No 23	21 37-70 N 81 48-60 W	Fl G 5s	3	2 Green □ on green GRP tower on pile	TE 2022	*
J5202 CU, P2101, 1174-5	- Puerto La Coloma. La Coloma	22 14-31 N 83 34-31 W	Fl W 15s	30	12 Green tower on metal tank 4	Destroyed (T) 2022	*
J5203 CU, P2101, 1175	- Puerto La Coloma. Bahía La Coloma. Santo Domingo	22 09-62 N 83 36-46 W	LFl W 10s	6	4 Red ○ on red metal tower on pile, white bands	Destroyed (T) 2022	*
J5203-4 CU, P2101, 1176	- Puerto La Coloma. W Side. No 1	22 11-93 N 83 35-63 W	Fl G 3s	4	3 Green □ on green GRP tower on pile	<i>fl 0-5.</i> Destroyed (T) 2022	*
J5204-4 CU, P2101, 1180	- Puerto La Coloma. W Side. No 5	22 13-03 N 83 34-89 W	Fl G 5s	4	3 Green □ on green GRP tower on pile	<i>fl 0-5.</i> Destroyed (T) 2022	*
J5204-8 CU, P2101, 1185	- Puerto La Coloma. E Side. No 10	22 14-13 N 83 34-19 W	Fl R 6s	4	3 Red △ on red GRP tower on pile	<i>fl 0-5.</i> Destroyed (T) 2022	*
J5843 TT, , 3015	- Chupara Point	10 48-71 N 61 21-87 W	Fl(2)W 10s	99	10 White metal framework and hut	..	*
GULF OF PARIÁ. BOCA DE MONOS							
J5850	Remove from list; deleted						
GULF OF PARIÁ. CLAXTON BAY. POINTE À PIERRE							
J5895	- La Carriere	10 19-54 N 61 27-55 W	Fl W 2-5s	71	17 Framework tower	<i>fl 0-2.</i> TE 2022	*
J5912 TT, , 5002	- Punta del Arenal	10 02-91 N 61 55-61 W	Fl W 7-5s	22	16 White metal framework tower	W301°-232°(291°) Bearing 232° is the approximate NE Shoreline Limit	*
SOUTH COAST							
J5913-4 TT, , 5001	- Erin. Taparo Point	10 03-46 N 61 37-61 W	Fl(3)W 15s	69	13 ..	..	*
J5913-5 TT, , 4025	- Moruga	10 05-27 N 61 16-79 W	Fl(4)W 20s	45	14 Grey tower	..	*

V

NP82, Vol J Edition 2023 continued.

J6043-8 CO, C, 396	- Punta Evans Cove	12 31-84 N 81 44-13 W	Fl W 3s *	21	12 Red tower, white bands	<i>fl 0-5</i> *
J6166-74	- Mexichem. Ldg Lts 090°. Rear *	10 19-75 N 75 30-50 W *	Iso Bu 3s	3 *	7-5 Grey tower * * *	..
J6166-75	- Mexichem. Ldg Lts 090°. Front *	10 19-75 N 75 30-59 W *	Iso Bu 3s	3 *	7-5 Grey tower * * *	..
J6861 *	FPSO Liza Unity *	8 00-50 N 56 54-80 W *	Lit *	.. *	.. Storage tanker * * *	.. *

NP84, Vol L Edition 2022. Weekly Edition No. 52, Dated 29 December 2022.
Last Updates: Weekly Edition No. 50, dated 15 December 2022.

L1896 NO, , 546000	- Mefjordholmen	64 57-91 N 10 56-90 E	Iso WRG 6s	4	W3-8 Light R3-2 4 G3-2 * *	G061-4°-073°(11-6°), W073°-075-7°(2-7°), R075-7°-156°(80-3°), G156°-236-5°(80-5°), W236-5°-242-5°(6°), R242-5°-275-9°(33-4°), G275-9°-289-4°(13-5°), W289-4°-293-8°(4-4°), R293-8°-330-5°(36-7°) *
L2330 NO, , 656600	- Purkskjæret	66 08-24 N 11 58-29 E	Fl WRG 5s	8	W4-7 Post R3-2 11 G2-9	<i>fl 0-7.</i> G351-6°-005-2°(13-6°), R005-2°-055-9°(50-7°), G055-9°-080-2°(24-3°), W080-2°-085°(4-8°), R085°-185-1°(100-1°). To be removed (P) 2022 *
L2338 NO, , 657300	- Andersbakkens. NE Side. Åsvaer	66 15-90 N 12 17-80 E	Oc(2)WRG 8s	23	W14 Tower R11 18 G11	G077-5°-091-2°(13-7°), W091-2°-130°(38-8°), R130°-133-9°(3-9°), G133-9°-205-6°(71-7°), W205-6°-208-3°(2-7°), R208-3°-221-2°(12-9°), G221-2°-277-3°(56-1°), W277-3°-281-2°(3-9°), R281-2°-282-5°(1-3°), G282-5°-283-6°(1-1°), W283-6°-285-5°(1-9°), R285-5°-292-8°(7-3°), G292-8°-308-3°(15-5°), R308-3°-329-2°(20-9°) ALRS Vol 2 Station 65860 *
L3546-4	MEFJORDEN Remove from list; deleted	..	Racon	..	.. .. *
L4043	PORSANGERFIJORDEN Remove from list; deleted					

NP84, Vol L Edition 2022 *continued.*

L4043-1 PORSANGERFJORDEN
Remove from list; deleted

NP85, Vol M Edition 2022. Weekly Edition No. 52, Dated 29 December 2022.
Last Updates: Weekly Edition No. 51, dated 22 December 2022.

M4225-4	- Uido. Platform	34 33-06 N	Mo(U)W 10s	18	10	White round pipe	..
KR, 410, 3109-1		125 43-85 E				3	
KR, 410, 4373	---	..	Horn 30s	..	..	..	<i>bl 4</i>
KR, 410, 4127-6	---	..	Racon	..	..	..	ALRS Vol 2 Station 82555
KR, 410, 4601-20	---	..	AIS	..	..	..	MMSI No 994403117
*	*	*	*	*	*	*	*

NP87, Vol P Edition 2022. Weekly Edition No. 52, Dated 29 December 2022.
Last Updates: Weekly Edition No. 51, dated 22 December 2022.

P3794-4611	- Longyuan Dafeng Wind Power. No 1	33 19-37 N 121 18-72 E	Mo(C)Y 12s	11	5	Yellow x on yellow metal pile	..
CN, G102, 2067-171		..	AIS	..	..	1	MMSI No 994141444
*	---	*	*	*	*	*	*
P3794-4612	- Longyuan Dafeng Wind Power. No 2	33 17-44 N 121 18-88 E	Mo(C)Y 12s	11	5	Yellow x on yellow metal pile	..
CN, G102, 2067-172		..	AIS	..	..	1	MMSI No 994141445
*	---	*	*	*	*	*	*
P3794-4613	- Longyuan Dafeng Wind Power. No 3	33 17-46 N 121 17-15 E	Mo(C)Y 12s	11	5	Yellow x on yellow metal pile	..
CN, G102, 2067-173		..	AIS	..	..	1	MMSI No 994141452
*	---	*	*	*	*	*	*
P3794-4614	- Longyuan Dafeng Wind Power. No 19	33 15-93 N 121 17-10 E	Mo(C)Y 12s	11	5	Yellow x on yellow metal pile	..
CN, G102, 2067-189		..	AIS	..	..	1	MMSI No 994141453
*	---	*	*	*	*	*	*
P3794-4615	- Longyuan Dafeng Wind Power. No 20	33 14-64 N 121 17-21 E	Mo(C)Y 12s	11	5	Yellow x on yellow metal pile	..
CN, G102, 2067-19		..	AIS	..	..	1	MMSI No 994141452
*	---	*	*	*	*	*	*
P3794-4616	- Longyuan Dafeng Wind Power. No 21	33 14-67 N 121 15-14 E	Mo(C)Y 12s	11	5	Yellow x on yellow metal pile	..
CN, G102, 2067-191		..	AIS	..	..	1	MMSI No 994141453
*	---	*	*	*	*	*	*
P3794-4617	- Longyuan Dafeng Wind Power. No 22	33 14-69 N 121 13-00 E	Mo(C)Y 12s	11	5	Yellow x on yellow metal pile	..
CN, G102, 2067-192		..	AIS	..	..	1	MMSI No 994141453
*	---	*	*	*	*	*	*

V

NP87, Vol P Edition 2022 *continued.*

P3794-4619 CN, G102, 2067-193	- Longyuan Dafeng Wind Power. No 23	33 15-96 N 121 12-85 E	Mo(C)Y 12s	11	5 Yellow × on yellow metal pile 1	..	
*	*	*	*	*	*	*	*
P3794-462 CN, G102, 2067-194	- Longyuan Dafeng Wind Power. No 24	33 15-95 N 121 15-03 E	Mo(C)Y 12s	11	5 Yellow × on yellow metal pile 1	..	
*	*	*	*	*	*	*	*
P3794-4621 CN, G102, 2067-174	- Longyuan Dafeng Wind Power. No 4	33 17-19 N 121 14-88 E	Mo(C)Y 12s	31	5 Yellow × on yellow metal pile 1	..	
*	---	..	AIS	..	.. ..	MMSI No 994141446	*
P3794-4622 CN, G102, 2067-175	- Longyuan Dafeng Wind Power. No 5	33 17-59 N 121 13-23 E	Mo(C)Y 12s	14	5 Yellow × on yellow metal pile 1	..	
*	---	..	AIS	..	.. ..	MMSI No 994141447	*
P3794-4623 CN, G102, 2067-176	- Longyuan Dafeng Wind Power. No 6	33 17-61 N 121 10-99 E	Mo(C)Y 12s	10	5 Yellow × on yellow metal pile 1	..	
*	*	*	*	*	*	*	*
P3794-4624 CN, G102, 2067-177	- Longyuan Dafeng Wind Power. No 7	33 17-63 N 121 08-75 E	Mo(C)Y 12s	10	5 Yellow × on yellow metal pile 1	..	
*	*	*	*	*	*	*	*
P3794-4625 CN, G102, 2067-178	- Longyuan Dafeng Wind Power. No 8	33 18-32 N 121 06-80 E	Mo(C)Y 12s	10	5 Yellow × on yellow metal pile 1	..	
*	*	*	*	*	*	*	*
P3794-4626 CN, G102, 2067-179	- Longyuan Dafeng Wind Power. No 9	33 18-33 N 121 05-13 E	Mo(C)Y 12s	14	5 Yellow × on yellow metal pile 1	..	
*	*	*	*	*	*	*	*
P3794-4627 CN, G102, 2067-18	- Longyuan Dafeng Wind Power. No 10	33 18-32 N 121 03-25 E	Mo(C)Y 12s	26	5 Yellow × on yellow metal pile 1	..	
*	---	..	AIS	..	.. ..	MMSI No 994141448	*
P3794-4628 CN, G102, 2067-181	- Longyuan Dafeng Wind Power. No 11	33 19-46 N 121 02-85 E	Mo(C)Y 12s	10	5 Yellow × on yellow metal pile 1	..	
*	---	..	AIS	..	.. ..	MMSI No 994141449	*
P3794-4629 CN, G102, 2067-182	- Longyuan Dafeng Wind Power. No 12	33 19-44 N 121 05-06 E	Mo(C)Y 12s	10	5 Yellow × on yellow metal pile 1	..	
*	*	*	*	*	*	*	*
P3794-463 CN, G102, 2067-183	- Longyuan Dafeng Wind Power. No 13	33 19-42 N 121 07-26 E	Mo(C)Y 12s	14	5 Yellow × on yellow metal pile 1	..	
*	*	*	*	*	*	*	*

