



ADMIRALTY NOTICES TO MARINERS

Weekly Edition 48

01 December 2022

(Published on the ADMIRALTY website 21 November 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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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.

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ADMIRALTY Charts affected by the Publication List

ADMIRALTY Charts	ADMIRALTY Charts	International Charts	ADMIRALTY Publication
2083	AUS 163	INT 602	NP 283(1)
1940	AUS 167	INT 622	
2101	AUS 168	INT 1207	
3273	AUS 171	INT 1356	
3274	AUS 173	INT 1649	
3275	AUS 341	INT 1650	
3382	AUS 342	INT 1651	
3384	AUS 343	INT 3657	
3757	AUS 346		
4129	AUS 347		
4602	AUS 348		
4622	AUS 349		
5609_2	AUS 485		
5609_7	AUS 487		
5610_19	AUS 766		
5620_4	AUS 767		
5620_5	AUS 776		
5620_6	AUS 777		
5620_7	AUS 778		
AUS 120	AUS 780		
AUS 130	AUS 781		
AUS 134	AUS 790		
AUS 136	AUS 795		
AUS 140	AUS 796		
AUS 144	AUS 798		
AUS 151	AUS 799		
AUS 155	DE 37		
AUS 157	NZ 9558		

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>

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

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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.

WMO SURVEY

The World Meteorological Organization is conducting a survey regarding the World-Wide Meteorological Information and Warning Service available at: WWW.JCOMM.INFO/MMMS
Your participation is GREATLY appreciated and VALUED.

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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.

ADMIRALTY CHARTS AND PUBLICATIONS NOW PUBLISHED AND AVAILABLE

NEW EDITIONS OF ADMIRALTY CHARTS AND PUBLICATIONS

New Editions of ADMIRALTY Charts published 01 December 2022

<i>Chart</i>	<i>Title, limits and other remarks</i>	<i>Scale</i>	<i>Folio</i>	<i>2022 Catalogue page</i>
©3273 INT 1649	International Chart Series, Wales - South Coast, Entrance to Milford Haven. <i>Includes changes to depths from the latest Port Authority Surveys.</i> <i>Note:</i> This chart remains affected by Notices 97(T)/20, 2187(T)/22 and 2372(T)/22.	1:12,500	2	21
©3274 INT 1650	International Chart Series, Wales - South Coast, Milford Haven - Saint Ann's Head to Newton Noyes Pier. <i>Includes changes to depths from the latest Port Authority Surveys.</i> <i>Note:</i> This chart remains affected by Notices 97(T)/20, 2187(T)/22 and 2372(T)/22.	1:12,500	2	21
©3275 INT 1651	International Chart Series, Wales - South Coast, Milford Haven - Milford Docks to Picton Point. Ⓐ Pembroke Reach. Ⓑ Continuation of River Cleddau. Ⓒ Continuation of River Cleddau. Ⓓ Carew River.	1:12,500 1:5,000 1:12,500 1:50,000 1:50,000	2	21
©3757	Indonesia - Kalimantan - West Coast, Gosong Aling to Pulau Pesemut. <i>Includes significant safety-related information as follows: changes to depths and buoyage.</i> <i>Note:</i> On publication of this New Edition former Notices 6188(T)/19 and 3856(P)/22 are cancelled. This chart remains affected by Notice 2496(P)/22.	1:250,000	46	72

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

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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 01 December 2022 (continued)

Chart	Title, limits and other remarks	Scale	Folio	2022 Catalogue page
⊙4129	China - Hong Kong, South Western Approaches. <i>Includes significant safety-related information as follows: new marine reserve and buoyage.</i> <i>Note:</i> On publication of this New Edition former Notice 3840(P)/22 is cancelled. This chart remains affected by Notices 999(P)/21, 1435(T)/21 and 1484(P)/22.	1:30,000	47	78
⊙4602 INT 602	International Chart Series, South Pacific Ocean, Tasman and Coral Seas, Australia to Northern New Zealand and Fiji. <i>Includes changes to restricted areas, depths, cables and notes. (A modified reproduction of INT602 published by Australia.)</i> <i>Note:</i> This chart remains affected by Notice 3609(T)/20.	1:3,500,000	66	18, 104
⊙4622 INT 622	International Chart Series, South Pacific Ocean, Admiralty Islands to Solomon Islands. <i>Includes changes to depths, coastline and unsurveyed areas. (A modified reproduction of INT622 published by Australia.)</i> <i>Note:</i> This chart remains affected by Notices 4723(T)/18, 2356(T)/20 and 5545(T)/20.	1:1,500,000	67	98, 100, 102

ADMIRALTY Publication

NP No.	Title and other remarks	Date	Remarks
NP283(1)	ADMIRALTY List of Radio Signals. Maritime Safety Information Services Europe, Africa and Asia (excluding the Far East) Volume 3(1) 3rd Edition (2022). ISBN Number: 978-0-70-774-7354	01/12/2022	Updated to Week 41/22. First updates in NM week 48/22. The 2nd Edition (2021) of N283(1) is cancelled.

⊙ 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 15 DECEMBER 2022

New Editions of ADMIRALTY Charts

Chart	Title, limits and other remarks	Scale	Charts to be WITHDRAWN	Folio	2022 Catalogue page
2083 INT 1207	International Chart Series, Baltic Sea, Gulf of Bothnia, Sundsvall to Sydostbrotten and Yttergrund to Vaasa.	1:250,000	⊙2083 INT 1207	11	36
<i>Includes changes to depths, aids to navigation and restricted areas. (A modified reproduction of INT1207 published by Sweden).</i>					
2101 INT 3657	International Chart Series, Turkey - South Coast, Mersin Limani.	1:12,500	⊙2101 INT 3657	30	46
<i>Includes significant safety-related information as follows: changes to depths, aids to navigation and coastline (A modified reproduction of INT3657 published by Turkey)</i>					

New Editions of ADMIRALTY Small Craft Charts

Chart	Title and other remarks	Scale	Charts to be WITHDRAWN	NP109A Catalogue page
5609_2	Aberystwyth to Barmouth. Ⓐ Aberystwyth to Barmouth. Ⓑ Aberystwyth.	1:75,000 1:18,000	5609_2	21, 22
<i>Includes full updates for New Edition and Notices to Mariners affecting source charts.</i>				
5609_7	Plans in the Northern Part of Cardigan Bay. Ⓐ Approaches to Porthmadog. Ⓑ Porthmadog Harbour. Ⓒ Barmouth. Ⓓ Aberdovey.	1:25,000 1:7,500 1:25,000 1:25,000	5609_7	21, 22
<i>Includes full updates for New Edition and Notices to Mariners affecting source charts.</i>				
5610_19	Firth of Clyde.	1:200,000	5610_19	23, 24
<i>Includes full updates for New Edition and Notices to Mariners affecting source charts.</i>				
5620_4	Aberystwyth to New Quay. Ⓐ Aberystwyth to New Quay. Ⓑ Aberystwyth. Ⓒ New Quay.	1:75,000 1:18,000 1:12,500	5620_4	39, 40
<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 TO BE PUBLISHED

ADMIRALTY CHARTS TO BE PUBLISHED 15 DECEMBER 2022

New Editions of ADMIRALTY Small Craft Charts (continued)

Chart	Title and other remarks	Scale	Charts to be WITHDRAWN	NP109A Catalogue page
5620_5	Aberaeron to Newport. Ⓐ Aberaeron to Newport. Ⓑ Aberporth. Ⓒ Approaches to Cardigan.	1:75,000 1:30,000 1:37,500	5620_5	39, 40
<i>Includes full updates for New Edition and Notices to Mariners affecting source charts.</i>				
5620_6	Aberaeron and Fishguard Bay. Ⓐ Aberaeron. Ⓑ Fishguard Bay.	1:18,000 1:15,000	5620_6	39, 40
<i>Includes full updates for New Edition and Notices to Mariners affecting source charts.</i>				
5620_7	Newport Bay to Ramsey Sound. Ⓐ Newport Bay to Ramsey Sound. Ⓑ Newport Bay.	1:75,000 1:37,500	5620_7	39, 40
<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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CHARTS TO BE AVAILABLE 15 DECEMBER 2022

New Charts

Reproductions of German Government Charts

<i>Chart</i>	<i>Title, limits and other remarks</i>	<i>Scale</i>	<i>Charts to be WITHDRAWN</i>	<i>Folio</i>	<i>2022 Catalogue page</i>
DE37 INT 1356	International Chart Series, Baltic Sea, Germany, Dahmeshöved to Wismar. Neustadt. 53° 53'·10 N — 54° 13'·20 N., 10° 44'·00 E — 11° 34'·00 E	1:50,000 1:12,500	-	10	34

A new chart providing improved coverage of Dahmeshöved to Wismar. (Published jointly by the UKHO and by the German Hydrographic Office.) This chart is included in the International Chart Series.

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>
3273 INT 1649	International Chart Series, Wales - South Coast, Entrance to Milford Haven.	⊙3273 INT 1649
3274 INT 1650	International Chart Series, Wales - South Coast, Saint Ann's Head to Newton Noyes Pier.	⊙3274 INT 1650
3275 INT 1651	International Chart Series, Wales - South Coast, Milford Haven - Milford Docks to Picton Point.	⊙3275 INT 1651
3757	Indonesia - Kalimantan - West Coast, Gosong Aling to Pulau Pesemut.	⊙3757
4129	China - Hong Kong, South Western Approaches.	⊙4129
4602 INT 602	International Chart Series, South Pacific Ocean, Tasman and Coral Seas, Australia to Northern New Zealand and Fiji.	⊙4602 INT 602
4622 INT 622	International Chart Series, South Pacific Ocean, Admiralty Islands to Solomon Islands.	⊙4622 INT 622

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

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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>
⊙1940	Mexico – Pacific Ocean Coast, Salina Cruz and Approaches.	22 December 2022
⊙3382	United States – Gulf of Mexico, Louisiana, Mississippi River, Southwest Pass to New Orleans.	22 December 2022
⊙3384	United States – Gulf of Mexico, Louisiana, Mississippi River, New Orleans to Baton Rouge.	22 December 2022
⊙NZ9558	South Pacific Ocean, Cook Islands, Rarotonga.	22 December 2022

ADMIRALTY CHARTS INDEPENDENTLY WITHDRAWN

ADMIRALTY Charts

<i>Chart to be WITHDRAWN</i>	<i>Main Title</i>	<i>Date of withdrawal</i>
⊙AUS120	Australia – South Coast, South Australia, Approaches to Thevenard. <i>Note:</i> On withdrawal of this chart former Notice 3142(T)/21 is cancelled.	01 December 2022
⊙AUS130	Australia – South Coast, South Australia, Approaches to Port Adelaide. <i>Note:</i> On withdrawal of this chart former Notice 3648(T)/21 is cancelled.	01 December 2022
⊙AUS134	Australia – South Coast, South Australia, Approaches to Port Lincoln.	01 December 2022
⊙AUS136	Australia – South Coast, South Australia, Approaches to Whyalla and Port Pirie. <i>Note:</i> On withdrawal of this chart former Notice 4398(T)/22 is cancelled.	01 December 2022
⊙AUS140	Australia – South Coast, Victoria, Approaches to Portland. <i>Note:</i> On withdrawal of this chart former Notices 4080(T)/19, 1726(T)/20 and 2138(T)/21 are cancelled.	01 December 2022
⊙AUS144	Australia – South Coast, Victoria, The Rip. <i>Note:</i> This chart is to be deleted from the list of charts affected by Notice 4405(T)/22.	01 December 2022

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

I

ADMIRALTY CHARTS INDEPENDENTLY WITHDRAWN

ADMIRALTY Charts (continued)

<i>Chart to be WITHDRAWN</i>	<i>Main Title</i>	<i>Date of withdrawal</i>
⊙AUS151	Australia – South Coast, Victoria, Western Port (Entrance and North Arm) <i>Note:</i> On withdrawal of this chart former Notice Notices 5154(T)/19 and 3123(T)/21 are cancelled. This chart is to be deleted from the list of charts affected by Notice 4395(T)/22.	01 December 2022
⊙AUS155	Australia – South Coast, Victoria, Approaches to Port of Melbourne. <i>Note:</i> On withdrawal of this chart former Notice 5128(T)/21 is cancelled. This chart is to be deleted from the list of charts affected by Notice 3521(T)/22.	01 December 2022
⊙AUS157	Australia – South Coast, Victoria, Port of Geelong and Approaches. <i>Note:</i> On withdrawal of this chart former Notices 1358(T)/18 and 1948(T)/21 are cancelled. This chart is to be deleted from the list of charts affected by Notice 1602(T)/22.	01 December 2022
⊙AUS163	Australia – Tasmania, Approaches to Burnie. <i>Note:</i> On withdrawal of this chart former Notices 771(T)/19, 4707(T)/20 and 2418(P)/22 are cancelled.	01 December 2022
⊙AUS167	Australia, Tasmania, Port Dalrymple. <i>Note:</i> On withdrawal of this chart former Notices 3437(T)/21 and 2418(P)/22 are cancelled.	01 December 2022
⊙AUS168	Australia, Tasmania, River Tamar, Long Reach to Launceston.	01 December 2022
⊙AUS171	Australia – South Coast, Tasmania, Hobart to Norfolk Bay.	01 December 2022
⊙AUS173	Australia – Tasmania, D’Entrecasteaux Channel. <i>Note:</i> On withdrawal of this chart former Notices 4400(T)/22 and 4439(T)/22 are cancelled.	01 December 2022
⊙AUS341	Australia – South Coast, South Australia, Head of Great Australian Bight to Streaky Bay. <i>Note:</i> On withdrawal of this chart former Notices 2530(P)/21 and 3142(T)/21 are cancelled.	01 December 2022

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

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ADMIRALTY CHARTS INDEPENDENTLY WITHDRAWN

ADMIRALTY Charts (continued)