V

NP87, Vol P Edition 2022 *continued.*

P3794-4631 CN, G102, 2067-184	- Longyuan Dafeng Wind Power. No 14	33 19-50 N 121 09-60 E	Mo(C)Y 12s	14	5 Yellow × on yellow metal pile 1	..	
*	*	*	*	*	*	*	*
P3794-4632 CN, G102, 2067-185	- Longyuan Dafeng Wind Power. No 15	33 19-48 N 121 11-34 E	Mo(C)Y 12s	14	5 Yellow × on yellow metal pile 1	..	
*	*	*	*	*	*	*	*
P3794-4634 CN, G102, 2067-187	- Longyuan Dafeng Wind Power. No 17	33 19-41 N 121 14-92 E	Mo(C)Y 12s	11	5 Yellow × on yellow metal pile 1	..	
*	---	..	AIS	..	.. ..	MMSI No 994141451	*
P3794-4635 CN, G102, 2067-188	- Longyuan Dafeng Wind Power. No 18	33 19-39 N 121 16-65 E	Mo(C)Y 12s	11	5 Yellow × on yellow metal pile 1	..	
*	*	*	*	*	*	*	*
P3794-4764 CN, G102, 2065-901	- Sheyang S H2 Wind Farm. No 1	33 36-55 N 120 56-42 E	Mo(C)Y 12s	11	5 Yellow × on yellow metal post 1	..	
*	---	..	AIS	..	.. ..	MMSI No 994122335	*
P3794-4765 CN, G102, 2065-902	- Sheyang S H2 Wind Farm. No 2	33 36-55 N 120 58-81 E	Mo(C)Y 12s	11	5 Yellow × on yellow metal post 1	..	
*	*	*	*	*	*	*	*
P3794-4766 CN, G102, 2065-903	- Sheyang S H2 Wind Farm. No 3	33 36-55 N 121 01-08 E	Mo(C)Y 12s	11	5 Yellow × on yellow metal post 1	..	
*	*	*	*	*	*	*	*
P3794-4767 CN, G102, 2065-904	- Sheyang S H2 Wind Farm. No 4	33 36-39 N 121 02-53 E	Mo(C)Y 12s	14	5 Yellow × on yellow metal post 1	..	
*	---	..	AIS	..	.. ..	MMSI No 994122336	*
P3794-4768 CN, G102, 2065-605	- Sheyang S H2 Wind Farm. No 5	33 36-56 N 121 03-34 E	Mo(C)Y 12s	11	5 Yellow × on yellow metal post 1	..	
*	*	*	*	*	*	*	*
P3794-4769 CN, G102, 2065-906	- Sheyang S H2 Wind Farm. No 6	33 36-55 N 121 05-86 E	Mo(C)Y 12s	11	5 Yellow × on yellow metal post 1	..	
*	*	*	*	*	*	*	*
P3794-477	- Sheyang S H2 Wind Farm. No 7	33 36-55 N 121 08-45 E	Mo(C)Y 12s	11	5 Yellow × on yellow metal post 1	..	
*	*	*	*	*	*	*	*
P3794-4771	- Sheyang S H2 Wind Farm. No 8	33 36-55 N 121 10-54 E	Mo(C)Y 12s	11	5 Yellow × on yellow metal post 1	..	
*	---	..	AIS	..	.. ..	MMSI No 994122337	*

V

NP87, Vol P Edition 2022 *continued.*

P3794-4772 CN, G102, 2065-909	- Sheyang S H2 Wind Farm. No 9	33 34-93 N 121 10-54 E	Mo(C)Y 12s	14	5 Yellow × on yellow metal post 1	..	
*	---	..	AIS	..	..	..	MMSI No 994122338
	*	*	*	*	*	*	*
P3794-4773 CN, G102, 2065-91	- Sheyang S H2 Wind Farm. No 10	33 34-93 N 121 08-46 E	Mo(C)Y 12s	14	5 Yellow × on yellow metal post 1	..	
*	*	*	*	*	*	*	*
P3794-4774 CN, G102, 2065-911	- Sheyang S H2 Wind Farm. No 11	33 34-93 N 121 06-39 E	Mo(C)Y 12s	14	5 Yellow × on yellow metal post 1	..	
*	*	*	*	*	*	*	*
P3794-4775 CN, G102, 2065-912	- Sheyang S H2 Wind Farm. No 12	33 34-93 N 121 04-31 E	Mo(C)Y 12s	14	5 Yellow × on yellow metal post 1	..	
*	*	*	*	*	*	*	*
P3794-4776 CN, G102, 2065-913	- Sheyang S H2 Wind Farm. No 13	33 34-93 N 121 02-24 E	Mo(C)Y 12s	14	5 Yellow × on yellow metal post 1	..	
*	*	*	*	*	*	*	*
P3794-4777 CN, G102, 2065-914	- Sheyang S H2 Wind Farm. No 14	33 34-93 N 121 00-16 E	Mo(C)Y 12s	14	5 Yellow × on yellow metal post 1	..	
*	*	*	*	*	*	*	*
P3794-4778 CN, G102, 2065-915	- Sheyang S H2 Wind Farm. No 15	33 34-93 N 120 58-08 E	Mo(C)Y 12s	14	5 Yellow × on yellow metal post 1	..	
*	*	*	*	*	*	*	*
P3794-4779 CN, G102, 2065-916	- Sheyang S H2 Wind Farm. No 16	33 34-93 N 120 55-31 E	Mo(C)Y 12s	14	5 Yellow × on yellow metal post 1	..	
*	---	..	AIS	..	..	..	MMSI No 994122339
	*	*	*	*	*	*	*
P3794-478 CN, G102, 2065-917	- Sheyang S H2 Wind Farm. No 17	33 35-55 N 120 54-70 E	Mo(C)Y 12s	11	5 Yellow × on yellow metal post 1	..	
*	---	..	AIS	..	..	..	MMSI No 994122340
	*	*	*	*	*	*	*
P3905-54 CN, G101, 1437-8	LAIZHOU WAN - Laizhou Gang	37 26-25 N 120 00-36 E	Mo(C)Y 12s	6	4 Yellow post 5	..	
*	*	*	*	*	*	*	*
P3905-59 CN, G101, 1437-81	LAIZHOU WAN - Laizhou Gang	37 26-24 N 120 01-04 E	FR	24	6 Red and white △, on a Red and white framework tower 19	Marks channel	
*	*	*	*	*	*	*	*
P3905-595 CN, G101, 1437-82	LAIZHOU WAN - Laizhou Gang	37 26-05 N 120 01-24 E	FR	36	6 Red and white ▽, on a Red and white framework tower 32	Marks channel	
*	*	*	*	*	*	*	*

V

NP88, Vol Q Edition 2022. Weekly Edition No. 52, Dated 29 December 2022.
Last Updates: Weekly Edition No. 51, dated 22 December 2022.

Q1718-535 - Gascoyne River 24 53.96 S Fl R 3s Red □ on red beacon . .
113 38.48 E
* * * * *

VI

ONGOING MAINTENANCE PROCESS IN ADMIRALTY RADIO SIGNALS VOLUMES

In order to guarantee the safety of Mariners at sea, avoid any unsafe and unnecessary duplication/updating of information appearing in different paper and digital ADMIRALTY Radio Signals Volumes, the information will now be centralised into the most relevant ADMIRALTY Radio Signals Volume.

For more information, a reference to the location of any required information will also be added to each ADMIRALTY Radio Signals Volume.

EFFECTIVE FROM 19 DEC 2022 THE NAVAREA I AND METAREA I CO-ORDINATORS WILL HAVE FULL OPERATIONAL CAPABILITY (FOC) FOR BROADCASTING NAVIGATIONAL AND METEOROLOGICAL WARNINGS VIA THE IRIIDIUM SAFETYCAST SERVICE

The Co-Ordinators will promulgate SafetyCast messages as part of a numbered series in accordance with the joint IMO/IHO/WMO maritime safety information manual.

For more information see ALRS Volumes 3 and 5.

Contact information for NAVAREA I is:

Phone: +44 (0)1823 353448

Fax: +44 (0)1823 322352

email: navwarnings@ukho.gov.uk

UPDATES TO ADMIRALTY LIST OF RADIO SIGNALS

Weekly Edition No. 52 dated 29 December 2022

The **ADMIRALTY List of Radio Signals diagrams** included in the paper version of the weekly Notice to Mariners (Section VI) are printed in black and white. If required, a colour version of these diagrams can be downloaded from www.admiralty.co.uk/maritime-safety-information. To obtain the colour versions select **View and download NMs** – select **Weekly** – select **Year** – select **Week** – go to **Selected Week Content** – select **File** (for example: NP286(3)–WK01–14–PAGE149_Week01_2022.pdf)

VI

VOLUME 2, NP282(1), Third Edition, 2022

Published Wk 12/22
(Last Updates: Weekly Edition No. 50 dated 15 December 2022)

AUTOMATIC IDENTIFICATION SYSTEM (AIS)

PAGE 170, SPAIN (South West Coast), below Río Guadalquivir Brazo de la Torre Lt Buoy No 14.

Insert:

Río Guadalquivir Paco Pareja Lt Buoy No 7	36°52'.15N 6°21'.07W	992241209		Real	
Río Guadalquivir Punta de los Cepillos Sur Lt Buoy No 9	36°52'.81N 6°20'.91W	992241210		Real	

(former update 44/22)

Spanish Bulletin 49/22 (RSDRA2022000310873) 52/22

PAGE 214, UNITED KINGDOM, below Muckle Skerry Lt.

Insert:

Muir Mhòr Offshore Wind Farm LiDAR Buoy	57°25'.12N 0°34'.19W	992351400		Real	
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Muir Mhòr Offshore Wind Farm Project Notice 1/22 (RSDRA2022000311156) 52/22

PAGE 220, UNITED KINGDOM, below West Bramble Lt Buoy.

Insert:

West of Orkney N1 Offshore Wind Farm LiDAR Buoy No 2 F250	58°48'.72N 4°20'.64W	992351398		Real	
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West of Orkney Wind Farm correspondence (RSDRA2022000310834) 52/22

VOLUME 2, NP282(2), Third Edition, 2022

Published Wk 12/22
(Last Updates: Weekly Edition No. 51 dated 22 December 2022)

AUTOMATIC IDENTIFICATION SYSTEM (AIS)

PAGE 100, ANTARCTICA, below 22 de Febrero Bn.

Insert:

Active Reef	63°23'.45S 55°52'.41W	997016342		Virtual	21
Andersson Island	63°35'.42S 56°32'.03W	997016345		Virtual	21

Argentine Bulletin 12/22 (RSDRA2022000306089) 52/22

VI

PAGE 100, ANTARCTICA, below Cape Lloyd Lt.

Insert:

Cape Purvis	63°34'58S 56°01'11W	997016341		Virtual	21
Cape Scrymgeour	63°33'21S 56°27'15W	997016338		Virtual	21

[Argentine Bulletin 12/22 \(RSDRA2022000306089\) 52/22](#)

PAGE 100, ANTARCTICA, below Cerro Poisson.

Insert:

Chaucheprat Point	63°31'78S 56°43'19W	997016340		Virtual	21
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[Argentine Bulletin 12/22 \(RSDRA2022000306089\) 52/22](#)

PAGE 100, ANTARCTICA, below Diamonen Island.

Insert:

Diana Reef	63°26'33S 56°12'32W	997016337		Virtual	21
d'Urville Monument	63°25'30S 56°18'89W	997016343		Virtual	21

(former update 38/22)

[Argentine Bulletin 12/22 \(RSDRA2022000306089\) 52/22](#)

PAGE 100, ANTARCTICA, below Islotes Wistrom.

Insert:

Jonassen Rocks	63°32'21S 56°38'71W	997016339		Virtual	21
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[Argentine Bulletin 12/22 \(RSDRA2022000306089\) 52/22](#)

PAGE 100, ANTARCTICA, below Petes Pillar.

Insert:

Petrel Base	63°28'60S 56°13'60W	997011148		Real	21
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(former update 38/22)

[Argentine Bulletin 12/22 \(RSDRA2022000306089\) 52/22](#)

PAGE 102, ANTARCTICA, below Rocas Herdman.

Insert:

Rosamel Island	63°33'72S 56°17'71W	997016344		Virtual	21
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[Argentine Bulletin 12/22 \(RSDRA2022000306089\) 52/22](#)

PAGE 102, ANTARCTICA, below Sheppard Point.

Insert:

Sky Beacon	63°28'39S 56°13'54W	997011149		Virtual	21
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(former update 38/22)

[Argentine Bulletin 12/22 \(RSDRA2022000306089\) 52/22](#)

PAGE 102, ARGENTINA.

Buenos Aires Access Channel, Cholo Lt Buoy.

Delete entry

[Argentine Bulletin 12/22 \(RSDRA2022000306089\) 52/22](#)

VI

PAGE 104, ARGENTINA.
Buenos Aires Access Channel, Rio Santiago Lt Buoy.
 Delete entry

[Argentine Bulletin 12/22 \(RSDRA2022000306089\) 52/22](#)

PAGE 108, ARGENTINA.
Canal Emilio Mitre KM 36.5 Green Lt Buoy.
 Delete entry

[Argentine Bulletin 12/22 \(RSDRA2022000306089\) 52/22](#)

PAGE 108, ARGENTINA.
Canal Emilio Mitre KM 36.5 Red Lt Buoy.
 Delete entry

[Argentine Bulletin 12/22 \(RSDRA2022000306089\) 52/22](#)

PAGE 108, ARGENTINA.
Canal Emilio Mitre KM 38.5 Green Lt Buoy.
 Delete entry

[Argentine Bulletin 12/22 \(RSDRA2022000306089\) 52/22](#)

PAGE 108, ARGENTINA.
Canal Emilio Mitre KM 38.5 Red Lt Buoy.
 Delete entry

[Argentine Bulletin 12/22 \(RSDRA2022000306089\) 52/22](#)

PAGE 108, ARGENTINA, below Canal Emilio Mitre Lt Buoy No Km 38.2.
 Insert:

Canal Emilio Mitre Port Lt Buoy Km 36.5	34°25'33S 58°25'80W	997011124		Real	
Canal Emilio Mitre Port Lt Buoy Km 38.5	34°24'21S 58°26'55W	997011122		Real	
Canal Emilio Mitre Stbd Lt Buoy Km 36.5	34°25'27S 58°25'68W	997011125		Real	
Canal Emilio Mitre Stbd Lt Buoy Km 38.5	34°24'14S 58°26'42W	997011123		Real	

[Argentine Bulletin 12/22 \(RSDRA2022000306089\) 52/22](#)

PAGE 108, ARGENTINA, below Río de la Plata Brown Channel Stbd Lt Buoy Km 35.
 Insert:

Río de la Plata Cholo Lt Buoy	34°35'48S 58°08'96W	997011120		Real	
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(former update 46/22)

[Argentine Bulletin 12/22 \(RSDRA2022000306089\) 52/22](#)

PAGE 110, ARGENTINA, below Río de la Plata Red Lt Bn Km 8.0.
 Insert:

Río de la Plata Río Santiago Lt Buoy	34°34'51S 58°12'64W	997011119		Real	
--------------------------------------	---------------------	-----------	--	------	--

[Argentine Bulletin 12/22 \(RSDRA2022000306089\) 52/22](#)

PAGE 110, AUSTRALIA, below Broome Middle Ground Lt Buoy.
 Insert:

Burnie Wave Buoy	41°03'04S 145°56'29E	995036220		Real	
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[Australian Notice 25/1018/22 \(RSDRA2022000311455\) 52/22](#)

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PAGE 130, CHINA, below Bayuquan Gangqu Lt Buoy A5.

Insert:

Bayuquan Gangqu Lt Buoy No 0	40°12'93N 121°44'78E	994131205	Broadcasts every 3 minutes	Real	
Bayuquan Gangqu Lt Buoy No 2	40°13'51N 121°45'36E	994131206	Broadcasts every 3 minutes	Real	
Bayuquan Gangqu Lt Buoy No 5	40°14'40N 121°47'10E	994131207	Broadcasts every 3 minutes	Real	
Bayuquan Gangqu Lt Buoy No 6	40°14'51N 121°46'98E	994131208	Broadcasts every 3 minutes	Real	
Bayuquan Gangqu Lt Buoy No 9	40°15'40N 121°48'80E	994131209	Broadcasts every 3 minutes	Real	
Bayuquan Gangqu Lt Buoy No 10	40°15'51N 121°48'61E	994131210	Broadcasts every 3 minutes	Real	
Bayuquan Gangqu Lt Buoy No 13	40°16'40N 121°50'40E	994131211	Broadcasts every 3 minutes	Real	
Bayuquan Gangqu Lt Buoy No 14	40°16'52N 121°50'23E	994131212	Broadcasts every 3 minutes	Real	
Bayuquan Gangqu Lt Buoy No 17	40°17'14N 121°51'90E	994131213	Broadcasts every 3 minutes	Real	

[Chinese Notice 48/1579/22 \(RSDRA2022000310859\) 52/22](#)

[Chinese Bulletin 48/22 \(RSDRA2022000310859\) 52/22](#)

PAGE 130, CHINA, below Bayuquan Gangqu Lt Buoy No 18.

Insert:

Bayuquan Gangqu Lt Buoy No 21	40°17'72N 121°53'90E	994131215	Broadcasts every 3 minutes	Real	
Bayuquan Gangqu Lt Buoy No 22	40°17'92N 121°53'82E	994131216	Broadcasts every 3 minutes	Real	
Bayuquan Gangqu Lt Buoy No 25	40°17'97N 121°55'52E	994131217	Broadcasts every 3 minutes	Real	

[Chinese Notice 48/1579/22 \(RSDRA2022000310859\) 52/22](#)

PAGE 130, CHINA, below Bayuquan Gangqu Lt Buoy No 26.

Insert:

Bayuquan Gangqu Lt Buoy No 29	40°17'90N 121°57'31E	994131219	Broadcasts every 3 minutes	Real	
Bayuquan Gangqu Lt Buoy No 30	40°18'13N 121°57'35E	994131220	Broadcasts every 3 minutes	Real	

[Chinese Notice 48/1579/22 \(RSDRA2022000310859\) 52/22](#)

PAGE 130, CHINA, below Bayuquan Gangqu Lt Buoy No 33.

Insert:

Bayuquan Gangqu Lt Buoy No 34	40°17'88N 121°59'87E	994131222	Broadcasts every 3 minutes	Real	
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[Chinese Notice 48/1579/22 \(RSDRA2022000310859\) 52/22](#)

PAGE 130, CHINA, below Bayuquan Gangqu Lt Buoy No 36.

Insert:

Bayuquan Gangqu Lt Buoy No 37	40°17'39N 122°02'35E	994131223	Broadcasts every 3 minutes	Real	
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[Chinese Notice 48/1579/22 \(RSDRA2022000310859\) 52/22](#)

PAGE 144, CHINA.

Datang Nan'ao Lemen I Offshore Windfarm Construction Lt Buoy LM1.

Delete entry

[Chinese Notice 48/1584/22 \(RSDRA2022000310859\) 52/22](#)

PAGE 144, CHINA.

Datang Nan'ao Lemen I Offshore Windfarm Construction Lt Buoy LM3.

Delete entry

[Chinese Notice 48/1584/22 \(RSDRA2022000310859\) 52/22](#)

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PAGE 144, CHINA.

Datang Nan'ao Lemen I Offshore Windfarm Construction Lt Buoy LM5.

Delete entry

[Chinese Notice 48/1584/22 \(RSDRA2022000310859\) 52/22](#)

PAGE 144, CHINA.

Datang Nan'ao Lemen I Offshore Windfarm Construction Lt Buoy LM7.

Delete entry

[Chinese Notice 48/1584/22 \(RSDRA2022000310859\) 52/22](#)

PAGE 144, CHINA.

Datang Nan'ao Lemen I Offshore Windfarm Construction Lt Buoy LM8.

Delete entry

[Chinese Notice 48/1584/22 \(RSDRA2022000310859\) 52/22](#)

PAGE 144, CHINA.

Datang Nan'ao Lemen I Offshore Windfarm Construction Lt Buoy LM12.

Delete entry

[Chinese Notice 48/1584/22 \(RSDRA2022000310859\) 52/22](#)

PAGE 156, CHINA, below Haimen Oil Pier.

Insert:

Hainan Danzhou Wind Measurement Lt Buoy	20°08'.42N 109°03'.75E	994121661	Broadcasts every 3 minutes	Real	
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[Chinese Notice 48/1587/22 \(RSDRA2022000310859\) 52/22](#)

VOLUME 3, NP283(1), Third Edition, 2022
Published Wk 48/22
(Last Updates: Weekly Edition No. 51 dated 22 December 2022)

EGC SERVICES

PAGES 22, 23 and 24, EGC MSI Broadcast Systems Operational Information.

Delete entry and replace by:

EGC MSI Broadcast Systems Operational Information

Please Note:

1. This is the latest information made available to the UKHO by the EGC Coordinating Panel of the IMO. If you have any queries regarding Inmarsat C Ocean Region satellite coverage, please contact the IMO EGC Coordinating Panel Chairman at: info@imo.org ensuring that the subject line includes *'for Chairman IMO EGC Coordinating Panel'*.
2. Inmarsat **Fleet Safety** Ship Earth Stations receive EGC broadcasts on all satellites covering the NAV/MET Areas and as such there is no requirement to choose specific satellites to receive EGC broadcasts.