<i>Chart to be WITHDRAWN</i>	<i>Main Title</i>	<i>Date of withdrawal</i>
⊙AUS342	Australia – South Coast, South Australia, Streaky Bay to Whidbey Isles. <i>Note:</i> On withdrawal of this chart former Notice 2530(P)/21 is cancelled.	01 December 2022
⊙AUS343	Australia – South Coast, South Australia, Whidbey Isles to Cape du Couedic. <i>Note:</i> On withdrawal of this chart former Notices 2530(P)/21 and 4392(T)/22 are cancelled.	01 December 2022
⊙AUS346	Australia – South Coast, South Australia, Kangaroo Island (South Coast) <i>Note:</i> On withdrawal of this chart former Notices 3726(P)/22 and 4392(T)/22 are cancelled.	01 December 2022
⊙AUS347	Australia – South Coast, South Australia, Backstairs Passage to Cape Martin.	01 December 2022
⊙AUS348	Australia – South Coast, South Australia – Victoria, Cape Martin to Cape Nelson. <i>Note:</i> On withdrawal of this chart former Notice 4080(T)/19 is cancelled.	01 December 2022
⊙AUS349	Australia – South Coast, Victoria, Cape Nelson to Port Philip. <i>Note:</i> On withdrawal of this chart former Notices 4080(T)/19, 1726(T)/20 and 5117(P)/21 are cancelled.	01 December 2022
⊙AUS485	Australia – South Coast, South Australia, Spencer Gulf and Gulf St Vincent. <i>Note:</i> On withdrawal of this chart former Notices 3041(T)/17, 4704(T)/20, 3726(P)/22 and 4392(T)/22 are cancelled.	01 December 2022
⊙AUS487	Australia – South Coast, Bass Strait. <i>Note:</i> On withdrawal of this chart former Notices 5117(P)/21 and 2418(P)/22 are cancelled. This chart is to be deleted from the list of charts affected by Notice 2043(P)/22.	01 December 2022
⊙AUS766	Australia – Tasmania, Mistaken Cape to Wardlaws Point. <i>Note:</i> This chart is to be deleted from the list of charts affected by Notice 3306(T)/21.	01 December 2022
⊙AUS767	Australia – Tasmania, Wardlaws Point to Eddystone Point.	01 December 2022
⊙AUS776	Australia – South Coast, South Australia, Williams Island to Winceby Island. <i>Note:</i> On withdrawal of this chart former Notice 4392(T)/22 is cancelled.	01 December 2022

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

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ADMIRALTY CHARTS INDEPENDENTLY WITHDRAWN

ADMIRALTY Charts (continued)

<i>Chart to be WITHDRAWN</i>	<i>Main Title</i>	<i>Date of withdrawal</i>
⊙AUS777	Australia – South Coast, South Australia, Winceby Island to Point Riley. <i>Note:</i> On withdrawal of this chart former Notices 3038(T)/19, 5706(T)/20 and 4708(T)/22 are cancelled.	01 December 2022
⊙AUS778	Australia – South Coast, South Australia, Point Riley to Port Augusta. <i>Note:</i> On withdrawal of this chart former Notices 4398(T)/22 and 4708(T)/22 are cancelled.	01 December 2022
⊙AUS780	Australia – South Coast, South Australia, Althorpe Islands to Backstairs Passage. <i>Note:</i> On withdrawal of this chart former Notices 3041(T)/17, 4704(T)/20 and 3648(T)/21 are cancelled.	01 December 2022
⊙AUS781	Australia – South Coast, South Australia, Gulf St Vincent. <i>Note:</i> On withdrawal of this chart former Notices 3039(T)/17, 4704(T)/20 and 3648(T)/21 are cancelled.	01 December 2022
⊙AUS790	Australia – Tasmania, Stokes Point to Rocky Cape. <i>Note:</i> On withdrawal of this chart former Notices 652(T)/22 and 2418(P)/22 are cancelled.	01 December 2022
⊙AUS795	Australia – Tasmania, South Cape to Storm Bay. <i>Note:</i> On withdrawal of this chart former Notices 4400(T)/22 and 4439(T)/22 are cancelled.	01 December 2022
⊙AUS796	Australia – Tasmania, Tasman Head to Cape Frederick Hendrick. <i>Note:</i> On withdrawal of this chart former Notices 6208(T)/20 and 4439(T)/22 are cancelled.	01 December 2022
⊙AUS798	Australia – Tasmania, Eddystone Point to Stony Head. <i>Note:</i> On withdrawal of this chart former Notices 4545(T)/20 and 2418(P)/22 are cancelled.	01 December 2022
⊙AUS799	Australia – Tasmania, Stony Head to Rocky Cape. <i>Note:</i> On withdrawal of this chart former Notices 1510(T)/21, 2528(T)/21, 652(T)/22 and 2418(P)/22 are cancelled.	01 December 2022

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

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4840 MISCELLANEOUS UPDATES TO CHARTS

Source: UKHO

<i>Chart</i>	<i>Previous Update</i>	<i>Details</i>
4637 INT 637	New Edition 25/11/2021	Effective from 08/12/2022 Delete magenta limit and chart number, AUS 609, in position, 28° 40.9' S, 168° 40.8' E. Insert magenta chart limit and chart number, AUS 609, as follows: North: 28° 57'·5S. East: 168° 04'·5E. South: 29° 10'·2S. West: 167° 48'·5E.
4641 INT 641	3843/22	Effective from 08/12/2022 Delete magenta limit and chart number, AUS 609, in position, 28° 40.4' S, 168° 40.9' E. Insert magenta chart limit and chart number, AUS 609, as follows: North: 28° 57'·5S. East: 168° 04'·5E. South: 29° 10'·2S. West: 167° 48'·5E.

4763* SCOTLAND - North Coast - Restricted areas. Legend. Moored storage tanker. Radar beacon.

Source: BP

Chart 219 (INT 1060) [previous update 3347/22] ETRS89 DATUM





Insert	legend, <i>Structure (subm)</i> , centred on:	(a) 60° 18'·9N., 4° 16'·6W.
Delete	 and associated radar beacon, <i>Racon(X)</i>	(a) above

Chart 1234 (INT 1600) [previous update 440/21] ETRS89 DATUM

Insert	circular limit of restricted area, radius 950m,  , centred on:	(a) 60° 18'·93N., 4° 16'·62W.
	legend, <i>Structure (subm)</i> , centred on:	(a) above
Delete	former circular limit of restricted area, radius 580m,  ,	
	centred on:	(a) above
	 and associated radar beacon, <i>Racon(X)</i>	(a) above

4766* CHANNEL ISLANDS - Guernsey - Obstruction.

Source: Guernsey Ports Notice 26/22

Chart 807 [previous update 3244/22] WGS84 DATUM

Insert	 <i>Obstn PA</i>	49° 25'·34N., 2° 32'·63W.
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Chart 808 [previous update 3244/22] WGS84 DATUM

Insert	 <i>Obstn PA</i>	49° 25'·34N., 2° 32'·63W.
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Chart 5604_10 [previous update 3244/22] WGS84 DATUM

Insert	 <i>Obstn PA</i>	49° 25'·34N., 2° 32'·63W.
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II

4771 ENGLAND - West Coast - Buoy.

Source: UKHO & Hayle Harbour Authority Notice 8/21

Chart 5603_4 (Panel A, Pendeen to Penhale Point) [*previous update New Chart 25/11/2021*] ETRS89 DATUM

Move		Q, from:	50° 12′·14N., 5° 26′·13W.
		to:	50° 12′·28N., 5° 26′·20W.

Chart 5603_4 (Panel B, Saint Ives) [*previous update New Chart 25/11/2021*] ETRS89 DATUM

Move		Q, from:	50° 12′·14N., 5° 26′·13W.
		to:	50° 12′·28N., 5° 26′·20W.

4772* ENGLAND - East Coast - Wrecks. Obstruction. Depth.

Source: Port of London Authority

Chart 1607 (INT 1562) [*previous update 4614/22*] ETRS89 DATUM


Insert			51° 32′·23N., 1° 01′·59E.
			51° 32′·33N., 1° 01′·56E.
		Obstm	51° 32′·38N., 1° 02′·78E.
		Wk	51° 34′·24N., 1° 09′·21E.
Replace		Wk with 	51° 32′·22N., 1° 01′·17E.

Chart 1609 [*previous update 4614/22*] ETRS89 DATUM










Insert			51° 32′·23N., 1° 01′·59E.
		Obstm	51° 32′·38N., 1° 02′·78E.
		Wk	51° 34′·24N., 1° 09′·21E.
Replace		Wk with 	51° 32′·22N., 1° 01′·17E.
		depth, 10 ₃ , with 	51° 32′·33N., 1° 01′·56E.

Chart 5606_6 [*previous update 4614/22*] ETRS89 DATUM

Insert			51° 32′·23N., 1° 01′·59E.
			51° 32′·33N., 1° 01′·56E.
		Obstm	51° 32′·38N., 1° 02′·78E.
		Wk	51° 34′·24N., 1° 09′·21E.
Replace		Wk with 	51° 32′·22N., 1° 01′·17E.

II

4785* ENGLAND - South Coast - Depths. Drying heights.

Source: Cattewater Harbour Commissioners

Chart 1901 [*previous update 3221/22*] ETRS89 DATUM

Insert	drying height, L_8	(a)	50° 21'·857N., 4° 07'·510W.
Delete	drying height, Q_6 , close NW of:	(a)	above
Insert	drying height, L_9	(b)	50° 21'·835N., 4° 07'·477W.
Delete	drying height, L_3 , close SE of:	(b)	above

Chart 1901 (Panel, Continuation of Cattewater) [*previous update 3221/22*] ETRS89 DATUM

Insert	drying height, 3_5		50° 21'·943N., 4° 06'·545W.
	drying height, L_8	(a)	50° 21'·857N., 4° 07'·510W.
Delete	drying height, Q_6 , close NW of:	(a)	above
Insert	drying height, L_9	(b)	50° 21'·835N., 4° 07'·477W.
Delete	drying height, L_3 , close SE of:	(b)	above
Insert	depth, 2, and extend 2m contour E to enclose		50° 21'·580N., 4° 07'·325W.
	depth, 3_5 , enclosed by 5m contour		50° 21'·583N., 4° 07'·256W.
	depth, 4_8 , enclosed by 5m contour	(c)	50° 21'·591N., 4° 07'·133W.
Delete	depth, 5_4 , close NE of:	(c)	above

Chart 1967 [*previous update 3221/22*] ETRS89 DATUM

Insert	drying height, 3_5		50° 21'·943N., 4° 06'·545W.
	drying height, L_8	(a)	50° 21'·857N., 4° 07'·510W.
Delete	drying height, Q_6 , close NW of:	(a)	above
Insert	drying height, L_9	(b)	50° 21'·835N., 4° 07'·477W.
Delete	drying height, L_3 , close SE of:	(b)	above
Insert	depth, 2, and extend 2m contour E to enclose		50° 21'·580N., 4° 07'·325W.
	depth, 3_5 , enclosed by 5m contour		50° 21'·583N., 4° 07'·256W.
	depth, 4_8 , enclosed by 5m contour		50° 21'·591N., 4° 07'·133W.

Chart 5602_15 (Panel A, Plymouth Sound Northeastern Part) [*previous update New Chart 18/11/2021*] ETRS89 DATUM

Insert	drying height, 3_5		50° 21'·943N., 4° 06'·545W.
	drying height, L_8	(a)	50° 21'·857N., 4° 07'·510W.
Delete	drying height, Q_6 , close NW of:	(a)	above
Insert	drying height, L_9	(b)	50° 21'·835N., 4° 07'·477W.
Delete	drying height, L_3 , close SE of:	(b)	above
Insert	depth, 2, and extend 2m contour E to enclose		50° 21'·580N., 4° 07'·325W.
	depth, 3_5 , enclosed by 5m contour		50° 21'·583N., 4° 07'·256W.
	depth, 4_8 , enclosed by 5m contour		50° 21'·591N., 4° 07'·133W.

II

4787* ENGLAND - East Coast - Well.

Source: Perenco

Chart 1408 [*previous update 4677/22*] WGS84 DATUM

Delete		Well	
			53° 06'·0N., 2° 28'·7E.

Chart 1503 (INT 1509) [*previous update 4516/22*] ETRS89 DATUM

Delete		Well	
			53° 06'·01N., 2° 28'·65E.

4794* ENGLAND - East Coast - Depths.

Source: Port of London Authority

Chart 1185 (INT 1572) [*previous update New Edition 25/08/2022*] ETRS89 DATUM

Insert	depth, 13 ₇		51° 30'·19N., 0° 32'·57E.
	depth, 13 ₆	(a)	51° 30'·13N., 0° 36'·42E.
Delete	depth, 13 ₈ , close E of:		(a) above
Replace	depth, 14 ₉ , with depth, 14 ₇		51° 30'·08N., 0° 35'·09E.
Delete	depth, 13 ₉		51° 30'·23N., 0° 32'·79E.

Chart 1186 (INT 1426) (Panel A, Canvey Island to Coalhouse Point) [*previous update 3903/22*] ETRS89 DATUM

Insert	depth, 13 ₈		51° 30'·189N., 0° 32'·496E.
	depth, 13 ₇	(a)	51° 30'·188N., 0° 32'·566E.
Delete	depth, 13 ₉ , close NE of:		(a) above
Insert	depth, 13 ₆	(b)	51° 30'·134N., 0° 36'·423E.
Delete	depth, 13 ₈ , close E of:		(b) above
Insert	depth, 10 ₇	(c)	51° 30'·027N., 0° 36'·424E.
Delete	depth, 10 ₉ , close SE of:		(c) above
Replace	depth, 14 ₉ , with depth, 14 ₇		51° 30'·080N., 0° 35'·091E.

Chart 5606_8 [*previous update New Edition 03/11/2022*] ETRS89 DATUM

Insert	depth, 13 ₇		51° 30'·19N., 0° 32'·57E.
	depth, 13 ₆	(a)	51° 30'·13N., 0° 36'·42E.
Delete	depth, 13 ₈ , close E of:		(a) above
Replace	depth, 14 ₉ , with depth, 14 ₇		51° 30'·08N., 0° 35'·09E.
Delete	depth, 13 ₉		51° 30'·23N., 0° 32'·79E.

II

4810* ENGLAND - South Coast - Light-beacons. Buoy.

Source: ABP Southampton Notice 62/22

Chart 2041 (INT 1733) [*previous update New Edition 06/10/2022*] ETRS89 DATUM







Insert	 Q.R. Bury	50° 54'·202N., 1° 27'·297W.
	 Q.R. SG 10	(a) 50° 54'·269N., 1° 27'·454W.
Delete	 Q.R. Swinging Ground '10', close NE of:	(a) above

Chart 5600_11 [*previous update 2652/22*] ETRS89 DATUM

Insert	 Q.R. Bury	50° 54'·202N., 1° 27'·297W.
	 Q.R. SG 10	(a) 50° 54'·269N., 1° 27'·454W.
Delete	 Q.R. Swinging Ground '10', close NE of:	(a) above

4813* SCOTLAND - East Coast - Depths. Drying heights.

Source: mv Northern Wind

Chart 175 [*previous update 4071/22*] ETRS89 DATUM

Insert	depth, 4 ₅ , and extend 5m contour SE to enclose	(a) 56° 17'·38N., 2° 34'·14W.
Delete	depth, 6 ₇ , close NE of:	(a) above
Insert	depth, 1, enclosed by 2m contour	56° 17'·42N., 2° 35'·22W.
	depth, 11 ₇	(b) 56° 18'·70N., 2° 36'·84W.
Delete	depth, 13 ₆ , close W of:	(b) above
Insert	depth, 8 ₄	(c) 56° 18'·88N., 2° 37'·31W.
Delete	depth, 9, close W of:	(c) above
Insert	depth, 10 ₄	(d) 56° 18'·97N., 2° 37'·51W.
Delete	depth, 13 ₉ , close N of:	(d) above
Insert	drying height, 1, enclosed by 0m low water line	56° 19'·23N., 2° 39'·82W.