VI

NAVAREA	NAVIGATIONAL INFORMATION			
	COORDINATOR	EGC Services Broadcast Times (UTC)	INMARSAT C Ocean Region	IRIDIUM Operational Status
I	United Kingdom	0530, 1730	AOR-E, IOR	Operational
II	France	0430 1630	AOR-E	Planned
III	Spain	1200, 2400 & on receipt	IOR	On Trial
IV	United States	1000, 2200 (2200 Ice reports N Atlantic) 0900 2100 French West Indies 0900 2100 French Guyana	AOR-E	Operational
V	Brazil	0030, 1230		Planned
VI	Argentina	0200, 1400		Planned
VII	South Africa	0940 1940 0040, 1240 Réunion 0140, 1340 Kerguelen Islands 0330, 1530 Mayotte	AOR-E, IOR	Operational
VIII	India	1000 2200 0040, 1240 Réunion 0330, 1530 Mayotte	POR, IOR	On Trial
IX	Pakistan	0300, 1500	IOR	Operational
X	Australia	0700, 1900 & on receipt 0140 1340 New Caledonia (Area N)	POR, IOR	On Trial
		Coastal Warnings 0700, 1900 & on receipt (POR only) ⁷		
XI	Japan	0005, 1205 ⁹	POR	On Trial
XII	United States	1030, 2230	AOR-W, POR	Operational
XIII	Russian Federation	0930, 2130	POR	On Trial
XIV	New Zealand	0900, 2100 New Zealand 0140, 1340 New Caledonia 0030, 1230 Wallis & Futuna 0250, 1450 French Polynesia	AOR-W/POR ⁸	Operational
XV	Chile	0210, 1410	AOR-W	Operational
XVI	Peru	0500, 1700	AOR-W	On Trial
XVII	Canada	1130, 2330	AOR-W, POR	Operational
XVIII	Canada	1100, 2300	AOR-W, AOR-E	Operational
XIX	Norway	0630, 1830	IOR	Operational
XX	Russian Federation	0530, 1730	IOR	On Trial
XXI	Russian Federation	0630, 1830	POR	On Trial

METAREA	METEOROLOGICAL INFORMATION			
	COORDINATOR	EGC Services Broadcast Times (UTC)	INMARSAT C Ocean Region	IRIDIUM Operational Status
I	United Kingdom	0930, 2130 On receipt, warnings only	AOR-E	Operational
II	France	1015 2215	AOR-E	Planned
III	Greece ¹	1000, 2200	IOR	Operational

Continued on next page

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METAREA	METEOROLOGICAL INFORMATION			
	COORDINATOR	EGC Services Broadcast Times (UTC)	INMARSAT C Ocean Region	IRIDIUM Operational Status
IV	Canada (Hudson Bay & Approaches)	0300 1500 ⁵	AOR-E	On Trial
	United States	0430, 1030, 1630, 2230		On Trial
V	Brazil	0730, 1930		Planned
		Coastal Warnings for Amazon Basin and additional coastal areas		Planned
VI	Argentina	0230 1730		Planned
VII	South Africa	0940, 1940 ²	AOR-E, IOR	On Trial
VIII(N)	India	0900, 1800 for N of 0°	POR, IOR	Planned
VIII(S)	Mauritius / Réunion	0130, 1330 for S of 0° 0000 ³ , 0600 ³ , 1200 ³ , 1800 ³ for S of 0°		Planned
	Australia	Warnings only for S of 0° and E of 90°E, issued as unscheduled broadcasts		Planned
IX	Pakistan	0700, 1900 ⁶	IOR, POR	On Trial
X	Australia	1100, 2300	IOR/POR	On Trial
		Coastal Warnings (POR) ⁷ – see Figure SN-10N and EGC Annex		On Trial
XI	China	0330, 1015, 1530, 2215	POR	Planned
	Japan	0230, 0830, 1430, 2030 for N of 0° 0815, 2015 ⁴ for S of 0°		Planned
XII	United States	0545, 1145, 1745, 2345	AOR-W, POR	On Trial
XIII	Russian Federation	0930, 2130	POR	Planned
XIV	New Zealand	Warnings for High Seas areas: 0330, 0930, 1530, 2130 Synopses and forecasts for High Seas areas: 0930, 2130 Situation and forecast for NZ coast only: 0130, 1330 ⁸	AOR-W/POR	Operational
XV	Chile	0100, 1330 for Sea Areas 1–8 1450 for Sea Area 9 0345, 1845 for Sea Area 10	AOR-W	Operational
XVI	Peru	1115, 2315	AOR-W	Planned
XVII	Canada	0300, 1500 ⁵	AOR-W, POR	Operational
XVIII	Canada	0300, 1500 ⁵	AOR-W, AOR-E	Operational
XIX	Norway	1100, 2300	IOR	Operational
XX	Russian Federation	0600, 1800	IOR	On Trial
XXI	Russian Federation	0600, 1800	POR	Planned

¹ Scheduled bulletins and warnings for Western Mediterranean Sea are prepared by France.

² Forecasts for areas 30°S - 50°E / 50°S - 80°E and tropical cyclone warnings are prepared by Réunion.

³ Tropical cyclone warnings (if any) issued by Réunion as an unscheduled broadcast.

⁴ Scheduled bulletins and warnings for south of the equator prepared by Australia.

⁵ For areas South of 75°N and only during the shipping season.

⁶ Only if cyclone/depression development.

⁷ AUSCOAST SafetyNET warnings are ONLY broadcast via POR satellite - see Figure SN-10N and EGC Annex.

⁸ For Coastal Area designators and further information, please see diagram FIGURES SN-10/14 and SN-14.

⁹ In force warnings issued during the last 6 weeks are broadcast at 1205 UTC every Saturday.

Broadcast times for MET information published in the table above are for routine Weather Messages. Storm Warnings are also broadcast on receipt. Routine broadcasts of Navigational Warnings and meteorological forecasts are made at scheduled times over a single nominated satellite for each NAVAREA/METAREA. Unscheduled broadcasts of SAR alert relays and severe weather warnings will be made over all satellites which serve the area concerned.

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EGC ANNEX

Table 1:

AUSTRALIA COASTAL WATERS FORECAST BULLETINS						
METAREA	COORDINATOR	Coastal Waters Bulletin Region	Nav Area see Figure SN-10N	INMARSAT C Ocean Region	INMARSAT EGC Services Broadcast Times (Local)	INMARSAT EGC Services Broadcast Times (UTC)
X	Australia	Bass Strait	D	POR	0530 1715 AEST	0715 ¹ 1930 ¹
		Northern Territory	H		0445 1600 ACST	0630 1915
		Torres Strait	Uses EGC rectangular area		0445 1600 AEST	0600 1845
		Western Australia	F and G		0430 1630 AWST	0830 2030
¹ 1 hour earlier during Australian Eastern Daylight Saving Time KEY: LST – Local Standard Time; ACST – Australian Central standard Time; AWST – Australian Western Standard Time See also Figure SN-10N						

(former update 48/22)

NAVAREA I and METAREA I Coordinators (RSDRA2022000304776) 52/22

RADIO WEATHER SERVICES AND NAVIGATIONAL WARNINGS

PAGE 76, BELGIUM.

OOSTENDE (OSU).

Delete entry and replace by:

OOSTENDE (OSU)				
Control Centre: 51°14'·03N 2°55'·75E				
A	2761	RT (MF)	Ruisselede (Wingene)	51°04'·44N 3°20'·08E
	Ch 07	VHF		
B	Ch 24		Antwerpen (Zwijndrecht)	51°12'·52N 4°18'·80E
Diagrams pages 234, 235 and 324				
Weather Bulletins	A ¹ : 0720 LT 0820 1720	Weather forecast for Sea Areas Dover and Thames in English and Dutch.		
Navigational Warnings	A ² : On receipt	Storm warnings when wind speed is expected to reach Beaufort Force 8 or above.		
	A ² : On receipt then after the first H+03 H+33. Repeated at: 0233 0633 1033 1433 1833 2233	Navigational Warnings in English and Dutch.		
	A ² : 0103 0503 0903 1303 1703 2103	Ice reports for Netherlands Area Group GG in English.		
	A ³ : On receipt	Warnings of unexpected storms for coastal fishing in Dutch.		
	B ⁴ : On receipt and once after the first H+48	Navigational Warnings for the Schelde in English and Dutch.		
	B ⁴ : On receipt and twice more at H+48	Storm warnings for the Schelde when wind speed is expected to reach Beaufort Force 6 or above in English and Dutch.		
¹ After prior announcement on 2182 kHz and VHF Ch 16 in English and Dutch. ² After prior announcement on DSC VHF Ch 70 and 2187·5 kHz; 2182 kHz and VHF Ch 16 in English and Dutch. ³ After prior announcement on 2182 kHz and VHF Ch 16. ⁴ After prior announcement on DSC VHF Ch 70 and Ch 16.				
NOTE(S): DSC Channels 2187·5 kHz and VHF Ch 70 are only used for announcing the first broadcast.				

Belgian Notice 24/255/22 (RSDRA2022000299675) 52/22

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VOLUME 3, NP283(2), Third Edition, 2022 Published Wk 50/22 (Last Updates: Weekly Edition No. 50 dated 15 December 2022)

EGC SERVICES

PAGES 23, 24 and 25, EGC MSI Broadcast Systems Operational Information.

Delete entry and replace by:

EGC MSI Broadcast Systems Operational Information

Please Note:

1. This is the latest information made available to the UKHO by the EGC Coordinating Panel of the IMO. If you have any queries regarding Inmarsat C Ocean Region satellite coverage, please contact the IMO EGC Coordinating Panel Chairman at: info@imo.org ensuring that the subject line includes 'for Chairman IMO EGC Coordinating Panel'.

2. Inmarsat **Fleet Safety** Ship Earth Stations receive EGC broadcasts on all satellites covering the NAV/MET Areas and as such there is no requirement to choose specific satellites to receive EGC broadcasts.

NAVAREA	NAVIGATIONAL INFORMATION			
	COORDINATOR	EGC Services Broadcast Times (UTC)	INMARSAT C Ocean Region	IRIDIUM Operational Status
I	United Kingdom	0530, 1730	AOR-E, IOR	Operational
II	France	0430 1630	AOR-E	Planned
III	Spain	1200, 2400 & on receipt	IOR	On Trial
IV	United States	1000, 2200 (2200 Ice reports N Atlantic) 0900 2100 French West Indies 0900 2100 French Guyana	AOR-E	Operational
V	Brazil	0030, 1230		Planned
VI	Argentina	0200, 1400		Planned
VII	South Africa	0940 1940 0040, 1240 Réunion 0140, 1340 Kerguelen Islands 0330, 1530 Mayotte	AOR-E, IOR	Operational
VIII	India	1000 2200 0040, 1240 Réunion 0330, 1530 Mayotte	POR, IOR	On Trial
IX	Pakistan	0300, 1500	IOR	Operational
X	Australia	0700, 1900 & on receipt 0140 1340 New Caledonia (Area N) Coastal Warnings 0700, 1900 & on receipt (POR only) ⁷	POR, IOR	On Trial
XI	Japan	0005, 1205 ⁹		
XII	United States	1030, 2230	AOR-W, POR	Operational
XIII	Russian Federation	0930, 2130	POR	On Trial
XIV	New Zealand	0900, 2100 New Zealand 0140, 1340 New Caledonia 0030, 1230 Wallis & Futuna 0250, 1450 French Polynesia	AOR-W/POR ⁸	Operational
XV	Chile	0210, 1410	AOR-W	Operational
XVI	Peru	0500, 1700	AOR-W	On Trial
XVII	Canada	1130, 2330	AOR-W, POR	Operational
XVIII	Canada	1100, 2300	AOR-W, AOR-E	Operational
XIX	Norway	0630, 1830	IOR	Operational
XX	Russian Federation	0530, 1730	IOR	On Trial
XXI	Russian Federation	0630, 1830	POR	On Trial

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METAREA	METEOROLOGICAL INFORMATION			
	COORDINATOR	EGC Services Broadcast Times (UTC)	INMARSAT C Ocean Region	IRIDIUM Operational Status
I	United Kingdom	0930, 2130 On receipt, warnings only	AOR-E	Operational
II	France	1015 2215	AOR-E	Planned
III	Greece ¹	1000, 2200	IOR	Operational
IV	Canada (Hudson Bay & Approaches)	0300 1500 ⁵	AOR-E	On Trial
	United States	0430, 1030, 1630, 2230		On Trial
V	Brazil	0730, 1930		Planned
		Coastal Warnings for Amazon Basin and additional coastal areas		Planned
VI	Argentina	0230 1730		Planned
VII	South Africa	0940, 1940 ²	AOR-E, IOR	On Trial
VIII(N)	India	0900, 1800 for N of 0°	POR, IOR	Planned
VIII(S)	Mauritius / Réunion	0130, 1330 for S of 0° 0000 ³ , 0600 ³ , 1200 ³ , 1800 ³ for S of 0°		Planned
	Australia	Warnings only for S of 0° and E of 90°E, issued as unscheduled broadcasts		Planned
IX	Pakistan	0700, 1900 ⁶	IOR, POR	On Trial
X	Australia	1100, 2300	IOR/POR	On Trial
		Coastal Warnings (POR) ⁷ – see Figure SN-10N and EGC Annex		On Trial
XI	China	0330, 1015, 1530, 2215	POR	Planned
	Japan	0230, 0830, 1430, 2030 for N of 0° 0815, 2015 ⁴ for S of 0°		Planned
XII	United States	0545, 1145, 1745, 2345	AOR-W, POR	On Trial
XIII	Russian Federation	0930, 2130	POR	Planned
XIV	New Zealand	Warnings for High Seas areas: 0330, 0930, 1530, 2130 Synopses and forecasts for High Seas areas: 0930, 2130 Situation and forecast for NZ coast only: 0130, 1330 ⁸	AOR-W/POR	Operational
XV	Chile	0100, 1330 for Sea Areas 1–8 1450 for Sea Area 9 0345, 1845 for Sea Area 10	AOR-W	Operational
XVI	Peru	1115, 2315	AOR-W	Planned
XVII	Canada	0300, 1500 ⁵	AOR-W, POR	Operational
XVIII	Canada	0300, 1500 ⁵	AOR-W, AOR-E	Operational
XIX	Norway	1100, 2300	IOR	Operational
XX	Russian Federation	0600, 1800	IOR	On Trial
XXI	Russian Federation	0600, 1800	POR	Planned

¹ Scheduled bulletins and warnings for Western Mediterranean Sea are prepared by France.

² Forecasts for areas 30°S - 50°E / 50°S - 80°E and tropical cyclone warnings are prepared by Réunion.

³ Tropical cyclone warnings (if any) issued by Réunion as an unscheduled broadcast.

⁴ Scheduled bulletins and warnings for south of the equator prepared by Australia.

⁵ For areas South of 75°N and only during the shipping season.

⁶ Only if cyclone/depression development.

⁷ AUSCOAST SafetyNET warnings are ONLY broadcast via POR satellite - see Figure SN-10N and EGC Annex.

⁸ For Coastal Area designators and further information, please see diagram FIGURES SN-10/14 and SN-14.

⁹ In force warnings issued during the last 6 weeks are broadcast at 1205 UTC every Saturday.

Broadcast times for MET information published in the table above are for routine Weather Messages. Storm Warnings are also broadcast on receipt. Routine broadcasts of Navigational Warnings and meteorological forecasts are made at scheduled times over a single nominated satellite for each NAVAREA/METAREA. Unscheduled broadcasts of SAR alert relays and severe weather warnings will be made over all satellites which serve the area concerned.

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EGC ANNEX

Table 1:

AUSTRALIA COASTAL WATERS FORECAST BULLETINS						
METAREA	COORDINATOR	Coastal Waters Bulletin Region	Nav Area see Figure SN-10N	INMARSAT C Ocean Region	INMARSAT EGC Services Broadcast Times (Local)	INMARSAT EGC Services Broadcast Times (UTC)
X	Australia	Bass Strait	D	POR	0530 1715 AEST	0715 ¹ 1930 ¹
		Northern Territory	H		0445 1600 ACST	0630 1915
		Torres Strait	Uses EGC rectangular area		0445 1600 AEST	0600 1845
		Western Australia	F and G		0430 1630 AWST	0830 2030
¹ 1 hour earlier during Australian Eastern Daylight Saving Time KEY: LST – Local Standard Time; ACST – Australian Central standard Time; AWST – Australian Western Standard Time See also Figure SN-10N						

(former update 50/22)

NAVAREA I and METAREA I Coordinators (RSDRA2022000304776) 52/22

VOLUME 5, NP285, Third Edition, 2022

Published Wk 32/22

(Last Updates: Weekly Edition No. 48 dated 01 December 2022)

EGC SERVICES

PAGES 217, 218 and 219, EGC MSI Broadcast Systems Operational Information.

Delete entry and replace by:

EGC MSI Broadcast Systems Operational Information

Please Note:

1. This is the latest information made available to the UKHO by the EGC Coordinating Panel of the IMO. If you have any queries regarding Inmarsat C Ocean Region satellite coverage, please contact the IMO EGC Coordinating Panel Chairman at: info@imo.org ensuring that the subject line includes 'for Chairman IMO EGC Coordinating Panel'.

2. Inmarsat **Fleet Safety** Ship Earth Stations receive EGC broadcasts on all satellites covering the NAV/MET Areas and as such there is no requirement to choose specific satellites to receive EGC broadcasts.

NAVAREA	NAVIGATIONAL INFORMATION			
	COORDINATOR	EGC Services Broadcast Times (UTC)	INMARSAT C Ocean Region	IRIDIUM Operational Status
I	United Kingdom	0530, 1730	AOR-E, IOR	Operational
II	France	0430 1630	AOR-E	Planned
III	Spain	1200, 2400 & on receipt	IOR	On Trial
IV	United States	1000, 2200 (2200 Ice reports N Atlantic) 0900 2100 French West Indies 0900 2100 French Guyana	AOR-E	Operational
V	Brazil	0030, 1230		Planned
VI	Argentina	0200, 1400		Planned
VII	South Africa	0940 1940 0040, 1240 Réunion 0140, 1340 Kerguelen Islands 0330, 1530 Mayotte	AOR-E, IOR	Operational
VIII	India	1000 2200 0040, 1240 Réunion 0330, 1530 Mayotte	POR, IOR	On Trial
IX	Pakistan	0300, 1500	IOR	Operational

Continued overleaf

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NAVAREA	NAVIGATIONAL INFORMATION			
	COORDINATOR	EGC Services Broadcast Times (UTC)	INMARSAT C Ocean Region	IRIDIUM Operational Status
X	Australia	0700, 1900 & on receipt 0140 1340 New Caledonia (Area N)	POR, IOR	On Trial
		Coastal Warnings 0700, 1900 & on receipt (POR only) ⁷		
XI	Japan	0005, 1205 ⁹	POR	On Trial
XII	United States	1030, 2230	AOR-W, POR	Operational
XIII	Russian Federation	0930, 2130	POR	On Trial
XIV	New Zealand	0900, 2100 New Zealand 0140, 1340 New Caledonia 0030, 1230 Wallis & Futuna 0250, 1450 French Polynesia	AOR-W/POR ⁸	Operational
XV	Chile	0210, 1410	AOR-W	Operational
XVI	Peru	0500, 1700	AOR-W	On Trial
XVII	Canada	1130, 2330	AOR-W, POR	Operational
XVIII	Canada	1100, 2300	AOR-W, AOR-E	Operational
XIX	Norway	0630, 1830	IOR	Operational
XX	Russian Federation	0530, 1730	IOR	On Trial
XXI	Russian Federation	0630, 1830	POR	On Trial

METAREA	METEOROLOGICAL INFORMATION			
	COORDINATOR	EGC Services Broadcast Times (UTC)	INMARSAT C Ocean Region	IRIDIUM Operational Status
I	United Kingdom	0930, 2130 On receipt, warnings only	AOR-E	Operational
II	France	1015 2215	AOR-E	Planned
III	Greece ¹	1000, 2200	IOR	Operational
IV	Canada (Hudson Bay & Approaches)	0300 1500 ⁵	AOR-E	On Trial
	United States	0430, 1030, 1630, 2230		On Trial
V	Brazil	0730, 1930		Planned
		Coastal Warnings for Amazon Basin and additional coastal areas		Planned
VI	Argentina	0230 1730		Planned
VII	South Africa	0940, 1940 ²	AOR-E, IOR	On Trial
VIII(N)	India	0900, 1800 for N of 0°		Planned
VIII(S)	Mauritius / Réunion	0130, 1330 for S of 0° 0000 ³ , 0600 ³ , 1200 ³ , 1800 ³ for S of 0°	POR, IOR	Planned
	Australia	Warnings only for S of 0° and E of 90°E, issued as unscheduled broadcasts		Planned
IX	Pakistan	0700, 1900 ⁶	IOR, POR	On Trial
X	Australia	1100, 2300	IOR/POR	On Trial
		Coastal Warnings (POR) ⁷ – see Figure SN-10N and EGC Annex		On Trial

Continued on next page

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METAREA	METEOROLOGICAL INFORMATION			
	COORDINATOR	EGC Services Broadcast Times (UTC)	INMARSAT C Ocean Region	IRIDIUM Operational Status
XI	China	0330, 1015, 1530, 2215	POR	Planned
	Japan	0230, 0830, 1430, 2030 for N of 0° 0815, 2015 ⁴ for S of 0°		Planned
XII	United States	0545, 1145, 1745, 2345	AOR-W, POR	On Trial
XIII	Russian Federation	0930, 2130	POR	Planned
XIV	New Zealand	Warnings for High Seas areas: 0330, 0930, 1530, 2130 Synopses and forecasts for High Seas areas: 0930, 2130 Situation and forecast for NZ coast only: 0130, 1330 ⁸	AOR-W/POR	Operational
XV	Chile	0100, 1330 for Sea Areas 1–8 1450 for Sea Area 9 0345, 1845 for Sea Area 10	AOR-W	Operational
XVI	Peru	1115, 2315	AOR-W	Planned
XVII	Canada	0300, 1500 ⁵	AOR-W, POR	Operational
XVIII	Canada	0300, 1500 ⁵	AOR-W, AOR-E	Operational
XIX	Norway	1100, 2300	IOR	Operational
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¹ Scheduled bulletins and warnings for Western Mediterranean Sea are prepared by France.

² Forecasts for areas 30°S - 50°E / 50°S - 80°E and tropical cyclone warnings are prepared by Réunion.

³ Tropical cyclone warnings (if any) issued by Réunion as an unscheduled broadcast.

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⁶ Only if cyclone/depression development.

⁷ AUSCOAST SafetyNET warnings are ONLY broadcast via POR satellite - see Figure SN-10N and EGC Annex.

⁸ For Coastal Area designators and further information, please see diagram FIGURES SN-10/14 and SN-14.

⁹ In force warnings issued during the last 6 weeks are broadcast at 1205 UTC every Saturday.

Broadcast times for MET information published in the table above are for routine Weather Messages. Storm Warnings are also broadcast on receipt. Routine broadcasts of Navigational Warnings and meteorological forecasts are made at scheduled times over a single nominated satellite for each NAVAREA/METAREA. Unscheduled broadcasts of SAR alert relays and severe weather warnings will be made over all satellites which serve the area concerned.