Chart 190 [*previous update 4629/22*] ETRS89 DATUM

Insert	depth, 4 ₅ , and extend 5m contour SE to enclose	(a) 56° 17'·38N., 2° 34'·14W.
Delete	depth, 6 ₇ , close NE of:	(a) above
Insert	depth, 1, enclosed by 2m contour	56° 17'·42N., 2° 35'·22W.
	depth, 11 ₇	(b) 56° 18'·70N., 2° 36'·84W.
Delete	depth, 13 ₆ , close W of:	(b) above
Insert	depth, 8 ₄	(c) 56° 18'·88N., 2° 37'·31W.
Delete	depth, 9, close W of:	(c) above
Insert	depth, 10 ₄	(d) 56° 18'·97N., 2° 37'·51W.
Delete	depth, 13 ₉ , close N of:	(d) above
Insert	drying height, 1, enclosed by 0m low water line	56° 19'·23N., 2° 39'·82W.
	drying height, 1 ₈ , enclosed by 0m low water line	56° 19'·75N., 2° 42'·70W.
Replace	depth, 3 ₃ , with depth, 2 ₄	56° 19'·65N., 2° 40'·95W.

II

4813* SCOTLAND - East Coast - Depths. Drying heights. (continued)

Chart 1407 (INT 1505) [*previous update 4703/22*] ETRS89 DATUM

Insert	depth, 4 ₅ , enclosed by 5m contour	(a) 56° 17'·38N., 2° 34'·14W.
Delete	depth, 6 ₇ , close NE of:	(a) above

Chart 5615_3 [*previous update 4579/22*] ETRS89 DATUM

Insert	depth, 4 ₅ , enclosed by 5m contour	(a) 56° 17'·38N., 2° 34'·14W.
Delete	depth, 6 ₇ , close NE of:	(a) above

Chart 5617_1 [*previous update 4629/22*] ETRS89 DATUM

Insert	depth, 4 ₅ , and extend 5m contour SE to enclose	(a) 56° 17'·38N., 2° 34'·14W.
Delete	depth, 6 ₇ , close NE of:	(a) above
Insert	depth, 1, enclosed by 2m contour	56° 17'·42N., 2° 35'·22W.
	depth, 11 ₇	(b) 56° 18'·70N., 2° 36'·84W.
Delete	depth, 13 ₆ , close W of:	(b) above
Insert	depth, 8 ₄	(c) 56° 18'·88N., 2° 37'·31W.
Delete	depth, 9, close W of:	(c) above
Insert	depth, 10 ₄	(d) 56° 18'·97N., 2° 37'·51W.
Delete	depth, 13 ₉ , close N of:	(d) above
Insert	drying height, L, enclosed by 0m low water line	56° 19'·23N., 2° 39'·82W.
	drying height, L ₈ , enclosed by 0m low water line	56° 19'·75N., 2° 42'·70W.
Replace	depth, 3 ₃ , with depth, 2 ₄	56° 19'·65N., 2° 40'·95W.

4833* SCOTLAND - West Coast - Light-beacons. Beacons. Lights.

Source: MOD BUTEC

Note: 136·5° Leading line remains unchanged

Chart 1757 (INT 1630) [*previous update New Edition 20/10/2022*] ETRS89 DATUM

Replace	★ Iso & Q.WRG with 	57° 34'·32N., 5° 57'·90W.
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Chart 2210 [*previous update New Edition 17/03/2022*] ETRS89 DATUM













Replace	 Q.R.3m3M with  symbol, white and orange light-beacon, Q.WRG.3m4/3M No 9 and associated sectors with symbol, white and orange beacon	57° 34'·60N., 5° 58'·01W.
	 Iso.6s28m5M No 10 with 	57° 34'·41N., 5° 58'·08W.
	 Iso.6s28m5M No 10 with 	57° 34'·32N., 5° 57'·91W.

Chart 2479 [*previous update New Edition 10/03/2022*] ETRS89 DATUM

Replace	 Q.R.3m3M with  symbol, white and orange light-beacon, Q.WRG.3m4-3M No 9 and associated sectors with symbol, white and orange beacon	57° 34'·60N., 5° 58'·01W.
	 Iso.6s28m5M No 10 with 	57° 34'·41N., 5° 58'·08W.
	 Iso.6s28m5M No 10 with 	57° 34'·32N., 5° 57'·91W.
Delete	★ 2F.R(vert)	57° 34'·66N., 5° 57'·93W.

II

4833* SCOTLAND - West Coast - Light-beacons. Beacons. Lights. (continued)

Chart 2534 (Panel B, Loch A' Bhràige) [*previous update New Edition 10/03/2022*] ETRS89 DATUM

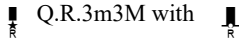


Replace	 symbol, orange and white light-beacon, Q.WRG.3m4-3M No 9 and associated sectors with symbol, orange and white beacon	57° 34'·596N., 5° 58'·007W. 57° 34'·415N., 5° 58'·078W.
		57° 34'·322N., 5° 57'·913W.
Delete		57° 34'·657N., 5° 57'·925W.

Chart 5616_7 (Panel A, Inner Sound and Sound of Raasay - Northern Part) [*previous update New Edition 09/06/2022*] ETRS89 DATUM

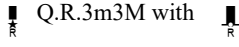

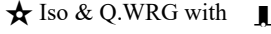
Replace	 symbol, white and orange light-beacon, Q.WRG.3m4/3M No 9 and associated sectors with symbol, white and orange beacon	57° 34'·60N., 5° 58'·01W. 57° 34'·41N., 5° 58'·08W.
		57° 34'·32N., 5° 57'·91W.

Chart 5616_9 [*previous update 1946/22*] ETRS89 DATUM

Replace		57° 34'·32N., 5° 57'·90W.
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4844* ENGLAND - East Coast - Depths.

Source: Port of London Authority

Chart 1186 (INT 1426) (Panel A, Canvey Island to Coalhouse Point) [*previous update 4794/22*] ETRS89 DATUM

Insert	depth, 7 ₂	(a) 51° 27'·428N., 0° 26'·391E.
Delete	depth, 8 ₂ , close SE of:	(a) above

Chart 1186 (INT 1426) (Panel B, Coalhouse Point to Tilbury) [*previous update 4794/22*] ETRS89 DATUM

Insert	depth, 8 ₇	(a) 51° 26'·897N., 0° 23'·270E.
Delete	depth, 8 ₈ , close S of:	(a) above
Insert	depth, 7 ₄	(b) 51° 26'·875N., 0° 23'·377E.
Delete	depth, 7 ₅ , close E of:	(b) above
Insert	depth, 8	(c) 51° 26'·890N., 0° 23'·509E.
Delete	depth, 8 ₅ , close SE of:	(c) above
Insert	depth, 8 ₅	(d) 51° 26'·897N., 0° 23'·658E.
Delete	depth, 8 ₆ , close SW of:	(d) above

4846* WALES - North Coast - Buoy.

Source: Trinity House Notice 38/22

Chart 1953 [*previous update 1381/22*] ETRS89 DATUM


Move	 Q.R Hoyle, from:	53° 23'·14N., 3° 21'·38W.
	to:	53° 23'·30N., 3° 21'·50W.

II

4802 RUSSIA - White Sea Coast - Submarine cable.


Source: Russian Notices 37/4043-4044/22 and 37/4047-4048/22

Chart 2269 [*previous update 2223/22*] PULKOVO 1942 DATUM

Insert submarine cable, , joining:


67° 35'·0N., 41° 39'·5E.
67° 38'·4N., 41° 39'·6E.
67° 39'·5N., 41° 29'·7E.
67° 48'·0N., 41° 18'·2E.
67° 48'·1N., 41° 07'·7E.
68° 08'·6N., 40° 03'·2E.
68° 19'·2N., 39° 23'·1E.
68° 23'·8N., 39° 00'·0E.
68° 36'·1N., 38° 34'·3E.
69° 16'·3N., 36° 23'·1E.
69° 16'·4N., 35° 55'·4E.
69° 18'·2N., 35° 55'·0E.
69° 22'·7N., 35° 08'·0E.

Chart 2270 [*previous update 593/22*] PULKOVO 1942 DATUM

Insert submarine cable, , joining:


66° 53'·70N., 41° 40'·91E.
66° 56'·90N., 41° 44'·20E.
67° 12'·30N., 41° 39'·00E.
67° 38'·40N., 41° 39'·60E.
67° 39'·47N., 41° 29'·68E.
67° 47'·95N., 41° 18'·15E.
67° 48'·10N., 41° 07'·70E.
67° 58'·15N., 40° 36'·42E.

Chart 2271 [*previous update 650/21*] PULKOVO 1942 DATUM

Insert submarine cable, , joining:

66° 02'·29N., 40° 00'·30E.
66° 04'·98N., 40° 10'·00E.
66° 04'·44N., 40° 21'·16E.
66° 19'·60N., 40° 49'·10E.
66° 38'·59N., 41° 25'·34E.
66° 56'·90N., 41° 44'·20E.
67° 02'·75N., 41° 42'·25E.

Chart 2272 [*previous update 1647/21*] UNDETERMINED DATUM

Insert submarine cable, , joining:

65° 11'·70N., 39° 05'·83E.
65° 34'·71N., 39° 04'·77E.
65° 46'·53N., 39° 05'·24E.
66° 05'·00N., 40° 09'·76E.
66° 04'·42N., 40° 21'·04E.
66° 19'·25N., 40° 48'·30E.

II

4802 RUSSIA - White Sea Coast - Submarine cable. (continued)

Chart 2273 [*previous update 1985/21*] PULKOVO 1942 DATUM

Insert submarine cable, ~~~, joining:

64° 33'·30N., 39° 40'·20E.
64° 37'·31N., 39° 38'·84E.
64° 39'·70N., 39° 33'·20E.
64° 57'·08N., 39° 06'·70E.
65° 34'·70N., 39° 04'·93E.
65° 38'·94N., 39° 05'·20E.

Chart 2333 [*previous update 2991/22*] WGS84 DATUM

Insert submarine cable, ~~~, joining:

69° 17'·76N., 33° 32'·62E.
69° 18'·69N., 33° 33'·41E.
69° 19'·43N., 33° 37'·18E.
69° 21'·87N., 33° 40'·11E.
69° 23'·03N., 33° 36'·99E.
69° 29'·61N., 33° 56'·51E.
69° 28'·12N., 34° 03'·81E.
69° 28'·21N., 34° 10'·31E.
69° 26'·21N., 34° 10'·31E.
69° 25'·39N., 34° 31'·81E.
69° 25'·44N., 34° 39'·52E.
69° 18'·23N., 35° 54'·82E.
69° 16'·41N., 35° 55'·23E.
69° 16'·41N., 36° 11'·59E.

4776 SWEDEN - West Coast - Depth.

Source: Swedish Notice 935/17181/22

Chart 858 (INT 1316) [*previous update 3858/22*] WGS84 DATUM

Insert depth, 16₅ 57° 40'·80N., 11° 41'·11E.

4779 SWEDEN - East Coast - Beacon. Light.

Source: Swedish Notice 935/17163/22

Chart 889 (INT 1777) (Panel C, Granön) [*previous update 3838/22*] WGS84 DATUM

Replace  with  F WRG 60° 10'·44N., 18° 28'·94E.

Chart 889 (INT 1777) [*previous update 3838/22*] WGS84 DATUM

Replace  with  F WRG 60° 10'·44N., 18° 28'·94E.

II

4803 BALTIC SEA - Submarine pipeline. Legends.

Source: Danish Chart Correction 23/242/22, Swedish Notice 903/16592/22 and Polish Notice 2-3/17/22

Note: Former Notice 2425(P)/21 is cancelled.

Chart 958 (INT 1336) [previous update 4438/22] WGS84 DATUM


Insert	submarine pipeline,  , joining:	(a) 55° 06'·26N., 14° 01'·88E. (b) 55° 06'·33N., 14° 18'·34E. (c) 55° 05'·86N., 14° 20'·53E. (d) 55° 01'·54N., 14° 35'·31E. 55° 00'·35N., 14° 37'·55E. 54° 59'·83N., 14° 38'·04E. 54° 59'·09N., 14° 39'·29E. (e) 54° 57'·96N., 14° 42'·47E. (f) 54° 54'·00N., 14° 50'·40E. (a)-(b) above (c)-(d) above (e)-(f) above
	legend, <i>Gas</i> (see Note), along:	

Chart 2014 (INT 1219) [previous update 4438/22] WGS84 DATUM


Insert	submarine pipeline,  , joining:	(a) 55° 06'·29N., 13° 55'·00E. (b) 55° 06'·14N., 14° 19'·29E. 55° 00'·96N., 14° 36'·35E. 54° 58'·73N., 14° 40'·29E. 54° 54'·00N., 14° 50'·40E. 54° 52'·91N., 14° 51'·93E. 54° 51'·49N., 14° 52'·33E. (c) 54° 49'·93N., 14° 51'·52E. (d) 54° 41'·95N., 14° 49'·71E. (e) 54° 30'·00N., 14° 52'·89E. (f) 54° 08'·07N., 15° 08'·11E. 54° 06'·74N., 15° 08'·67E. (a)-(b) above (c)-(d) above (e)-(f) above
	legend, <i>Baltic Pipe</i> , along:	

Chart 2015 (INT 1201) [previous update 3884/22] WGS84 DATUM

Amend	legend to, <i>Gas Baltic Pipe</i> , centred on:	55° 08'·82N., 12° 42'·92E. 55° 06'·71N., 13° 41'·54E.
	legend to, <i>Baltic Pipe</i> , centred on:	54° 36'·59N., 14° 51'·14E.

II

4803 BALTIC SEA - Submarine pipeline. Legends. (continued)

Chart 2018 (INT 1202) [previous update 4092/22] WGS84 DATUM


Insert	submarine pipeline,  , joining:	55° 06'·56N., 13° 45'·00E. (a) 55° 06'·28N., 13° 51'·45E. (b) 55° 06'·33N., 14° 18'·34E. 55° 01'·54N., 14° 35'·31E. 55° 00'·20N., 14° 37'·69E. 54° 59'·12N., 14° 39'·22E. (c) 54° 57'·96N., 14° 42'·47E. (d) 54° 53'·94N., 14° 50'·48E. 54° 52'·91N., 14° 51'·93E. 54° 51'·49N., 14° 52'·33E. 54° 49'·93N., 14° 51'·52E. 54° 43'·00N., 14° 49'·82E. (a)-(b) above (c)-(d) above
	legend, <i>Gas</i> , along:	

Chart 2115 [previous update 2222/22] WGS84 DATUM


Insert	submarine pipeline,  , joining:	55° 11'·28N., 12° 07'·59E. 55° 10'·61N., 12° 13'·74E. 55° 10'·36N., 12° 14'·64E. (a) 55° 09'·72N., 12° 21'·38E. (b) 55° 08'·63N., 12° 47'·14E. 55° 08'·67N., 12° 49'·63E. (c) 55° 07'·73N., 13° 05'·00E. (d) 55° 07'·50N., 13° 14'·33E. 55° 07'·50N., 13° 20'·35E. 55° 07'·44N., 13° 22'·00E. (a)-(b) above (c)-(d) above
	legend, <i>Gas</i> , along:	

Chart 2679 [previous update 3012/22] WGS84 DATUM



Insert	submarine pipeline,  , joining:	(a) 54° 25'·00N., 14° 56'·25E. (b) 54° 13'·93N., 15° 04'·00E. (a)-(b) above
	legend, <i>Baltic Pipe</i> , along:	

Chart 2816 [previous update 4092/22] WGS84 DATUM

Insert	submarine pipeline,  , joining:	55° 11'·3N., 12° 07'·6E. 55° 09'·7N., 12° 21'·3E. 55° 06'·7N., 13° 41'·5E. (a) 55° 06'·1N., 14° 19'·0E. (b) 55° 00'·6N., 14° 37'·1E. 54° 52'·9N., 14° 51'·9E. 54° 51'·5N., 14° 52'·3E. 54° 49'·9N., 14° 51'·5E. 54° 42'·0N., 14° 49'·7E. 54° 29'·5N., 14° 53'·1E. 54° 13'·0N., 15° 04'·6E. (a)-(b) above
	legend, <i>Gas</i> , along:	

II

4830 DENMARK - Islands - Buoy. NM Blocks.

Source: Danish Chart Corrections 24/248-249/22 and 24/252-255/22

Chart 938 (INT 1369) [previous update 4191/22] WGS84 DATUM

Move	\uparrow	, from:	
		to:	55° 09'·96N., 11° 15'·82E.
			55° 10'·50N., 11° 16'·30E.