EGC ANNEX

Table 1:

AUSTRALIA COASTAL WATERS FORECAST BULLETINS						
METAREA	COORDINATOR	Coastal Waters Bulletin Region	Nav Area see Figure SN-10N	INMARSAT C Ocean Region	INMARSAT EGC Services Broadcast Times (Local)	INMARSAT EGC Services Broadcast Times (UTC)
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		Northern Territory	H		0445 1600 ACST	0630 1915
		Torres Strait	Uses EGC rectangular area		0445 1600 AEST	0600 1845
		Western Australia	F and G		0430 1630 AWST	0830 2030
¹ 1 hour earlier during Australian Eastern Daylight Saving Time KEY: LST – Local Standard Time; ACST – Australian Central standard Time; AWST – Australian Western Standard Time See also Figure SN-10N						

(former update 48/22)

NAVAREA I and METAREA I Coordinators (RSDRA2022000304776) 52/22

WK52/22

VOLUME 6, NP286(1), Third Edition, 2022

Published Wk 20/22

*(Last Updates: Weekly Edition No. 51 dated 22 December 2022)***PAGE 468, UNITED KINGDOM (Northern Ireland), WARRENPOINT, Carlingford Lough, Pilots, PROCEDURE section.**

Delete and replace by:

PROCEDURE:

- (1) **Pilotage is compulsory** in Carlingford Lough except for the following:
 - (a) All vessels of less than 20m LOA
 - (b) All fishing vessels and sailing yachts with a registered LOA of less than 47.5m
 - (c) All vessels under the control of a competent person in possession of a current PEC
 - (d) All vessels engaged in maintenance or inspection of navigational aids
 - (e) All vessels engaged in dredging operations
 - (f) All naval vessels of the United Kingdom or Ireland
- (2) **Pilot ordering:** Vessels should send request for Pilots 24h in advance.
- (3) Vessels bound for Warrenpoint Harbour should report on VHF Ch 12 as follows:
 - (a) When passing Hellyhunter Lt buoy (54°00'35N 6°02'05W), or when Pilot on board, stating:
 - (i) ETA at the berth
 - (ii) Any deficiencies affecting pilotage or berthing operations
 - (b) When passing No 23 Lt buoy (54°03'87N 6°11'12W)
 - (c) When all secure
- (4) Vessels departing Warrenpoint Harbour should report on VHF Ch 12 as follows:
 - (a) 30 mins prior to departure
 - (b) When passing No 23 Lt buoy
 - (c) When passing Hellyhunter Lt buoy or when Pilot disembarked
- (5) Vessels with a draught over 5m should contact the Pilot for up to date under keel clearance information.
- (6) Pilots maintain a listening watch on VHF Ch 12.
- (7) **Pilot boards** in position 54°00'27N 6°02'18W (in the vicinity of Hellyhunter Lt buoy).

Warrenpoint Harbour Authority correspondence, (RSDRA2022000306023), 52/22

VOLUME 6, NP286(2), Third Edition, 2022

Published Wk 24/22

*(Last Updates: Weekly Edition No. 50 dated 15 December 2022)***PAGES 6 & 10 to 11, DENMARK, GENERAL NOTES, PILOTAGE section.**

Delete and replace by:

PILOTAGE:**NOTE:**

Pilot ordering should take place through DanPilot - Danish State Pilotage or another private pilotage service provider and not through the Danish Pilotage Authority. For further details see PROCEDURE, section (5).

CONTACT DETAILS:

Danish Maritime Authority
 Telephone: +45 72 196000
 E-mail: sfs@dma.dk
 Website: www.lodstilsyn.dk
 www.dma.dk

DanPilot - Danish State Pilotage

Call: DanPilot (name of Pilot Station)
 VHF Channel: Ch 16; 87
 Telephone: +45 63 256666
 E-mail: danpilot@danpilot.dk
 Website: www.danpilot.dk

Danish Pilot Service A/S

VHF Channel: Ch 16; 12
 Telephone: +45 75 914496
 Fax: +45 75 914493
 E-mail: info@danishpilotservice.dk
 Website: www.danishpilotservice.dk

Pilot Tango

Call: Pilot Tango
 VHF Channel: Ch 16; 12
 Telephone: +45 75 770770
 E-mail: info@pilottango.dk
 Website: www.pilottango.dk

HOURS: H24**PROCEDURE:**

- (1) **Pilotage is compulsory** for the following vessels entering Danish internal and external waters and destined for a Danish port, reloading to or from another vessel in Danish territorial waters (ship-to-ship transfer), or requiring to anchor in Danish territorial waters:
 - (a) Vessels carrying oil or having uncleaned cargo tanks that have not been inerted
 - (b) Vessels carrying chemicals
 - (c) Vessels carrying gases
 - (d) Vessels with more than 5000 mt of bunker oil onboard
 - (e) Vessels carrying highly radioactive material
 - (f) Towed vessels being towed in dredged channels or marked navigational channels when entering, leaving or within a harbour.
 - (i) Where the length of towed object is over 50m LOA
 - (ii) Where width of towed object is over 20m BOA
 The Danish Maritime Authority may, upon application, dispense with (i) and (ii) above.
- (2) **Pilotage is not compulsory** for the following:
 - (a) Danish vessels flying a foreign flag which are entitled to navigate without a Pilot
 - (b) Vessels designed exclusively to carry liquid carbon dioxide in bulk
 - (c) Offshore support vessels carrying the following products in bulk:
 - (i) Acetic acid
 - (ii) Hydrochloric acid
 - (iii) Hydrofluoric acid
 - (iv) Liquid carbon dioxide
 - (v) Liquid nitrogen
 - (d) Towed objects being towed from quay to quay within a port area if:
 - (i) The towed object cannot be propelled by its own engines
 - (ii) The length of the towed object is less than 100m LOA
 - (iii) The width of the towed object is less than 30m BOA
 - (iv) The tugboat Master is able to assess the conditions at the quay to which the object is being towed
 - (v) The tugboat operator is able to assess that towing can be carried out safely taking into account navigation, weather, visibility, current and traffic conditions
- (3) **Pilotage exemptions:** Exemptions from compulsory pilotage may be obtained dependent on the number of times a Master has visited a coastal port or area and the size and type of vessel concerned. Full details may be obtained from the Danish Pilotage Authority.
- (4) Further information on pilotage for certain Danish ports may be found in the relevant port entries.

*continued on next column**continued on next page*

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(5) **Pilot ordering:** Ordering of transit pilotage (DanPilot - Danish State Pilotage only) or Deep Sea/Harbour Pilots can be carried out directly with the DanPilot - Danish State Pilotage or with a private pilotage service provider. DanPilot - Danish State Pilotage, handles the public pilotage through Danish territorial waters from any destination in Denmark to all ports in the Baltic Sea. As the unique full service provider in Denmark DanPilot - Danish State Pilotage offers pilotage to all Danish ports as well, DanPilot - Danish State Pilotage is obliged to deliver pilotage in Denmark and handles all transit pilotage and STS pilotage operations in Danish waters. The ordering offices who will accept Pilot bookings are as follows:

(a) **DanPilot - Danish State Pilotage:** Provides pilotage for:

- (i) AABENRAA
- (ii) AARHUS (Transit)
- (iii) ALLINGE, Bornholm (Transit)
- (iv) ASNÆSVÆRKET, Sjælland
- (v) ASSENS, Fyn
- (vi) ÆRØSKØBING, Ærø
- (vii) BANDHOLM, Lolland
- (viii) DRAGØR, Sjælland
- (ix) DROGDEN (Transit)
- (x) ENSTEDSVÆRKET
- (xi) ESBJERG
- (xii) FAABORG, Fyn
- (xiii) FREDERICIA
- (xiv) FREDERIKSHAVN (inc. STS-operation)
- (xv) FREDRIKSUND
- (xvi) FREDRIKSVÆRK (STALVALSÆRKS HAVN)
- (xvii) GEDSER (Port/Transit)
- (xviii) GRENAA (Port/Transit)
- (xix) GULF HAVEN, Sjælland
- (xx) HADSUND, Mariager Fjord
- (xxi) HELSINGØR (ELSINØRE, Sjælland) (Port/Transit)
- (xxii) HOBRO, Mariager Fjord
- (xxiii) HORSENS
- (xxiv) HUNDESTED, Sjælland
- (xxv) KALUNDBORG, Sjælland (inc. STS-operation)
- (xxvi) KØBENHAVN, Sjælland
- (xxvii) KØGE, Sjælland
- (xxviii) KOLDING
- (xxix) KONGSDAL, Mariager Fjord
- (xxx) KØRSØR, Sjælland (Port/Transit)
- (xxxi) LILLEBÆLT (Transit)
- (xxxii) MARIAGER FJORD
- (xxxiii) MARSTAL, Ærø
- (xxxiv) MIDDELFAKT, Fyn
- (xxxv) NAKSKOV, Lolland
- (xxxvi) NYBORG, Fyn
- (xxxvii) NYKØBING, Falster
- (xxxviii) NÆSTVED, Karrabæk Fjord
- (xxxix) ODENSE, Fyn
- (xl) OREHOVED, Falster
- (xli) RANDERS
- (xlii) RUDKØBING
- (xliii) RØDBYHAVN, Lolland
- (xliv) RØNNE, Bornholm
- (xlv) SKAGEN - THE SKAW (Transit, anchorage and STS-operation)
- (xlvi) STEVNS PIER, Sjælland
- (xlvii) STIGNÆS, including Guldhavn, Sjælland
- (xlviii) STOREBÆLT (GREAT BELT) (Transit)
- (xlix) STRUDSTRUPVÆRKET
- (l) STUBBEKØBING
- (li) SVENDBORG, Fyn
- (lii) SØBY, Ærø
- (liii) SØNDERBORG
- (liv) VEJLE
- (lv) VORIDINGBØRG, Sjælland

(b) **Danish Pilot Service:** Provides pilotage for:

- (i) AABENRAA (Sea and harbour pilotage)
- (ii) AALBORG, Limfjorden
- (iii) AARHUS (Sea pilotage)
- (iv) AGGERSUND, Limfjorden
- (v) ENSTEDSVÆRKET (Sea and harbour pilotage)
- (vi) FREDERICIA (Sea and harbour pilotage)
- (vii) FUR HAVN, Limfjorden
- (viii) GULFHAVN (Sea pilotage)
- (ix) HOLSTEBRO-STUER, Limfjorden
- (x) KALUNDBORG (Sea and harbour pilotage)
- (xi) LEMVIG, Limfjorden
- (xii) LØGSTØR, Limfjorden
- (xiii) NORDJYLLANDSVÆRKET, Limfjorden
- (xiv) NØRRESUNDBY, Limfjorden
- (xv) NYKØBING, Limfjorden
- (xvi) ODDESUND, Limfjorden
- (xvii) SKIVE, Limfjorden
- (xviii) STIGNÆS (Sea pilotage)
- (xix) THISTED, Limfjorden
- (xx) THYBORØN, Limfjorden
- (xxi) VILSUND, Limfjorden

(c) **Pilot Tango:** Provides pilotage for the following areas:

- (i) Route T
- (ii) Skaw-Gedser T74
- (iii) Skaw-Gedser T69
- (iv) Grenaa-DW58
- (v) Grenaa-Gedser T69
- (vi) Deep Sea services on request

(6) DanPilot - Danish State Pilotage offices will also forward Pilot ordering for private pilotage service providers.

(7) Pilots should be ordered as follows:

(a) **DanPilot - Danish State Pilotage:**

- (i) At least 18h before ETA at the required Pilot boarding position, with confirmation or corrections 4h before ETA
- (ii) Vessels outward-bound from port: At least 4h before the Pilot is required, with confirmation or corrections 1h before ETD

Note: DanPilot - Danish State Pilotage handles the public pilotage through Danish territorial waters from any destination in Denmark to all ports in the Baltic Sea. As the unique full-service provider in Denmark DanPilot - Danish State Pilotage offers pilotage to all Danish ports as well. DanPilot is obliged to deliver pilotage in Denmark and handles all transit pilotage.

(b) **Danish Pilot Service:**

- (i) Skagen, Storebælt South and Gedser: 24h and 12h in advance via e-mail or telephone, with confirmation 6h before ETA via telephone
- (ii) Pøls Rev, Route T Lt buoy 21, Route T Lt buoy 23, Fredericia Roads, Kalundborg Roads and Aabenraa Roads: At least 6h in advance via telephone
- (iii) Limfjorden: 6h in advance with confirmation 3h before ETA at Hals 1, 2 & 3 or the entrance to Limfjorden west

(c) **Pilot Tango:**

- (i) At least 48h prior to ETA or earliest possible
- (ii) State the following additional to (8) below:
 - (1) Requested pilotage distance from and to
 - (2) Request for non-stop passage yes/no
 - (3) Expected stops, slow down or anchoring during passage
 - (4) Expected speed through the water during the passage

(8) Vessels should state the following information when ordering a Pilot:

- (a) Vessel's name, call sign and IMO No
- (b) gt, LOA, beam, draught and speed
- (c) Nature of cargo under IBC codes
- (d) ETA at required Pilot boarding position
- (e) Destination for pilotage
- (f) Any faults affecting vessel's manoeuvrability
- (g) Contact and payment information
- (h) Payer's information

(9) When ordering Pilots from other private pilotage service providers, ordering should be carried out within the time limits stipulated by the pilotage service provider concerned.

continued on next column

continued on next page

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(10) The following ports utilise Pilots not provided by DanPilot - Danish State Pilotage, but Pilots may still be ordered using the procedures above:

- (a) AALBORG, Limfjorden
- (b) AARHUS
- (c) AGGERSUND
- (d) BOGENSE, Fyn
- (e) EBELTOFT
- (f) EGERNSUND
- (g) FUR
- (h) GRÅSTEN
- (i) HANSTHOLM HAVN
- (j) HIRSTSHALS HAVN
- (k) HVIDE SANDE
- (l) KERTEMINDE, Fyn
- (m) LEMVIG
- (n) LØGSTØR
- (o) NEXØ, Bornholm
- (p) NØRRESUNDBY
- (q) NYKØBING MORS
- (r) ODDERSUND
- (s) RØMØ HAVN
- (t) SKIVE
- (u) STRUER
- (v) SÆBY
- (w) SKAGEN
- (x) THISTED
- (y) THORSMINDE (TORSMINDE)
- (z) THYBORØN

Pilot Tango correspondence, (RSDRA2022000305824), 52/22

PAGE 47, DENMARK, STOREBÆLT (GREAT BELT), Pilots, above HOURS section.

Insert:

Pilot Tango - Danish State Pilotage (Transit/Anchorage/Deep Sea)

Call: Pilot Tango
VHF Channel: Ch 16; 12
Telephone: +45 75 770770
E-mail: info@pilottango.dk
Website: www.pilottango.dk

Pilot Tango correspondence, (RSDRA2022000305824), 52/22

VOLUME 6, NP286(6), Third Edition, 2022

Published Wk 02/22

(Last Updates: Weekly Edition No. 51 dated 22 December 2022)

PAGE 247, JAPAN, SAKAI, Honshu, Pilots, PROCEDURE section.

Delete and replace by:

PROCEDURE:

Pilotage is not compulsory.

Japanese Notice 48/587/22, (RSDRA2022000311078), 52/22

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ADMIRALTY LIST OF RADIO SIGNALS CUMULATIVE LIST OF UPDATES CORRECT TO Wk 52/22

This list is a summary of the entries in the current editions of the Admiralty List of Radio Signals which have had updates issued in Section VI of the Weekly Edition of Notices to Mariners. The entries affected are shown in bold type followed by the numbers of the Weekly Editions in which updates for that station were issued. These summaries are issued on a quarterly basis.

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UPDATES TO MISCELLANEOUS ADMIRALTY NAUTICAL PUBLICATIONS

UKRAINE NAVIGATIONAL INFORMATION

Owing to insufficient information, it is not always possible to ensure that ADMIRALTY Nautical Publications are completely up-to-date for new dangers or changes to aids to navigation.

Mariners are therefore advised to exercise particular caution when navigating in Ukrainian waters.

In force 29th December 2022

<i>NP no</i>	<i>Page(s)</i>	<i>Title</i>	<i>Weekly Edition</i>
100	The Mariner's Handbook	(12th Edition 2020)	14/20
	20	Data Quality	34/21
	178	National Maritime Limits	13/21
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	223	Augmentation Systems	21/21
	241	Firing and Exercise Areas	52/21
231	ADMIRALTY Guide to the Practical Use of ENC's	(3rd Edition 2019)	42/19
	83	Data Quality	47/21

ADMIRALTY DIGITAL SERVICES

1. ENC / ECDIS and AVCS

a) *ENCs temporarily withdrawn from AVCS*

A list of ENCs that have been temporarily withdrawn from AVCS for safety reasons can be found in the README file and on the AVCS Updates page, accessed from admiralty.co.uk/avcs.

b) *ENC Readme.txt file*

The README.TXT file located within the ENC_ROOT folder of AVCS Exchange sets contains important safety related information relating to the use of ENCs in ECDIS. The file is also available on the AVCS Support page, accessed from admiralty.co.uk/avcs.

This file should be consulted each week to ensure that all related issues are taken into consideration. The file header indicates the last time that the README file was updated and the date that it was issued.

c) *Temporary information in ENCs*

Mariners should take temporary information into account when planning and executing a passage with ENCs and most ENC producers now include temporary information in their ENCs. It is usually compiled as normal ENC updates, sometimes with the start and end dates attributed or described as 'Temporary' in the pick report.

The latest confirmed status of T&P NM information in the ENCs that are available in ADMIRALTY services is shown in the ENC-T&P-NM-Status.pdf file at: admiralty.co.uk/ENC-TP-NMs. Note that T&P NMs are compiled for paper charts and may not align with any temporary information that is compiled into ENCs.

ADMIRALTY Information Overlay (AIO) includes ADMIRALTY T&P NMs for paper charts where the ENC Producer has not confirmed that they include temporary information in their ENCs.

Further guidance can be found in the AIO User Guide on the AVCS Support page, accessed from admiralty.co.uk/avcs.

d) **Important notice for users of AVCS and ARCS Online Updating Services (AVCS OUS and ARCS OUS)**

The email service for AVCS OUS was withdrawn at the end of February 2019 due to technology infrastructure changes at UKHO.

The ARCS Online Updating Service was withdrawn in July 2019.

2. ADMIRALTY Products Supporting Digital Navigation

- i. ADMIRALTY ENC and ECDIS Maintenance Record (NP133C). This publication is designed to hold paper records on ENC and ECDIS maintenance to assist information management and support inspections. Please note that V2.0 is the current edition.
- ii. ADMIRALTY Guide to ENC Symbols Used in ECDIS (NP5012). A companion to the ADMIRALTY Guide to Symbols and Abbreviations Used on Paper Charts, NP5011. The 2nd edition of NP5012 includes the changes highlighted in the new S-52 standards and the new presentation library 4.0.
- iii. ADMIRALTY Guide to the Practical Use of ENCs (NP231). Supports ECDIS training on the interpretation and use of ENC data.
- iv. ADMIRALTY Guide to ECDIS Implementation, Policy and Procedures (NP232). Provides clear guidance for any individual or organisation responsible for the introduction of ECDIS, in particular those involved in the development of detailed ECDIS operating procedures.

3. ADMIRALTY Digital Publications (ADP)

ADMIRALTY Sailing Directions: Removal of AIS and Racons

In 2018, the UKHO began the process of removing AIS and Racon information from ADMIRALTY Sailing Directions, as this is held in greater detail within ADMIRALTY Radio Signals publications. During this transition, AIS and Racon information will be removed from new editions of each Sailing Direction volume, and AIS and Racon information present in existing Sailing Direction volumes will no longer be updated. For accurate, up-to-date information on AIS and Racons, refer to ADMIRALTY Radio Signals publications.

ADP V23 is available on the ADP Weekly Update DVD.

ADP V23 will be released on 15th December 2022. ADP V18 (until July 2023), V19 and V23 are supported by the UKHO and are the only versions that allow users to receive tidal updates as they are made available. Users of older versions of ADP should upgrade to a supported version at their earliest convenience.

ADMIRALTY TotalTide (ATT): German Tidal Stations predicted on LAT

The TotalTide application computes predictions for all German tidal stations based on Lowest Astronomical Tide (LAT). Mariners using charts which refer to Mean Low Water Springs (MLWS) in German waters, must deduct 0.5m from all predicted tidal heights for these ports before applying them to the depths on those charts to determine the correct predicted depth of water. This advice will also be contained in the 'Notes' tab on the Prediction Windows in TotalTide for each German tidal station.

For information: Please note the UKHO will not be supporting V18 from July 2023.

The ADP software and the Data updates can still be downloaded from weekly ADP Update and Software DVDs.

To get access to the ADP Update and Software DVD, please contact your ADMIRALTY Distributor.

For information: Ensure that Activation Key Requests and Update Data Requests for ADP are sent to ADPMailGateway@ukho.gov.uk

4. ADMIRALTY e-Nautical Publications (AENP)

There is currently an e-Reader 1.3 enabling users to read Digital copies of our Sailing Directions paper publications.

A new e-Reader 1.4 was released to the Channel on 01/10/2020. This version 1.4 has got the same functionalities as the current version 1.3 but is more performant and user-friendly. While the current 1.3 version can be used on Windows 7 and 8.1 Operating Systems (OS), the e-Reader 1.4 can only be used on Windows 8.1 and 10 OS, to follow the Microsoft guidelines of withdrawing support for Windows 7 OS.

To enable users to activate this new application, users might need to delete one e-Reader application from their Fleet Manager Licences if the maximum 3 allowed has been reached.

Both the e-Readers 1.3 and 1.4 are supported at the UKHO.

The e-Reader 1.4 software and the Data updates can be downloaded from weekly ADP Update and Software DVDs.

To get access to the AENP Update and Software DVD, please contact your ADMIRALTY Distributor.

5. Status of ADMIRALTY Digital Services

Update status table			
	Product	Last issue date/Week	Reissue Date/Week
i.	ADMIRALTY Vector Chart Service (AVCS) Base .zip download	01 December 2022 - 48	
ii.	ADMIRALTY Information Overlay (AIO) Base CD	31 March 2022 - 13	
iii.	ADMIRALTY Raster Chart Service (ARCS) Regional disc 1	03 November 2022 - 44	
	ADMIRALTY Raster Chart Service (ARCS) Regional disc 2	22 September 2022 - 38	16 February 2023 - 07
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	ADMIRALTY Raster Chart Service (ARCS) Regional disc 6	14 July 2022 - 28	19 January 2023 - 03
	ADMIRALTY Raster Chart Service (ARCS) Regional disc 7	26 May 2022 - 21	
	ADMIRALTY Raster Chart Service (ARCS) Regional disc 8	11 August 2022 - 32	
	ADMIRALTY Raster Chart Service (ARCS) Regional disc 9	28 July 2022 - 30	
	ADMIRALTY Raster Chart Service (ARCS) Regional disc 10	10 March 2022 - 10	02 February 2023 - 05
	ADMIRALTY Raster Chart Service (ARCS) Regional disc 11	06 October 2022 - 40 Small-scale Planning Charts	

ADMIRALTY Vector Chart Service (AVCS) DVDs and ADMIRALTY Information Overlay (AIO) CDs are issued weekly and contain all base and update data available at the time of issue.