Chart 2106 (INT 1303) [previous update 4191/22] WGS84 DATUM

Insert		the accompanying block, centred on:	55° 31'·2N., 11° 03'·4E.
Move	\uparrow	, from:	
		to:	55° 09'·95N., 11° 15'·82E.
			55° 10'·50N., 11° 16'·30E.

Chart 2583 [previous update 4191/22] WGS84 DATUM

Move	\uparrow	, from:	
		to:	55° 09'·92N., 11° 15'·75E.
			55° 10'·50N., 11° 16'·30E.

Chart 2596 (INT 1370) [previous update 4191/22] WGS84 DATUM

Insert		the accompanying block, centred on:	55° 31'·6N., 11° 03'·7E.
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Chart 2597 (INT 1368) [previous update 4191/22] WGS84 DATUM

Move	\uparrow	, from:	
		to:	55° 09'·96N., 11° 15'·82E.
			55° 10'·50N., 11° 16'·30E.

4778* GERMANY - North Sea Coast - Depths.

Source: WSA Elbe-Nordsee, Survey 84665/22

Chart DE 46 (INT 1453) [previous update 4715/22] WGS84 DATUM

Insert	depth, 7		(a) 53° 46'·26N., 9° 23'·17E.
Delete	depth, 7 ₈ , close N of:		(a) above
Insert	depth, 8 ₂		(b) 53° 46'·17N., 9° 23'·31E.
Delete	depth, 9, close S of:		(b) above

Chart DE 47 (INT 1454) [previous update 4478/22] WGS84 DATUM

Insert	depth, 7		(a) 53° 46'·26N., 9° 23'·17E.
Delete	depth, 7 ₈ , close N of:		(a) above
Insert	depth, 8 ₂		(b) 53° 46'·17N., 9° 23'·31E.
Delete	depth, 9, close S of:		(b) above

II

4781* GERMANY - North Sea Coast - Depths.

Source: WSA Weser-Jade-Nordsee, Survey 84704, 84706/22

Chart DE 4 (INT 1457) (Panel B, Bremerhaven) [*previous update 4511/22*] WGS84 DATUM

Insert depth, 3₉, enclosed by 5m contour 53° 31'·337N., 8° 33'·090E.

Chart DE 4 (INT 1457) (Panel A, Reiherplate to Brake) [*previous update 4511/22*] WGS84 DATUM

Insert depth, 7₉ (a) 53° 22'·52N., 8° 30'·03E.

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

Insert depth, 8₃ (b) 53° 22'·43N., 8° 29'·85E.

Delete depth, 8₈, close S of: (b) above

Insert depth, 7₈ (c) 53° 21'·32N., 8° 29'·98E.

Delete depth, 8₆, close SW of: (c) above

Chart DE 5 (INT 1458) (Panel B, Brake) [*previous update New Edition 01/09/2022*] WGS84 DATUM

Insert depth, 7₈ (a) 53° 21'·320N., 8° 29'·980E.

Delete depth, 8₆, close SW of: (a) above

Chart DE 5 (INT 1458) (Panel A, Brake to Vegesack) [*previous update New Edition 01/09/2022*] WGS84 DATUM

Insert depth, 7₈ (a) 53° 21'·32N., 8° 29'·98E.

Delete depth, 8₆, close SW of: (a) above

II

4782 NETHERLANDS - Maritime limits. Buoyage. Wreck.

Source: Netherlands Notices 44/317/22 and 44/319/22

Chart 120 (INT 1479) [previous update 4676/22] WGS84 DATUM



Insert	maritime limit, pecked line, joining:	<p>(a) 51° 26'·04N., 3° 59'·63E.</p> <p>(b) 51° 26'·10N., 3° 59'·54E.</p> <p style="text-align: center;">and</p> <p>(c) 51° 25'·46N., 4° 01'·36E.</p> <p>(d) 51° 25'·44N., 4° 01'·29E.</p>
Delete	former maritime limit, pecked line, joining:	<p>(c) above</p> <p>51° 25'·79N., 4° 00'·78E.</p> <p>51° 26'·06N., 4° 00'·02E.</p> <p>(b) above</p> <p style="text-align: center;">and</p> <p>(a) above</p> <p>(e) 51° 26'·04N., 3° 59'·99E.</p> <p>(f) 51° 25'·77N., 4° 00'·75E.</p> <p>(d) above</p> <p>(e) above</p> <p>(f) above</p>
	 F 47A	
	 F 49	

Chart 120 (INT 1479) (Panel A, Continuation to Nauw van Bath) [previous update 4676/22] WGS84 DATUM

Replace	 Wk with  Wk	51° 22'·70N., 4° 13'·15E.
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Chart 128 (INT 1478) (Panel A, Baalhoek to Antwerp) [previous update 4275/22] WGS84 DATUM

Replace	 Wk with  Wk	51° 22'·70N., 4° 13'·15E.
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





4845 NETHERLANDS - Fouls. Wells. Wrecks.

Source: Netherlands Notice 44/315/22

Chart 1406 [previous update 3793/22] WGS84 DATUM

Replace	 Wk with  Wk	52° 14'·82N., 3° 09'·00E.
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Chart 1408 [previous update 4787/22] WGS84 DATUM

Insert	#	<p>52° 32'·6N., 3° 28'·9E.</p> <p>52° 27'·3N., 3° 27'·3E.</p> <p>52° 23'·2N., 3° 21'·4E.</p>
	 Well	
Delete	 Well, close N of:	<p>(a) 52° 21'·3N., 3° 24'·4E.</p> <p>(a) above</p>
Replace	 Well with  Well	52° 25'·8N., 3° 21'·5E.
	 Wk with  Wk	52° 14'·8N., 3° 09'·0E.

II

4845 NETHERLANDS - Fouls. Wells. Wrecks. (continued)

Chart 1504 (INT 1510) [previous update 3912/22] ETRS89 DATUM







Insert	#	52° 27'·28N., 3° 27'·25E. 52° 23'·19N., 3° 21'·44E. 52° 14'·62N., 3° 08'·60E. 52° 14'·45N., 3° 08'·84E.
Replace	well out of position,   with   with 	52° 21'·34N., 3° 24'·40E. 52° 25'·82N., 3° 21'·46E. 52° 14'·82N., 3° 09'·00E.
Delete	# 	52° 21'·87N., 3° 25'·00E. 52° 21'·73N., 3° 24'·41E.

Chart 1630 (INT 1416) [previous update 4592/22] WGS84 DATUM




Insert	well out of position,  #	52° 21'·34N., 3° 24'·40E. 52° 14'·39N., 3° 08'·80E.
Replace	 with 	52° 14'·82N., 3° 09'·00E.

Chart 1631 (INT 1418) [previous update 4677/22] WGS84 DATUM

Insert	#	52° 32'·46N., 3° 28'·87E. 52° 27'·28N., 3° 27'·25E. 52° 23'·19N., 3° 21'·44E.
Replace	well out of position,   with 	52° 21'·34N., 3° 24'·40E. 52° 25'·82N., 3° 21'·46E.
Delete	# 	52° 21'·87N., 3° 25'·00E. 52° 21'·73N., 3° 24'·38E.

4765 TURKEY - İstanbul Boğazi - Buoy.

Source: Turkish Notice 27/103/22

Chart 1159 [previous update 4095/22] WGS84 DATUM

Delete	 Fl(2)G.8s	41° 04'·56N., 29° 02'·72E.
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Chart 1198 [previous update 4095/22] WGS84 DATUM

Delete	 Fl(2)G.8s	41° 04'·56N., 29° 02'·72E.
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II

4768 TURKEY - South Coast - Restricted area.

Source: Turkish Notice 26/100/22

Chart 236 [*previous update 5904/20*] WGS84 DATUM

Insert	limit of restricted area, diving prohibited, joining:	36° 19'·9N., 30° 31'·5E. 36° 19'·5N., 30° 31'·9E. 36° 18'·7N., 30° 30'·1E. 36° 19'·2N., 30° 29'·4E.
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Chart 237 [*previous update 4088/22*] WGS84 DATUM

Insert	limit of restricted area, diving prohibited, joining:	36° 19'·9N., 30° 31'·5E. 36° 19'·5N., 30° 31'·9E. 36° 18'·7N., 30° 30'·1E. 36° 19'·2N., 30° 29'·4E.
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4812 FRANCE - South Coast - NM Blocks. Spoil ground. Legend.

Source: French Notice 37/90/22

Chart 155 (INT 3192) [*previous update 2164/22*] WGS84 DATUM

Insert	the accompanying block, centred on:	43° 21'·1N., 4° 57'·1E.
Delete	former limit of spoil ground, pecked line, and associated legend, <i>Spoil Ground</i> , joining:	43° 19'·19N., 4° 54'·98E. 43° 19'·24N., 4° 55'·58E. 43° 19'·84N., 4° 57'·03E. 43° 19'·79N., 4° 57'·93E. 43° 18'·79N., 4° 58'·38E. 43° 18'·54N., 4° 55'·23E.

Chart 2116 [*previous update 4355/22*] WGS84 DATUM

Insert	the accompanying block, centred on:	43° 20'·3N., 4° 56'·7E.
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4783 NIGERIA - Wrecks. Danger line.

Source: Nigerian Notices 3/22 and 5/22 and ENC NG525010



Chart 1381 [*previous update New Edition 24/02/2022*] WGS84 DATUM

Insert	 <i>Wk</i>	6° 22'·86N., 3° 22'·72E.
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II

4783 NIGERIA - Wrecks. Danger line. (continued)

Chart 2812 [*previous update 4432/22*] WGS84 DATUM

Insert		<p>6° 22'·861N., 3° 22'·724E.</p> <p>(a) 6° 27'·075N., 3° 23'·163E.</p> <p>(b) 6° 27'·059N., 3° 23'·165E.</p> <p>(c) 6° 27'·047N., 3° 23'·171E.</p> <p>(d) 6° 27'·038N., 3° 23'·185E.</p> <p>(e) 6° 27'·021N., 3° 23'·204E.</p> <p>(f) 6° 27'·006N., 3° 23'·237E.</p> <p>(g) 6° 26'·996N., 3° 23'·266E.</p> <p>(h) 6° 27'·008N., 3° 23'·297E.</p>
	danger line, dotted line, joining:	
	legend, <i>Numerous Wrecks</i> , within:	(a)-(h) above
Delete		6° 27'·016N., 3° 23'·232E.

4807 ANGOLA - Pilot boarding place.

Source: Portuguese Notice 6/221/22

Chart 3448 (Panel F, Porto de Luanda) [*previous update 5302/19*] CAMACUPA DATUM

Insert		8° 45'·42S., 13° 16'·98E.
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4800 RED SEA - Wreck.

Source: Hydropac 2882/22 and Navarea IX 406/22

Chart 157 (INT 7006) [*previous update 3126/20*] WSG84 DATUM

Insert	++	17° 15'·6N., 39° 56'·4E.
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Chart 158 (INT 7008) [*previous update 3998/22*] WSG84 DATUM

Insert	++	17° 15'·6N., 39° 56'·4E.
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Chart 164 (INT 7124) [*previous update New Edition 29/08/2013*] WSG84 DATUM

Insert	++	17° 15'·6N., 39° 56'·4E.
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II

4811 EGYPT - Red Sea Coast - Buoy. Light-float. Radar beacon.

Source: ENHD Notice 6/22

Chart 2133 (INT 7139) [*previous update 4618/21*] WGS84 DATUM

Insert  *LFl.10s6m9M No 1* (a) 29° 39'·62N., 32° 32'·42E.


Delete  *LFl.10s6m9M No 1* and associated radar beacon,
Racon(O), close S of: (a) above

Chart 2373 (INT 7136) [*previous update 4618/21*] WGS84 DATUM

Delete radar beacon, *Racon(O)* 29° 39'·47N., 32° 32'·43E.

Chart 5501 [*previous update 1613/16*] WGS84 DATUM

Delete radar beacon, *Racon* 29° 39'·5N., 32° 32'·4E.

4831 UNITED ARAB EMIRATES - NM Block.

Source: Ahmed Bin Rashid Port.



Chart 3405 (INT 7215) (Panel B, Umm Al Qaywayn) [*previous update 3398/22*] WGS84 DATUM

Insert the accompanying block, centred on: 25° 35'·9N., 55° 34'·7E.

4777 BURMA - Marine Reserve. Legend. Note.

Source: BNHOC Notice 24/22

Chart 90 [*previous update 2934/22*] WGS84 DATUM

Insert limit of marine reserve,  *MR* , joining:



(a) 20° 35'·2N., 92° 24'·0E.
 (b) 20° 36'·5N., 92° 23'·4E.
 (c) 20° 40'·7N., 92° 19'·5E.
 (d) 20° 42'·6N., 92° 20'·9E.
 (e) 20° 44'·5N., 92° 19'·9E.
 (f) 20° 46'·9N., 92° 13'·1E.
 (g) 20° 34'·1N., 91° 49'·3E.
 (h) 20° 30'·0N., 91° 52'·0E.

Replace legend, *MARINE NATURE RESERVE* (*see Note*), centred on: (a)-(h) above
 the existing note with the accompanying note, *MARINE NATURE RESERVES*, centred on: 21° 41'·9N., 92° 17'·9E.