6. Supported ADMIRALTY Software Versions

Product	Supported Versions
ADP	V18, V19, V23
ADMIRALTY e-Reader	1.3, 1.4
NavPac and Compact Data	4.2

If you are using an unsupported version, contact your Chart Distributor to upgrade to the latest version as soon as possible.

HYDROGRAPHIC NOTE FOR PORT INFORMATION

(To accompany Form H.102)

H.102A

(V7.0 Jan 2013)

Reporting Port Information affecting ADMIRALTY Products

NAME OF PORT			
APPROXIMATE POSITION	Latitude		Longitude
GENERAL REMARKS Principal activities and trade. Latest population figures and date. Number of ships or tonnage handled per year. Maximum size of vessel handled. Copy of Port Handbook (<i>if available</i>).			
ANCHORAGES Designation, depths, holding ground, shelter afforded.			
PILOTAGE Authority for requests. Embark position. Regulations.			
DIRECTIONS Entry and berthing information. Tidal streams. Navigational aids.			
TUGS Number available.			
WHARVES Names, numbers or positions & lengths. Depths alongside.			
CARGO HANDLING Containers, lighters, Ro-Ro etc.			
REPAIRS Hull, machinery and underwater. Shipyards. Docking or slipping facilities. (<i>Give size of vessels handled or dimensions</i>) Divers.			

HYDROGRAPHIC NOTE FOR PORT INFORMATION

(To accompany Form H.102)

H.102A

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RESCUE AND DISTRESS Salvage, Lifeboat, Coastguard, etc.	
SUPPLIES Fuel. (with type, quantities and methods of delivery) Fresh water. (with method of delivery and rate of supply) Provisions.	
SERVICES Medical. Ship Sanitation. Garbage and slops. Ship chandlery, tank cleaning, compass adjustment, hull painting.	
COMMUNICATIONS Nearest airport or airfield. Port radio and information service. (with frequencies and hours of operating)	
PORT AUTHORITY Designation, address, telephone, e-mail address and website.	
VIEWS Photographs (where permitted) of the approaches, leading marks, the entrance to the harbour etc.	
ADDITIONAL DETAILS	

NOTES:

1. Form H.102A lists the information required for ADMIRALTY Sailing Directions and has been designed to help the sender and the recipient. The sections should be used as an aide-memoir, being used or followed closely, whenever appropriate. Where there is insufficient space on the form an additional sheet should be used.
2. **Reports which cannot be confirmed or are lacking in certain details should not be withheld.** Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be mentioned.

HYDROGRAPHIC NOTE FOR GNSS OBSERVATIONS AGAINST CORRESPONDING BRITISH ADMIRALTY CHART POSITIONS

(To accompany Form H.102)

H.102B
(V7.0 Jan 2014)

NOTES:

1. This form is designed to assist in the reporting of observed differences between WGS84 datum and the geodetic datum of British ADMIRALTY Charts by mariners, including yachtsmen and should be submitted as an accompaniment to Form H.102 (full instructions for the rendering of data are on Form H.102). Where there is insufficient space on the form an additional sheet should be used.
2. **Objective of GNSS Data Collection**

The UK Hydrographic Office would appreciate the reporting of Global Navigation Satellite Systems (GNSS) positions, referenced to WGS84 datum, at identifiable locations or features on British ADMIRALTY Charts. Such observations could be used to calculate positional shifts between WGS84 datum and the geodetic datum for those British ADMIRALTY Charts which it has not yet been possible to compute the appropriate shifts. These would be incorporated in future new editions or new charts and promulgated by Preliminary Notices to Mariners in the interim.

It is unrealistic to expect that a series of reported WGS84 positions relating to a given chart will enable it to be referenced to that datum with the accuracy required for geodetic purposes. Nevertheless, this provides adequate accuracy for general navigation, considering the practical limits to the precision of 0.2mm (probably the best possible under ideal conditions – vessel alongside, good light, sharp dividers etc), this represents 10 metres on the ground at a chart scale of 1:50,000.

It is clear that users prefer to have **some** indication of the magnitude and direction of the positional shift, together with an assessment of its likely accuracy, rather than be informed that a definitive answer cannot be formulated. Consequently, where a WGS84 version has not yet been produced, many charts now carry approximate shifts relating WGS84 datum to the geodetic datum of the chart. Further observations may enable these values to be refined with greater confidence.
3. **Details required**
 - a. It is essential that the chart number, edition date and its correctional state (latest NM) are stated. For ENC's, please state the ENC name and latest update applied.
 - b. Position (to 2 decimal places of a minute) of observation point, using chart graticule or, if ungraduated, relative position by bearing/distance from prominent charted features (navigation lights, trig. points, church spires etc.).
 - c. Position (to 2 decimal places of a minute) of observation point, using GNSS Receiver. Confirm that GNSS positions are referenced to WGS84 datum.
 - d. Include GNSS receiver model and aerial type (if known). Also of interest: values of PDOP, HDOP or GDOP displayed (indications of theoretical quality of position fixing depending upon the distribution of satellites overhead) and any other comments.

HYDROGRAPHIC NOTE – H.102 INSTRUCTIONS (V9.0 Dec 2017)

1. Mariners are requested to notify the United Kingdom Hydrographic Office (UKHO) when new or suspected dangers to navigation are discovered, changes observed in aids to navigation, or corrections to publications are seen to be necessary. Mariners can also report any ENC display issues experienced. The Mariner's Handbook (NP100) Chapter 4 gives general instructions. The provisions of international and national laws should be complied with when forwarding such reports.
2. Accurate position or knowledge of positional error is of great importance. Where latitude and longitude have been used to specifically position the details of a report, a full description of the method used to obtain the position should be given. Where possible the position should be fixed by GPS or Astronomical Observations. A full description of the method, equipment, time, estimated error and datum (where applicable) used should be given. Where the position has been recorded from a smart phone or tablet, this is to be specifically mentioned. When position is defined by sextant angles or bearings (true or magnetic to be specified), more than two should be used to provide a redundancy check. Where position is derived from Electronic Position Fixing (e.g. LORAN C) or distances observed by radar, the raw readings of the system in use should be quoted wherever possible. Where position is derived after the event, from other observations and / or Dead Reckoning, the methodology of deriving the position should be included.
3. **Paper Charts:** A cutting from the largest scale chart is often the best medium for forwarding details, the alterations and additions being shown thereon in red. When requested, a new copy will be sent in replacement of a chart that has been used to forward information, or when extensive observations have involved defacement of the observer's chart. If it is preferred to show the amendments on a tracing of the largest scale chart (rather than on the chart itself) these should be in red as above, but adequate details from the chart must be traced in black ink to enable the amendments to be fitted correctly.
4. **ENCs:** A screen shot of the largest scale usage band ENC with the alterations and additions being shown thereon in red. If it is to report an issue with the display of an ENC, a screen shot of the affected ENC should be sent along with details of the ECDIS make, model or age and version in use at the time.
5. When **soundings** are obtained The Mariner's Handbook (NP100) should where possible be consulted. It is important to ensure that full details of the method of collection are included with the report. This should include but not limited to:
 - (a) Make, model and type of echo sounder used.
 - (b) Whether the echo sounder is set to register depths below the surface or below the keel; in the latter case the vessel's draught should be given.
 - (c) Time, date and time zone should be given in order that corrections for the height of the tide may be made where necessary, or a statement made as to what corrections for tide have already been made.
 - (d) Where larger amounts of bathymetric data have been gathered, only those areas where a significant difference to the current chart or ENC should be specifically mentioned on the H102. The full data set may also be sent in, with an additional note added to this effect. If no significant differences are noted, the bathymetric data may still be of use, and sent in accordingly. Where full data sets are included, a note as to the data owner and their willingness for the data to be incorporated into charts and ENCs included.
6. **For Echo Sounders that use electronic 'range gating', care should be taken that the correct range scale and appropriate gate width are in use.** Older electro-mechanical echo sounders frequently record signals from echoes received back after one or more rotations of the stylus have been completed. Thus, with a set whose maximum range is 500m, an echo recorded at 50m may be from depths of 50m, 550m or even 1050m. Soundings recorded beyond the set's nominal range can usually be recognised by the following:
 - (a) the trace being weaker than normal for the depth recorded;
 - (b) the trace passing through the transmission line;
 - (c) the feathery nature of the trace.

As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be submitted if they show significant differences from charted depths.
7. **Reports which cannot be confirmed or are lacking in certain details should not be withheld.** Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be mentioned.
8. Reports of **shoal soundings**, uncharted dangers and aids to navigation out of order should, at the mariner's discretion, also be made by radio to the nearest coast radio station. The draught of modern tankers is such that any uncharted depth under 30 metres or 15 fathoms may be of sufficient importance to justify a radio message.
9. Changes to Port Information should be forwarded on Form H.102A and any GPS/Chart Datum observations should be forwarded on Form H.102B together with Form H.102. Where there is insufficient space on the forms additional sheets should be used.
10. Reports on ocean currents, magnetic variations and other marine observations should be made in accordance with The Mariner's Handbook (NP100) Chapter 4 with forms also available at admiralty.co.uk/MSI.

Note. - An *acknowledgement* or receipt will be sent and the information then used to the best advantage which may mean immediate action or inclusion in a revision in due course; for these purposes, the UKHO may make reproductions of any material supplied. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless (as sometimes happens) the information is also received from other authorities or the sender states that they do not want to be named by using the appropriate tick box on the form. An explanation of the use made of contributions from all parts of the world would be too great a task and a further communication should only be expected when the information is of outstanding value or has unusual features.



Hydrographic Note – H.102
Reporting information affecting ADMIRALTY Maritime Products & Services

For emergency information affecting safety of life at sea forward to: navwarnings@ukho.gov.uk
Or alternatively contact T: +44 (0)1823 353448 (direct line) +44 (0)7989 398345 (mobile) F: +44 (0)1823 322352
For new information affecting all ADMIRALTY Charts and Publications forward to: sd@ukho.gov.uk
This form H.102 and instructions are available online: admiralty.co.uk/msi

Date		Ref. number	
Name of ship or sender		IMO number	
Address and general locality			
E-mail / Tel / Fax of sender			
Subject			
Position (see <i>Instruction 2</i>)	Latitude		Longitude
	GPS	Datum	Accuracy
ADMIRALTY Charts affected		Edition	
Latest Weekly Edition of Notices to Mariners (NMs) held			
Replacement copy of chart number (see <i>Instruction 3</i>)	IS / IS NOT required		
ENCs affected			
Latest update disk applied	Week:		
Make, model and or age of ECDIS if applicable			
Publications affected (e-NP / DP number, edition number)			
Date of latest supplement/update, page & Light List number etc.			
Details of anomaly / observation:			
Name of observer / reporter			
H.102A submitted	Yes <input type="checkbox"/>	No <input type="checkbox"/>	H.102B submitted Yes <input type="checkbox"/> No <input type="checkbox"/>
Tick box if not willing to be named as source of this information <input type="checkbox"/>			