II

4777 BURMA - Marine Reserve. Legend. Note. (continued)

Chart 817 (INT 7430) [*previous update 2501/22*] WGS84 DATUM

Insert limit of marine reserve,  *MR* , joining:

- (a) 20° 43'·3N., 92° 20'·6E.
- (b) 20° 42'·6N., 92° 21'·0E.
- (c) 20° 40'·7N., 92° 19'·5E.
- (d) 20° 36'·5N., 92° 23'·4E.
- (e) 20° 33'·1N., 92° 25'·0E.
- (f) 20° 26'·7N., 92° 23'·8E.
- (g) 20° 23'·8N., 92° 20'·4E.
- (h) 20° 24'·5N., 92° 14'·8E.
- (i) 20° 28'·2N., 92° 09'·9E.
- (j) 20° 21'·5N., 91° 57'·7E.
- (k) 20° 34'·1N., 91° 49'·3E.
- (l) 20° 46'·9N., 92° 13'·2E.
- (m) 20° 44'·9N., 92° 19'·0E.

legend, *Marine Nature Reserve* (see Note), within:
the accompanying note block, centred on:

(a)-(m) above
20° 41'·7N., 93° 42'·8E.

4805 INDIA - West Coast - Wreck.

Source: Indian Notice 12/120/22

Chart IN 22 (INT 752) [*previous update 4525/22*] WGS84 DATUM

Insert  *PA*

15° 44'·0N., 73° 34'·0E.

Chart IN 214 [*previous update 2326/21*] WGS84 DATUM

Insert  *PA*

15° 44'·00N., 73° 34'·00E.

Chart IN 257 (INT 7343) [*previous update 2326/21*] WGS84 DATUM

Insert  *PA*

15° 44'·0N., 73° 34'·0E.

Chart IN 293 (INT 7022) [*previous update 687/22*] INDIAN DATUM

Insert  *PA*

15° 43'·9N., 73° 34'·0E.

II

4832 INDIA - East Coast - Wreck.

Source: Indian Notice 12/121/22

Chart IN 32 (INT 754) [*previous update 4525/22*] WGS84 DATUM

Insert  PA 12° 33'·4N., 80° 18'·4E.

Chart IN 33 (INT 755) [*previous update 2893/22*] WGS84 DATUM

Insert  PA 12° 33'·4N., 80° 18'·4E.

Chart IN 313 [*previous update 2730/22*] WGS84 DATUM

Insert  PA 12° 33'·40N., 80° 18'·35E.

Chart 2069 [*previous update 2808/22*] WGS84 DATUM

Insert  PA 12° 33'·4N., 80° 18'·4E.

Chart 4706 (INT 706) [*previous update 4167/22*] WGS84 DATUM

Insert  PA 12° 33'·4N., 80° 18'·4E.

4808 INDONESIA - Sumatera - NM Block. Leading line.

Source: Indonesian Notice 20/220/22 and ENC ID400053

Chart 3471 (Panel, Pelabuhan Pangkalbalam) [*previous update 4528/22*] WGS84 DATUM

Insert the accompanying block, centred on: 2° 05'·9S., 106° 11'·3E.

Delete leading line, pecked line and firm line, and associated legend
Pau 230°, extending in direction 50°, from: 2° 10'·96S., 106° 06'·62E.

4837 INDONESIA - Sumatera - NM Block. Anchorage areas. Recommended track.

Source: Indonesian Notice 31/364/22

Chart 3920 [*previous update 1652/22*] WGS84 DATUM

Insert the accompanying block, centred on: 4° 12'·5N., 98° 21'·8E.

Chart 3921 [*previous update 1854/22*] WGS84 DATUM

Insert limit of anchorage area, pecked line, joining: 4° 15'·82N., 98° 22'·00E.
4° 17'·82N., 98° 22'·00E.
4° 17'·82N., 98° 23'·01E.
4° 15'·82N., 98° 23'·01E.
and

4° 14'·80N., 98° 23'·77E.
4° 17'·85N., 98° 23'·77E.
4° 17'·85N., 98° 24'·76E.
4° 14'·80N., 98° 24'·77E.
two-way recommended track, pecked line, joining: 4° 13'·21N., 98° 23'·43E.
4° 11'·49N., 98° 22'·21E.
4° 10'·54N., 98° 21'·00E.

II

4769 THAILAND - Gulf of Thailand Coast - Fish havens.
Source: Thai Notice 9/2565 (2022)

Chart 3942 [*previous update 3466/22*] WGS84 DATUM

Insert



7° 28'·26N., 99° 13'·44E.

7° 14'·33N., 99° 18'·36E.

Chart 3961 [*previous update 1079/22*] WGS84 DATUM

Insert



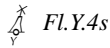
6° 54'·99N., 101° 27'·21E.

6° 27'·85N., 101° 58'·53E.

4770 THAILAND - Gulf of Thailand Coast - Buoyage.
Source: Thai Notice 10/2565 (2022)

Chart 986 [*previous update 1901/22*] WGS84 DATUM

Insert



13° 03'·89N., 100° 51'·77E.

13° 02'·95N., 100° 50'·37E.

13° 00'·88N., 100° 52'·18E.

13° 01'·08N., 100° 54'·54E.

13° 02'·04N., 100° 54'·93E.

Chart 1046 [*previous update 4049/22*] WGS84 DATUM

Insert



13° 03'·89N., 100° 51'·77E.

13° 02'·95N., 100° 50'·37E.

13° 00'·87N., 100° 52'·19E.

4775 CHINA - South Coast - Depths. Buoyage.
Source: Chinese Charts 15732, 15733, 15741

Chart 3348 [*previous update 3491/22*] CGCS 2000 DATUM

Insert

depth, 22₅

(a) 21° 02'·21N., 110° 44'·45E.

Delete

depth, 21₅, close SE of:

(a) above

Insert

depth, 21₇

(b) 21° 01'·88N., 110° 46'·77E.

Delete

depth, 21₅, close NE of:

(b) above




II

4775 CHINA - South Coast - Depths. Buoyage. (continued)

Chart 3351 [previous update 2942/22] CGCS 2000 DATUM

Insert	depth, 21 ₅ , and extend 20m contour SE to enclose	(a)	21° 03'·46N., 110° 35'·99E.
Delete	depth, 19, close SE of:	(a)	above
Insert	depth, 22 ₁ , and extend 20m contour N to enclose	(b)	21° 03'·21N., 110° 36'·59E.
Delete	depth, 19 ₉ , close W of:	(b)	above
Insert	depth, 21 ₂	(c)	21° 02'·81N., 110° 38'·80E.
Delete	depth, 19 ₂ , and associated contour, close SW of:	(c)	above
Insert	depth, 21 ₇	(d)	21° 02'·62N., 110° 40'·36E.
Delete	depth, 20 ₁ , close E of:	(d)	above
Insert	depth, 21 ₇	(e)	21° 02'·43N., 110° 42'·02E.
Delete	depth, 20 ₆ , close W of:	(e)	above
Insert	depth, 21 ₇	(f)	21° 02'·32N., 110° 43'·75E.
Delete	depth, 19 ₈ , and associated contour, close E of:	(f)	above
Insert	depth, 22 ₅	(g)	21° 02'·21N., 110° 44'·45E.
Delete	depth, 20 ₉ , close SE of:	(g)	above
Insert	depth, 21 ₇	(h)	21° 01'·88N., 110° 46'·77E.
Delete	depth, 21 ₂ , close NE of:	(h)	above
	depth, 21 ₃ , close W of:	(h)	above
Insert	depth, 15 ₅	(i)	21° 03'·37N., 110° 36'·42E.
Delete	depth, 17 ₁ , close W of:	(i)	above
Insert	depth, 22	(j)	21° 03'·12N., 110° 36'·81E.
Delete	depth, 20 ₅ , close S of:	(j)	above
Insert	depth, 22 ₁	(k)	21° 02'·30N., 110° 43'·27E.
Delete	depth, 20 ₉ , close E of:	(k)	above
Replace	depth, 21, with depth, 22 ₂		21° 02'·96N., 110° 37'·37E.
	depth, 20 ₆ , with depth, 21 ₆		21° 02'·37N., 110° 42'·57E.

Chart 3363 [previous update 3658/22] CGCS 2000 DATUM

Insert	 Fl(2)G.6s Z7		21° 03'·89N., 110° 26'·98E.
	 Fl.G.4s Z6		21° 03'·95N., 110° 27'·15E.
	 Fl(3)G.10s Z5		21° 03'·99N., 110° 27'·28E.
	depth, 21 ₅ , and extend 20m contour SE to enclose	(a)	21° 03'·46N., 110° 35'·99E.
Delete	depth, 19, close SE of:	(a)	above
Insert	depth, 15 ₅	(b)	21° 03'·37N., 110° 36'·42E.
Delete	depth, 17 ₁ , close SW of:	(b)	above
Insert	depth, 9 ₆ , enclosed by 10m contour	(c)	21° 03'·17N., 110° 36'·19E.
Delete	depth, 10 ₃ , close S of:	(c)	above
Insert	depth, 22 ₁ , and extend 20m contour N to enclose	(d)	21° 03'·21N., 110° 36'·59E.
Delete	depth, 19 ₉ , close W of:	(d)	above
Insert	depth, 22	(e)	21° 03'·12N., 110° 36'·81E.
Delete	depth, 20 ₅ , close S of:	(e)	above
Insert	depth, 22 ₂	(f)	21° 02'·96N., 110° 37'·37E.
Delete	depth, 21, close E of:	(f)	above

II

4775 CHINA - South Coast - Depths. Buoyage. (continued)

Chart 3364 [*previous update New Edition 28/07/2022*] CGCS 2000 DATUM

Insert	depth, 14 ₈	(a)	21° 18'·16N., 110° 25'·04E.
Delete	depth, 13 ₅ , close S of:		(a) above
Insert	depth, 8 ₇	(b)	21° 17'·60N., 110° 25'·00E.
Delete	depth, 9 ₆ , close N of:		(b) above
Insert	depth, 0 ₂ , enclosed by 2m contour		21° 15'·38N., 110° 24'·39E.
	depth, 4 ₇ , and extend 5m contour NE to enclose		21° 14'·39N., 110° 25'·33E.
	depth, 6 ₄	(c)	21° 17'·77N., 110° 24'·99E.
Delete	depth, 8 ₂ , close SE of:		(c) above
Replace	depth, 2 ₉ , with depth, 1 ₃		21° 17'·99N., 110° 24'·99E.
Delete	depth, 9 ₇ , and associated 10m contour		21° 13'·23N., 110° 25'·91E.
	depth, 9 ₂ , and associated 10m contour		21° 13'·03N., 110° 25'·73E.

4780 CHINA - South Coast - Buoyage.

Source: Chinese Notice 37/1292/22

Chart 1555 [*previous update 4752/22*] CGCS 2000 DATUM

Insert	 Fl(2)5s No1		21° 05'·7N., 111° 38'·9E.
	 Fl(2)5s No2		21° 06'·6N., 111° 39'·9E.

Chart 3892 [*previous update 4574/22*] CGCS 2000 DATUM

Insert	 Fl(2)5s No1		21° 05'·7N., 111° 38'·9E.
	 Fl(2)5s No2		21° 06'·6N., 111° 39'·9E.

4790 CHINA - South Coast - NM Block.

Source: UKHO

Chart 344 [*previous update 4267/22*] CGCS 2000 DATUM

Insert	the accompanying block, centred on:		22° 46'·1N., 112° 39'·0E.
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II

4801 CHINA - Yellow Sea Coast - Wreck.

Source: Chinese Notice 40/1380/22

Chart 1254 [previous update New Edition 14/07/2022] CGCS 2000 DATUM

Insert  37° 03'·3N., 122° 59'·0E.

Chart 1256 [previous update 4731/22] WGS84 DATUM


Insert  37° 03'·3N., 122° 59'·0E.

Chart 1289 [previous update 3975/22] CGCS 2000 DATUM


Insert  37° 03'·28N., 122° 58'·99E.

Chart 3480 [previous update 4784/22] WGS84 DATUM

Insert  37° 03'·3N., 122° 59'·0E.

4804 TAIWAN - Buoyage.


Source: UKHO

Chart 3235 [previous update 3927/22] WGS84 DATUM

Insert  Fl.Y.4s ODAS (a) 24° 56'·95N., 121° 55'·50E.

Delete  Fl.R.4s, close E of: (a) above

Chart 3658 [previous update 4207/22] WGS84 DATUM

Insert  Fl.Y.4s ODAS (a) 24° 56'·95N., 121° 55'·50E.

Delete  Fl.R.4s, close E of: (a) above

4816 JAPAN - Seto Naikai - NM Blocks.

Source: Japanese Notice 44/527/22

Chart JP 101A [previous update 827/22] WGS84 DATUM

Insert the accompanying block A, centred on: 34° 40' 53"N., 135° 11' 59"E.

the accompanying block B, centred on: 34° 40' 04"N., 135° 10' 45"E.

Chart JP 101B [previous update 2898/22] WGS84 DATUM

Insert the accompanying block A, centred on: 34° 40' 53"N., 135° 11' 59"E.

the accompanying block B, centred on: 34° 40' 04"N., 135° 10' 45"E.

II

4817 JAPAN - Hokkaidō - Dolphin. Pier.

Source: Japanese Notice 44/529/22

Chart JP 16 [*previous update 1924/21*] WGS84 DATUM

Insert	pier, single firm line, joining:	42° 20' 46.9"N., 140° 56' 30.4"E.
		(a) 42° 20' 46.8"N., 140° 56' 28.2"E.
	□ Dn	(a) above

4818 JAPAN - Hokkaidō - Breakwater. Beacon.

Source: Japanese Notice 44/530/22

Chart JP 1030 [*previous update 3040/22*] WGS84 DATUM



Insert	breakwater, single firm line, joining:	42° 32'·95N., 141° 22'·13E.
		(a) 42° 33'·17N., 141° 22'·57E.
Move	 Bn from: to:	42° 32'·83N., 141° 22'·09E.
		(a) above

Chart JP 1034 [*previous update 3040/22*] WGS84 DATUM

Insert	breakwater, single firm line, joining:	42° 32'·95N., 141° 22'·13E.
		(a) 42° 33'·17N., 141° 22'·57E.
Move	 Fl Y 4s 3M, from: to:	42° 32'·83N., 141° 22'·09E.
		(a) above

4819 JAPAN - Honshū - Light. Fixed point.

Source: Japanese Notice 44/532/22

Chart JP 149 [*previous update 3033/21*] WGS84 DATUM

Replace	 F Fl G 6s 7/3M with  G Lt	35° 05'·75N., 132° 20'·34E.
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4820 JAPAN - Honshū - Light.

Source: Japanese Notice 44/533/22

Chart JP 1180 [*previous update 4061/22*] WGS84 DATUM

Amend	light to, Fl(2) R 7s 16m 8M	37° 26'·51N., 138° 35'·18E.
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4821 JAPAN - Honshū - Mooring buoy.

Source: Japanese Notice 44/534/22

Chart JP 1192 [*previous update 4631/21*] WGS84 DATUM

Insert	 (Lt)	39° 48'·38N., 139° 59'·71E.
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II

4822 JAPAN - Seto Naikai - Legend. Groyne.

Source: Japanese Notice 44/535/22

Chart JP 112 [previous update 1585/22] WGS84 DATUM

Insert	single firm line showing a quay and groyne completed area, joining:	(a) 34° 15' 06.7"N., 134° 42' 31.2"E.
		(b) 34° 15' 05.0"N., 134° 42' 29.7"E.
		34° 15' 06.0"N., 134° 42' 27.4"E.
	legend, <i>Unsurveyed</i> , close SE of:	(a)-(b) above

4823 JAPAN - Seto Naikai - Fish haven.

Source: Japanese Notice 44/536/22

Chart JP 101B [previous update 4816/22] WGS84 DATUM

Insert	limit of fish haven, dotted line, joining:	(a) 34° 37' 50.0"N., 135° 04' 37.4"E.
		34° 37' 51.9"N., 135° 04' 47.1"E.
		34° 37' 51.2"N., 135° 04' 47.3"E.
		(b) 34° 37' 49.3"N., 135° 04' 37.6"E.
Delete	former limit of fish haven, dotted line, joining:	(a) above
		(b) above

4824 JAPAN - Seto Naikai - Breakwater. Fixed point. Legend.

Source: Japanese Notice 44/538/22

Chart JP 1112B [previous update 3757/21] WGS84 DATUM



Insert	⊙ R Lt	(a) 34° 18' 25.6"N., 132° 20' 09.9"E.
Replace	breakwater, single pecked line, with breakwater, single firm line, joining:	34° 18' 27.6"N., 132° 20' 04.1"E.
		(a) above
Delete	legend, Under construction, centred on:	34° 18' 26.9"N., 132° 20' 07.9"E.

4784 KOREA STRAIT - Submarine power cable.

Source: Korean Notice 32/649/22, KR4G3B30 and KR4G3F10

Note: Former Notice 3528(P)/22 is cancelled.




Chart 127 [previous update New Edition 27/10/2022] WGS84 DATUM

Insert	submarine power cable,   , joining:	35° 01' .4N., 129° 13' .5E.
		34° 59' .3N., 129° 15' .2E.
		34° 36' .4N., 128° 57' .5E.
		34° 07' .4N., 128° 36' .4E.
		34° 06' .8N., 128° 32' .8E.
		33° 49' .2N., 128° 16' .3E.

II


4784 KOREA STRAIT - Submarine power cable. (continued)

Chart 1065 [*previous update 4413/22*] WGS84 DATUM

Insert submarine power cable,   , joining:


35° 01'·4N., 129° 13'·5E.
35° 01'·1N., 129° 13'·7E.
35° 01'·0N., 129° 14'·1E.
34° 59'·5N., 129° 15'·2E.
34° 59'·1N., 129° 15'·1E.
34° 58'·5N., 129° 14'·9E.
34° 47'·2N., 129° 06'·2E.

Chart 2347 [*previous update 4261/22*] WGS84 DATUM

Insert submarine cable, , joining:


34° 04'·5N., 128° 29'·1E.
33° 47'·7N., 128° 14'·9E.
33° 31'·2N., 127° 59'·6E.
32° 32'·7N., 126° 59'·9E.
32° 31'·4N., 126° 59'·8E.
32° 19'·7N., 126° 58'·8E.
32° 10'·2N., 127° 14'·1E.
31° 25'·9N., 128° 25'·0E.
30° 28'·6N., 129° 11'·0E.
30° 23'·5N., 129° 11'·8E.
29° 45'·2N., 129° 06'·2E.

Chart 2412 [*previous update 4505/22*] WGS84 DATUM

Insert submarine cable, , joining:

32° 48'·1N., 127° 15'·7E.
32° 32'·7N., 126° 59'·9E.
32° 31'·4N., 126° 59'·8E.
32° 19'·7N., 126° 58'·8E.
32° 10'·2N., 127° 14'·1E.
31° 29'·2N., 128° 19'·7E.

Chart 3480 [*previous update 4732/22*] WGS84 DATUM

Insert submarine cable, , joining:

34° 06'·4N., 128° 30'·7E.
33° 47'·7N., 128° 14'·9E.
33° 31'·2N., 127° 59'·6E.
32° 32'·7N., 126° 59'·9E.
32° 31'·4N., 126° 59'·8E.
32° 19'·7N., 126° 58'·8E.
32° 10'·2N., 127° 14'·1E.
31° 25'·9N., 128° 25'·0E.

II

4793 KOREA - West Coast - Bridge. Legend.

Source: Korean Notice 32/658/22

Chart 1007 [*previous update 5433/21*] WGS84 DATUM

Insert	bridge, double pecked line, joining:	(a) 34° 47'·067N., 126° 19'·000E.
		(b) 34° 47'·578N., 126° 18'·913E.
	legend, Under construction, along:	(a)-(b) above

4774 INDONESIA - Java Sea - Recommended route.

Source: Indonesian Notice 33/382/22

Chart 2137 [*previous update 3020/22*] WGS84 DATUM

Insert	two-way recommended route, pecked line, joining:	2° 44'·60S., 107° 28'·94E.
		2° 49'·32S., 107° 31'·57E.
		2° 53'·00S., 107° 30'·48E.
		2° 53'·23S., 107° 30'·51E.
		2° 53'·52S., 107° 31'·31E.
		2° 53'·34S., 107° 32'·27E.
		2° 53'·14S., 107° 32'·62E.

4796 INDONESIA - Banda Sea - Rock. Depth.

Source: Indonesian Notices 33/384-385/22

Note: This update is included in New Edition 4603, published 29 December 2022.

Chart 2472 [*previous update 4645/22*] WGS84 DATUM


Delete	 Shoal Rep	4° 01'·7S., 126° 20'·5E.
	 PD Rep	4° 18'·2S., 126° 16'·1E.

Chart 2911 [*previous update 619/22*] WGS84 DATUM

Delete	 Shoal PA Rep (1950)	4° 01'·7S., 126° 20'·5E.
	 PD Rep (1927)	4° 18'·2S., 126° 16'·1E.

Chart 4052 (INT 52) [*previous update 4513/21*] WGS84 DATUM

Delete		4° 01'·7S., 126° 19'·3E.
	 ED	4° 16'·5S., 126° 15'·9E.

Chart 4060 (INT 60) [*previous update 288/21*] WGS84 DATUM

Delete	 , and associated danger line	4° 16'·0S., 126° 17'·4E.
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Chart 4507 (INT 507) [*previous update 3638/22*] WGS84 DATUM

Delete		4° 01'·5S., 126° 19'·6E.
		4° 17'·8S., 126° 15'·5E.

II

4806 INDONESIA - Papua - Light-beacons. Lights.

Source: Indonesian Notices 26/308-309/22

Chart 2473 [previous update 4645/22] WGS84 DATUM

Insert		Fl.R.8M	6° 40'·1S., 133° 26'·2E.
		Oc.G.8M	7° 04'·3S., 133° 38'·3E.

Chart 3751 [previous update 4645/22] WGS84 DATUM

Insert		Fl.R.3s10m8M	6° 40'·1S., 133° 26'·2E.
		Oc.G.3s10m8M	7° 04'·3S., 133° 38'·3E.

Chart 4721 (INT 721) [previous update 4773/22] WGS84 DATUM

Insert		Fl.R.8M	6° 40'·1S., 133° 26'·2E.
		Oc.G.8M	7° 04'·3S., 133° 38'·3E.

4842 MALAYSIA - Sarawak - NM Block. Buoyage. Legend.

Source: Malaysian Notice 5/78/22, Marine Department, Sarawak Notice 85/22 and ENC MY3C0731

Chart 1822 [previous update New Edition 07/10/2021] WGS84 DATUM












Insert	the accompanying block, centred on:	
	 Fl.G.5s No 3	1° 39'·1N., 110° 31'·1E.
	 Fl.R.5s No 4	1° 45'·24N., 110° 31'·97E.
	 Fl.G.5s No 5	1° 45'·24N., 110° 32'·13E.
	 Fl.R.5s No 6	1° 42'·33N., 110° 33'·04E.
	 Fl.R.5s No 7	1° 42'·31N., 110° 33'·37E.
	 Fl.G.5s No 8	1° 41'·14N., 110° 32'·35E.
	 Fl.R.5s No 8	1° 40'·96N., 110° 32'·60E.
Delete	 Fl.G.4s No 1	1° 42'·40N., 110° 32'·84E.
	 Fl.R.4s No 2	1° 42'·40N., 110° 33'·49E.
	 Fl.G.4s No 3	1° 40'·82N., 110° 32'·16E.
	 Fl.R.4s No 4	1° 40'·55N., 110° 32'·65E.

Chart 3834 [previous update 4652/21] WGS84 DATUM


Insert		Fl.W.5s	1° 49'·09N., 110° 30'·54E.
	legend, Buoyed Channel, orientated NW/SE, centred on:		1° 46'·42N., 110° 31'·51E.

Chart 3835 [previous update 1899/22] WGS84 DATUM

Insert		Fl.W.5s	1° 49'·09N., 110° 30'·54E.
	legend, Buoyed Channel, orientated NW/SE, centred on:		1° 46'·42N., 110° 31'·51E.

II

4843 INDONESIA - Sulawesi - Marine Reserves.

Source: ENC ID1N0356

Chart 2638 (Panel A, Selat Bangka and Selat Lembeh) [*previous update 4225/21*] WGS84 DATUM

Insert	limit of marine reserve, TTTT MR TTTT , joining:	<p>1° 49′·49N., 124° 40′·70E. 1° 49′·45N., 124° 51′·54E. 1° 36′·07N., 124° 51′·49E. and 1° 31′·88N., 124° 50′·09E. 1° 31′·87N., 124° 47′·50E. 1° 34′·77N., 124° 47′·50E. 1° 34′·80N., 124° 40′·70E.</p>
Delete	former semi-circular limit of marine reserve, radius 9M, TTTT MR TTTT , centred on 1° 42′·93N., 124° 45′·38E, joining:	<p>1° 49′·47N., 124° 40′·70E. 1° 36′·39N., 124° 40′·70E.</p>

4847 PHILIPPINE ISLANDS - Cebu - Lights.

Source: Philippine Notice 5/17/22

Chart 3809 [*previous update 4662/22*] UNDETERMINED DATUM

Delete	★Fl.7s	9° 37′·3N., 123° 19′·1E.
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Chart 4416 [*previous update 4662/22*] WGS84 DATUM

Delete	★	9° 37′·2N., 123° 19′·3E.
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Chart 4473 [*previous update 4626/22*] WGS84 DATUM

Insert	★Fl.5s	9° 34′·18N., 123° 18′·65E.
Delete	★Fl.7s	9° 37′·22N., 123° 19′·29E.

4773 AUSTRALIA - Western Australia - Submarine pipeline.

Source: Australian Notice 22/864/22

Chart 4721 (INT 721) [*previous update 4645/22*] WGS84 DATUM

Insert	submarine pipeline, TTTT , joining:	<p>13° 58′·0S., 123° 08′·7E. 13° 55′·5S., 123° 16′·0E. 13° 56′·3S., 123° 17′·8E.</p>
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Chart 4722 (INT 722) [*previous update 1778/22*] WGS84 DATUM

Insert	submarine pipeline, TTTT , joining:	<p>13° 58′·0S., 123° 08′·7E. 13° 55′·5S., 123° 16′·0E. 13° 56′·3S., 123° 17′·8E.</p>
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II

4841 NEW ZEALAND - North Island - Note. Legend. Restricted area.

Source: New Zealand Notice 22/63/22

Chart NZ 55 [previous update New Edition 01/06/2020] WGS84 DATUM



Insert	limit of restricted area,  joining:	38° 42'·50S., 178° 04'·16E. 38° 43'·76S., 178° 17'·81E. 38° 39'·96S., 178° 21'·08E. 38° 31'·76S., 178° 17'·53E.
	legend, <i>Prohibited Anchorage Area</i> (see Note), centred on: the accompanying note, PROHIBITED ANCHORAGE AREA, centered on:	38° 39'·65S., 178° 16'·31E. 38° 27'·81S., 178° 12'·26E.

Chart NZ 5571 [previous update 4533/20] WGS84 DATUM

Insert	limit of restricted area,  joining:	38° 42'·50S., 178° 04'·16E. 38° 42'·58S., 178° 04'·98E.
	legend, <i>Prohibited Anchorage Area</i> (see Note), centred on: the accompanying note, PROHIBITED ANCHORAGE AREA, centered on:	38° 41'·94S., 178° 04'·67E. 38° 41'·92S., 177° 56'·20E.

4797 CANADA - British Columbia - Wreck.

Source: Canadian Notice 7/3000/22

Chart 4920 [previous update 2840/22] NAD27 DATUM

Insert	++ PA	50° 36'·0N., 130° 46'·8W.
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4809 CANADA - British Columbia - Depths.

Source: Canadian Notices 8/3443/22 and 8/3458/22

Note: This update is included in New Edition 4958, published 24 November 2022.

Chart 4956 [previous update 4204/22] NAD83 DATUM

Replace	depth, <i>I</i> ₅ , with depth, <i>I</i> ₁	49° 12'·67N., 123° 53'·10W.
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Chart 4957 [previous update 4204/22] NAD83 DATUM

Insert	depth, <i>3</i> ₉ , and extend 5m contour S to enclose depth, <i>I</i> ₁	49° 13' 37·1"N., 123° 55' 37·2"W. (a) 49° 12' 40·2"N., 123° 53' 06·1"W.
Delete	depth, <i>I</i> ₅ , close W of:	(a) above
Replace	depth, <i>I</i> ₇ , with depth, <i>I</i> ₅	49° 13' 31·5"N., 123° 56' 33·3"W.

II

4786 BRAZIL - South Coast - NM Block. Rock. Legend. Restricted area. Note.

Source: Brazilian Notices 11/S 119-120/22, 11/S 127/22 and BR501512

Chart 566 [*previous update 3704/22*] WGS84 DATUM

Insert	the accompanying block, centred on:	22° 51'·7S., 43° 07'·9W.
	seabed type, <i>R</i>	22° 52'·83S., 43° 09'·82W.
	legend, <i>Prohibited Area</i> (<i>see Note</i>), centred on:	22° 52'·90S., 43° 08'·33W.
	limit of restricted area, entry prohibited, pecked line, joining:	22° 53'·23S., 43° 07'·82W.
		22° 53'·23S., 43° 08'·23W.
		22° 53'·03S., 43° 08'·24W.
		22° 52'·89S., 43° 08'·19W.
		22° 52'·89S., 43° 08'·05W.
	the accompanying note, PROHIBITED AREA, centred on:	22° 55'·93S., 43° 11'·14W.

4814 UNITED STATES OF AMERICA - Gulf of Mexico - NM Block. Note. Legend.

Source: UKHO

Chart 3851 [*previous update New Chart 03/11/2022*] NAD83 DATUM

Insert	the accompanying block, centred on:	29° 53'·2N., 90° 58'·6W.
	the accompanying note, WITHDRAWN CHART, centred on:	29° 48'·7N., 89° 49'·0W.
Amend	chart number to read, 3857 WITHDRAWN CHART (<i>see Note</i>), in position:	28° 28'·3N., 88° 39'·3W.

II

4788(T)/22 POLAND - Light. Buoyage.

Source: Polish Notice 31-32/351(T)/22

1. As a result of maintenance works along the Szczecin Fairway, light, Fl(3)8s26m13M, in position 53° 42'·70N., 14° 27'·97E. has been temporarily extinguished.
2. Light-buoys have been temporarily established during these works.

Characteristic	Buoy Type	Position
<i>Fl.Y.3s</i>	Special pillar buoy	53° 42'·70N., 14° 27'·91E.
<i>Fl.Y.3s</i>	Special pillar buoy	53° 42'·66N., 14° 28'·00E.
<i>Q.G</i>	Starboard lateral pillar buoy	53° 42'·72N., 14° 28'·00E.
<i>Q.R</i>	Port lateral pillar buoy	53° 42'·77N., 14° 28'·12E.

3. Mariners are advised to navigate with caution in the area.
(WGS84 DATUM)

Charts affected - 2677 (INT 1297) - 2678 (INT 1298)

4791(T)/22 SWEDEN - East Coast - Buoyage. Lights.

Source: Swedish Notice 935/17193(T)/22

1. There have been extensive changes to aids to navigation in Lake Mälaren, between the following positions:

Location	Position
Södertälje	59° 12'·2N., 17° 37'·5E.
Västerås	59° 35'·50N., 16° 33'·15E.
Köping	59° 29'·50N., 16° 02'·80E.

2. Changes to buoyage, light sectors and other aids to navigation should be expected.
3. Mariners are advised to navigate with caution in the area and consult the local port authorities for the latest information.
(WGS84 DATUM)

Charts affected - 800 (INT 1773) - 802 (INT 1772) - 803 - 810 (INT 1771) - 2817

4759(P)/22 NORTH SEA - Norwegian Sector - Submarine cable. Precautionary area.

Source: Norwegian Notice 12/68087(P)/22

1. Submarine pipeline laying, cable laying and subsea installation activities are taking place, in the Alvheim oil field, joining the following positions:

59° 34'·23N., 2° 00'·95E.
59° 33'·57N., 2° 00'·96E.
59° 33'·50N., 1° 59'·84E.
59° 32'·78N., 1° 59'·39E.
59° 30'·81N., 2° 03'·01E.
59° 30'·31N., 2° 03'·04E.
59° 29'·67N., 2° 01'·68E.

2. A 500m precautionary area has been established from the works.
3. Mariners are advised to navigate with caution in the area.
(WGS84 DATUM)

Charts affected - 292 - 1427 (INT 1401) - 2182C (INT 1041)

II

4815(T)/22 PORTUGAL - West Coast - Beacon.

Source: Portuguese Notice 6/227(T)/22

1. Beacon No13M, in position 38° 41'·98N., 8° 59'·28W. has been damaged.
2. Mariners are advised to navigate with caution in the area.
(WGS84 DATUM)

Chart affected - 3222 (INT 1877)

4761(P)/22 ISRAEL - Mediterranean Sea Coast - Depths.

Source: ENCs I160305B, I150305A and I1400305

1. Extensive changes to charted detail have taken place within and in the approaches to Hefa (Haifa).
2. Numerous changes to dredged areas have taken place throughout the port, including several new areas established. For the latest information regarding these, contact the port authority.
3. Depths less than charted exist. The most significant are as follows:

<i>Depth</i>	<i>Position</i>
9·9m	32° 53'·40N., 35° 03'·37E.
9·5m	32° 53'·27N., 35° 02'·11E.
14·4m	32° 52'·92N., 35° 01'·40E.
14·9m	32° 52'·87N., 35° 01'·29E.
16·6m	32° 51'·02N., 34° 59'·22E.
5·9m	32° 48'·95N., 35° 01'·83E.
11·2m	32° 49'·17N., 35° 01'·16E.
9·1m	32° 49'·23N., 35° 01'·32E.
8·1m	32° 49'·24N., 35° 01'·57E.
7·0m	32° 49'·24N., 35° 01'·76E.
3·9m	32° 49'·17N., 35° 01'·95E.

4. Mariners are advised to navigate with caution in the area.
5. These and other changes will be included in a New Edition of Chart 1585 to be published early 2023.
(WGS84 DATUM)

Chart affected - 1585 (INT 3680)

4789(T)/22 GIBRALTAR - Wreck. Buoyage.

Source: Gibraltar Port Authority

1. A stranded wreck exists in position 36° 08'·071N., 5° 19'·943W.
2. The wreck is marked by cardinal buoys as follows:

Buoy Type	Position
North cardinal	36° 08'·259N., 5° 19'·900W.
East cardinal	36° 08'·075N., 5° 19'·750W.
South cardinal	36° 07'·890N., 5° 19'·955W.
West cardinal	36° 08'·060N., 5° 20'·145W.

3. Mariners are advised to navigate with caution in the area.
(WGS84 DATUM)

Charts affected - 142 - 144 - 1448 - 3578

II

4792(T)/22 CROATIA - Buoy.

Source: Croatian Notice 6/5(T)/22

1. A yellow waverider light-buoy, *Fl(5)Y.20s4M*, has been established, in position 43° 29'·34N., 16° 27'·68E.
2. Mariners are advised to navigate with caution in the area.
(WGS84 DATUM)

Charts affected - 269 - 2712

4825(T)/22 JAPAN - Honshū - Works.

Source: Japanese Notice 44/5557(T)/22

1. Dredging works are taking place, until 10 March 2023, within an area bounded by the following positions:

36° 55' 49·8"N., 140° 52' 31·4"E.

36° 55' 51·2"N., 140° 52' 28·7"E.

36° 55' 47·9"N., 140° 52' 26·1"E.

36° 55' 46·5"N., 140° 52' 28·9"E.

2. Former Notice 3701(T)/22 is cancelled.
(WGS84 DATUM)

Chart affected - JP 63

4826(T)/22 JAPAN - Seto Naikai - Buoyage.

Source: Japanese Notice 44/5558(T)/22

1. The Kariya magnetic survey station buoys have been temporarily removed from the following positions, until late April 2023:

<i>Designation</i>	<i>Characteristic</i>	<i>Position</i>
A	<i>Fl (2) 5s</i>	34° 31' 52"N., 135° 00' 11"E.
B		34° 31' 50"N., 134° 59' 59"E.
D	<i>Mo (A) G 8s</i>	34° 31' 34"N., 134° 59' 56"E.
G	<i>Fl (2) 5s</i>	34° 31' 55"N., 135° 00' 05"E.

(WGS84 DATUM)

Charts affected - JP 131 - JP 150A

4827(T)/22 JAPAN - Seto Naikai - Depths.

Source: Japanese Notice 44/5559(T)/22

1. Depths less than charted exist in the following positions:

<i>Depth</i>	<i>Position</i>
6·6m	34° 39' 15·9"N., 135° 25' 37·5"E.
5·3m	34° 39' 16·9"N., 135° 25' 39·8"E.
3·6m	34° 39' 19·2"N., 135° 25' 43·0"E.
8·4m	34° 39' 30·9"N., 135° 25' 56·2"E.

(WGS84 DATUM)

Chart affected - JP 123

II

4828(T)/22 JAPAN - Seto Naikai - Buoyage.

Source: Japanese Notice 44/5560(T)/22

1. The following light-buoys have been established:

<i>Characteristic</i>	<i>Designation</i>	<i>Buoy Type</i>	<i>Position</i>
<i>Fl(2) G 6s</i>	<i>No 1</i>	Lateral	33° 59' 57.5"N., 131° 45' 22.6"E.
<i>Fl(2) R 6s</i>	<i>No 2</i>	Lateral	33° 59' 53.6"N., 131° 45' 30.8"E.

2. The following former light-buoys have been removed:

<i>Characteristic</i>	<i>Designation</i>	<i>Buoy Type</i>	<i>Position</i>
<i>Fl(2) G 6s</i>	<i>No 1</i>	Lateral	34° 00' 31.7"N., 131° 45' 45.5"E.
<i>Fl(2) R 6s</i>	<i>No 2</i>	Lateral	34° 00' 26.7"N., 131° 45' 53.3"E.

3. A chart correcting notice will be issued shortly.
(WGS84 DATUM)

Charts affected - JP 126 - JP 1106 - JP 1133C

4829(T)/22 JAPAN - Seto Naikai - Virtual aid to navigation. Obstruction.

Source: Japanese Notice 44/5561(T)/22

1. An unexploded bomb marked by a virtual aid to navigation (V-AIS), special mark, exists in position 33° 52' 80N., 131° 09' 63E.
(WGS84 DATUM)

Charts affected - JP 127 - JP 1101

4762(T)/22 KOREA - South Coast - Light. Radar beacon. Automatic Identification System.

Source: Korean Notice 36/765(T)/22

1. Light, Fl.12s21m11M, Racon (G) and AIS, in position 34° 29' 95N., 128° 04' 99E. has been extinguished and been replaced by light, Fl.12s16m7M.
(WGS84 DATUM)

Charts affected - 127 - 2347 - 3391 (INT 5360) - 3480

4834(T)/22 KOREA - South Coast - Buoy.

Source: Korean Notice 38/813(T)/22

1. The ODAS light-buoy, *Fl(5)Y.20s No 2*, in position 34° 55' 14N., 129° 07' 27E. is reported as temporarily extinguished.
2. Mariners are advised to navigate with caution in the area.
(WGS84 DATUM)

Charts affected - 127 - 1065

II

4835(T)/22 KOREA - East Coast - Buoy.

Source: Korean Notice 41/898(T)/22

1. A yellow *ODAS* buoy, has been deployed, until further notice, in position 37° 14'·33N., 129° 27'·33E.
2. Mariners are advised to navigate with caution in the area.
(WGS84 DATUM)

Charts affected - 882 - 2347 - 3480

4838(T)/22 KOREA - South Coast - Buoy.

Source: Korean Notice 38/814(T)/22

1. The light-buoy, *Q(3)10s*, in position 35° 01'·90N., 128° 44'·23E. has been temporarily extinguished.
2. Mariners are advised to navigate with caution in the area.
(WGS84 DATUM)

Chart affected - 1065

4798(P)/22 INDONESIA - Papua - Works. Dredging area.

Source: Indonesian Notice 13/195(P)/17

1. Works associated with the Tangguh Expansion Project are taking place within an area bounded by the following positions:

2° 30'·09S., 132° 29'·25E.

2° 14'·13S., 132° 28'·68E.

2° 14'·58S., 133° 30'·65E.

2° 29'·21S., 133° 35'·03E.

2. Dredging is in progress in the navigation channel to the new jetty Bulk Offloading Facility (BOF) at Tangguh LNG Terminal within an area bounded by the following positions:

2° 26'·96S., 133° 06'·74E. (shore)

2° 26'·52S., 133° 06'·44E.

2° 26'·40S., 133° 06'·61E.

2° 26'·84S., 133° 06'·93E. (shore)

3. Dumping areas have been established in the following positions:

2° 26'·77S., 132° 52'·11E.

2° 19'·53S., 133° 07'·27E.

4. Mariners are advised to navigate with caution in the area.
5. Charts will be updated when full details become available.
6. *Former Notice 3280(P)/18 is cancelled.
*Indicates new or revised entry
(WGS84 DATUM)

Charts affected - 3747 - 3749

II

4799(P)/22 INDONESIA - Papua - Submarine power cable. Submarine pipeline. Light.

Source: ENC ID300206

1. A submarine power cable has been laid joining the following positions:

2° 15'·51S., 133° 12'·72E.
2° 18'·35S., 132° 56'·12E.
2° 19'·11S., 132° 54'·93E.
2° 23'·03S., 132° 56'·06E.
2° 27'·51S., 133° 00'·36E.
2° 27'·59S., 133° 06'·02E.

2. A submarine pipeline has been laid joining the following positions:

2° 19'·49S., 132° 57'·48E.
2° 21'·19S., 133° 05'·97E.
2° 23'·42S., 133° 08'·42E.
2° 26'·19S., 133° 08'·69E.

3. Light, Fl.3s13m12M, in position 2° 17'·44S., 132° 40'·55E., has been removed.
4. These changes will be included in a New Edition of Chart 3747 to be published early 2023.
5. Chart 3749 and 2473 will be updated by Notice to Mariners.
(WGS84 DATUM)

Chart affected - 3747

4836(T)/22 MALAYSIA - Sarawak - Buoyage. Jetty.

Source: Marine Department, Sarawak Notice 82/(T)22

1. Light-buoys, *Fl.Y.5s*, have been established, marking a temporary jetty for the proposed Sarawak Methanol Plant, bounded by the following positions:

3° 18'·37N., 113° 06'·19E.
3° 18'·88N., 113° 05'·70E.
3° 18'·93N., 113° 05'·72E.
3° 18'·40N., 113° 06'·23E.

2. Mariners are advised to navigate with caution in the area.
(WGS84 DATUM)

Charts affected - 1748 - 2100 - 3837 (INT 5709)

II

4839(P)/22 SOUTH PACIFIC OCEAN - Nouvelle-Calédonie - Submarine cables.

Source: Alcatel Submarine Networks

1. A submarine cable has been laid joining the following positions:

22° 22'·10S., 166° 34'·10E.
22° 22'·61S., 166° 35'·77E.
22° 23'·80S., 166° 45'·00E.
22° 23'·70S., 166° 47'·46E.
22° 23'·34S., 166° 48'·86E.
22° 23'·92S., 166° 51'·28E.
22° 24'·69S., 166° 53'·43E.
22° 25'·03S., 166° 55'·66E.

and

22° 19'·03S., 167° 06'·03E.
22° 19'·91S., 167° 04'·36E.
22° 20'·87S., 167° 03'·78E.
22° 22'·74S., 166° 59'·23E.
22° 24'·39S., 166° 57'·39E.
22° 24'·57S., 166° 55'·95E.
22° 25'·22S., 166° 55'·55E.
22° 26'·20S., 166° 57'·66E.
22° 30'·90S., 167° 02'·26E.
22° 36'·64S., 167° 09'·04E.
22° 43'·00S., 167° 18'·85E.
22° 40'·14S., 167° 24'·42E.
22° 40'·71S., 167° 25'·54E.
22° 39'·88S., 167° 26'·18E.

2. These changes will be included in the New Editions of Charts 2464 and 2465 to be published early 2023.
3. Charts 744, 745, 936, 1576, 1674, 2462, 2463, 4636, and 4637 will be updated by Notice to Mariners.
4. Former Notice 1244(P)/22 is cancelled.
(WGS84 DATUM)

Charts affected - 2464 (INT 6882) - 2465 (INT 6881)

II

4795(P)/22 CANADA - British Columbia - Submarine cables. Light.

Source: Canadian Notices 7/3957-3958/22

1. Submarine cables have been laid joining the following positions:

54° 08'·52N., 130° 16'·70W.
54° 08'·40N., 130° 16'·75W.
54° 07'·93N., 130° 17'·14W.
54° 07'·70N., 130° 17'·03W.
54° 07'·30N., 130° 16'·60W.

and

54° 13'·84N., 130° 20'·67W.
54° 13'·46N., 130° 20'·94W.
54° 13'·00N., 130° 21'·37W.
54° 12'·82N., 130° 21'·42W.
54° 12'·34N., 130° 20'·94W.
54° 12'·03N., 130° 20'·90W.
54° 11'·13N., 130° 21'·23W.
54° 10'·05N., 130° 21'·47W.
54° 09'·72N., 130° 21'·46W.
54° 09'·49N., 130° 21'·19W.
54° 09'·20N., 130° 20'·69W.
54° 08'·26N., 130° 19'·00W.
54° 08'·24N., 130° 18'·59W.
54° 08'·47N., 130° 17'·25W.
54° 08'·52N., 130° 16'·72W.

and

54° 14'·03N., 130° 20'·50W.
54° 13'·99N., 130° 20'·61W.
54° 13'·92N., 130° 20'·72W.
54° 13'·08N., 130° 21'·56W.
54° 12'·97N., 130° 21'·87W.
54° 12'·98N., 130° 22'·24W.
54° 13'·25N., 130° 23'·23W.
54° 13'·38N., 130° 23'·92W.
54° 13'·46N., 130° 24'·66W.
54° 13'·45N., 130° 25'·31W.
54° 13'·76N., 130° 26'·45W.
54° 14'·05N., 130° 26'·76W.
54° 14'·41N., 130° 27'·60W.

and

54° 17'·64N., 130° 21'·21W.
54° 17'·67N., 130° 21'·22W.
54° 17'·71N., 130° 21'·25W.
54° 17'·75N., 130° 21'·36W.
54° 17'·70N., 130° 21'·67W.
54° 17'·46N., 130° 22'·35W.
54° 17'·45N., 130° 22'·64W.
54° 17'·42N., 130° 22'·78W.

II

4795(P)/22 CANADA - British Columbia - Submarine cables. Light. (continued)

54° 17'·28N., 130° 23'·13W.

54° 17'·28N., 130° 23'·16W.

and

54° 20'·41N., 130° 26'·04W.

54° 20'·35N., 130° 25'·79W.

54° 20'·22N., 130° 25'·68W.

54° 20'·17N., 130° 25'·76W.

54° 20'·14N., 130° 25'·79W.

54° 20'·05N., 130° 26'·39W.

54° 20'·11N., 130° 26'·49W.

54° 20'·06N., 130° 26'·56W.

54° 20'·02N., 130° 27'·00W.

54° 19'·97N., 130° 27'·23W.

54° 19'·97N., 130° 27'·90W.

54° 19'·90N., 130° 28'·02W.

54° 19'·76N., 130° 28'·18W.

54° 19'·69N., 130° 28'·40W.

54° 19'·65N., 130° 28'·71W.

54° 19'·52N., 130° 29'·40W.

54° 19'·31N., 130° 29'·68W.

54° 18'·71N., 130° 29'·97W.

54° 18'·49N., 130° 30'·12W.

54° 18'·30N., 130° 30'·31W.

54° 18'·04N., 130° 30'·51W.

54° 17'·75N., 130° 30'·65W.

54° 17'·48N., 130° 30'·85W.

54° 17'·15N., 130° 31'·11W.

54° 16'·74N., 130° 31'·30W.

and

54° 21'·68N., 130° 30'·87W.

54° 21'·22N., 130° 30'·85W.

54° 20'·87N., 130° 29'·91W.

54° 20'·68N., 130° 29'·34W.

54° 20'·46N., 130° 29'·23W.

54° 20'·10N., 130° 29'·16W.

54° 19'·90N., 130° 29'·17W.

54° 19'·80N., 130° 29'·08W.

54° 19'·65N., 130° 28'·74W.

2. The sector light, F WRG, in position 54° 15'·22N., 130° 20'·76W. is no longer occasional.
3. Mariners are advised to navigate with caution in the area.
4. These changes will be included in the New Editions of Charts 4936, 4937 and 4938 to be published early 2023.
(NAD83 DATUM)

Charts affected - 4936 - 4937 - 4938

4767(T)/22 WEST INDIES - Trinidad and Tobago - Buoy.

Source: Delta Cardinal

1. The Têteron Rock light buoy *FLG.5s '3'*, in position 10° 40'·80N., 61° 40'·10W. is reported missing.
2. Mariners are advised to navigate with caution in the area.
(WGS84 DATUM)

Charts affected - 474 - 483

II

4760(P)/22 UNITED STATES OF AMERICA - East Coast - Channel limits. Legends. Dredged depths. Anchorage areas. Alongside depth. General information.

Source: ENC's US5MA11M, US5MA10M, US5MA12M, US5BOSBE and US5MA10F

1. There have been numerous changes to channel names, channel limits, dredged depths and project depth legends in the vicinity of Boston Harbor.

2. The new channel limit, the Outer Harbor Confluence, exists bounded by the following positions:

42° 20'·286N., 70° 57'·165W.
42° 20'·322N., 70° 56'·927W.
42° 20'·444N., 70° 56'·669W.
42° 20'·479N., 70° 56'·620W.
42° 20'·612N., 70° 56'·433W.
42° 20'·505N., 70° 56'·225W.
42° 20'·248N., 70° 56'·408W.
42° 20'·127N., 70° 56'·871W.
42° 20'·092N., 70° 57'·115W.

3. The new channel limit, the North Broad Sound Finns Ledge, exists bounded by the following positions:

42° 21'·69N., 70° 55'·38W.
42° 21'·76N., 70° 55'·56W.
42° 22'·07N., 70° 55'·33W.
42° 22'·47N., 70° 54'·62W.
42° 22'·33N., 70° 54'·47W.
42° 22'·06N., 70° 54'·96W.

4. The limits of the Reserved Channel Turning Basin have been amended to the following positions:

42° 20'·819N., 71° 01'·103W.
42° 20'·835N., 71° 00'·877W.
42° 20'·687N., 71° 00'·636W.
42° 20'·571N., 71° 00'·626W.
42° 20'·472N., 71° 00'·743W.
42° 20'·543N., 71° 00'·852W.
42° 20'·545N., 71° 01'·277W.
42° 20'·596N., 71° 01'·279W.
42° 20'·742N., 71° 01'·187W.

5. The limits of the President Roads Anchorage Area, No 2, have been subdivided into the following positions:

President Roads Anchorage West Half:

42° 20'·651N., 70° 58'·264W.
42° 20'·148N., 70° 58'·134W.
42° 20'·081N., 70° 58'·602W.
42° 20'·076N., 70° 58'·943W.
42° 20'·211N., 70° 58'·768W.
42° 20'·562N., 70° 58'·860W.

President Roads Anchorage East Half:

42° 20'·651N., 70° 58'·264W.
42° 20'·736N., 70° 57'·668W.
42° 20'·634N., 70° 57'·551W.
42° 20'·394N., 70° 57'·488W.
42° 20'·286N., 70° 57'·165W.
42° 20'·148N., 70° 58'·134W.

6. The designation of the Anchorage, No 2, centred on position 42° 20'·155N., 70° 59'·197W. has been replaced with the Barge Anchorage.

7. An alongside depth 51 ft, exists in position 42° 20'·519N., 71° 01'·483W.

II

4760(P)/22 UNITED STATES OF AMERICA - East Coast - Channel limits. Legends. Dredged depths. Anchorage areas. Alongside depth. General information. (continued)

8. The limits of a special anchorage have changed to the following positions:

42° 15'·08N., 70° 57'·44W.

42° 15'·30N., 70° 56'·84W.

42° 15'·25N., 70° 56'·83W.

42° 15'·00N., 70° 57'·43W.

9. For detailed channel information and minimum depths as reported by USACE, use NOAA Electronic Navigational Charts.

10. USACE surveys and channel condition reports are available at <http://navigation.usace.army.mil/Survey/Hydro>.

11. Mariners are advised to navigate with caution in the area.

12. These changes will be included in the next New Edition of Charts 1516 and 1528 to be published early 2023.
(NAD83 DATUM)

Charts affected - 1516 - 1528

4764(P)/22 CANADA - Saint Lawrence River - Seaplane landing areas. Maintained channels. Obstruction.

Source: Canadian Notice 9/1310/22

1. The Seaplane landing areas in the following positions have been removed:

45° 32' 01·4"N., 73° 31' 57·7"W.

45° 31' 30·9"N., 73° 32' 23·1"W.

45° 31' 19·5"N., 73° 32' 24·1"W.

45° 31' 19·6"N., 73° 32' 26·2"W.

45° 31' 31·1"N., 73° 32' 25·2"W.

45° 32' 02·1"N., 73° 31' 59·4"W.

and

45° 30' 50·2"N., 73° 32' 26·5"W.

45° 30' 50·3"N., 73° 32' 28·6"W.

45° 31' 15·5"N., 73° 32' 26·5"W.

45° 31' 15·4"N., 73° 32' 24·4"W.

2. A new 10·8m maintained area has been established joining the following positions:

45° 37' 57·5"N., 73° 29' 25·4"W.

45° 37' 59·4"N., 73° 29' 23·4"W.

45° 38' 00·3"N., 73° 29' 18·7"W.

45° 37' 46·6"N., 73° 29' 27·7"W.

45° 37' 48·8"N., 73° 29' 34·6"W.

45° 37' 50·3"N., 73° 29' 33·1"W.

3. The maintained area centred on the following position, 45° 33' 54·8"N., 73° 30' 53·6"W., has been amended to 10·8m.

4. A crib with depth 6m has been established in the following position, 45° 35' 02·7"N., 73° 29' 52·5"W.

II

**4764(P)/22 CANADA - Saint Lawrence River - Seaplane landing areas. Maintained channels.
Obstruction. (continued)**

5. A new 10.8m maintained area has been established joining the following positions:

45° 35' 31.4"N., 73° 30' 20.0"W.
45° 35' 32.6"N., 73° 30' 20.4"W.
45° 35' 33.0"N., 73° 30' 18.0"W.
45° 35' 53.1"N., 73° 30' 23.2"W.
45° 36' 19.4"N., 73° 30' 21.1"W.
45° 36' 24.5"N., 73° 30' 24.0"W.
45° 36' 35.9"N., 73° 30' 20.5"W.
45° 36' 32.0"N., 73° 30' 14.5"W.
45° 35' 45.2"N., 73° 30' 18.5"W.
45° 35' 20.5"N., 73° 30' 12.1"W.
45° 35' 15.7"N., 73° 30' 14.1"W.

6. These changes will be included in a New Edition of Chart 4792 to be published early 2023.
(NAD83 DATUM)

Chart affected - 4792

To accompany Notice to Mariners 4777/22

On Chart 90

MARINE NATURE RESERVES Entry into Marine Nature Reserves are affected by numerous restrictions and prohibitions. For further details, see ADMIRALTY Sailing Directions.

To accompany Notice to Mariners 4786/22

On Chart 566

PROHIBITED AREA Navigation is prohibited unless expressly authorized.

To accompany Notice to Mariners 4814/22

On Chart 3851

WITHDRAWN CHART
This Chart has been withdrawn from the ADMIRALTY Portfolio. Within the limits of this chart some detail may have been omitted and will not be reinstated on remaining coverage. Mariners are advised to obtain the most appropriate scale charting available for their purposes. These may be charts produced by local hydrographic offices.

To accompany Notice to Mariners 4841/22

On Chart NZ 55

PROHIBITED ANCHORAGE AREA
Ships over 500 GRT are prohibited from anchoring within the area unless directed by the Harbourmaster or Duty Pilot.

To accompany Notice to Mariners 4841/22

On Chart NZ 5571

PROHIBITED ANCHORAGE AREA
Ships over 500 GRT are prohibited from anchoring within the area unless directed by the Harbourmaster or Duty Pilot.

To accompany Notice to Mariners 4777/22. Image Size (mm) 53.7 by 66.8

OIL AND GAS ACTIVITY

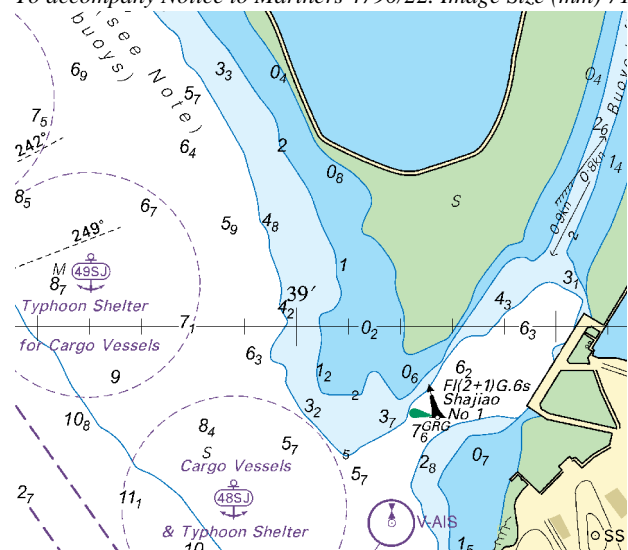
Numerous structures, surface and submerged, sometimes marked by buoys, exist in the area indicated. These features are not all charted due to their complexity and frequent change.

MARINE NATURE RESERVES

Entry into Marine Nature Reserves are affected by numerous restrictions and prohibitions. For further details, see ADMIRALTY Sailing Directions.

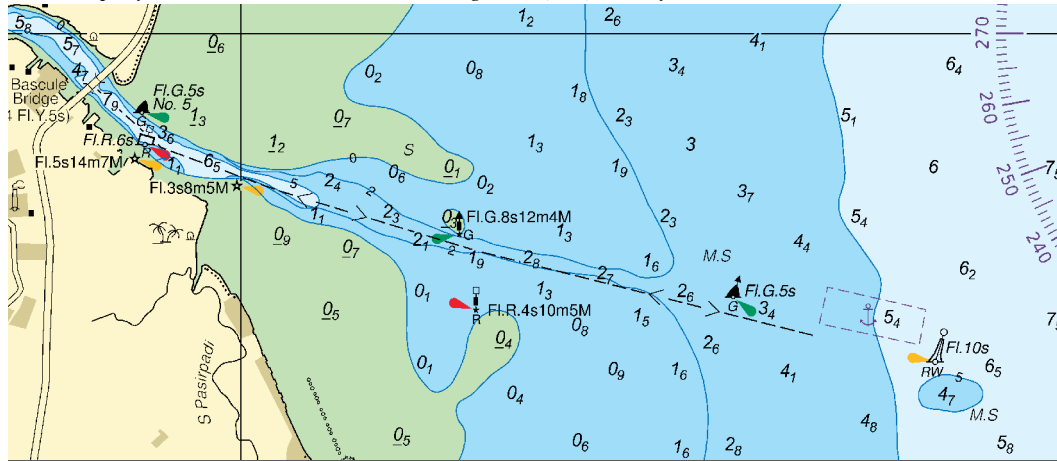
Block for Chart No 817

To accompany Notice to Mariners 4790/22. Image Size (mm) 71.7 by 80.9



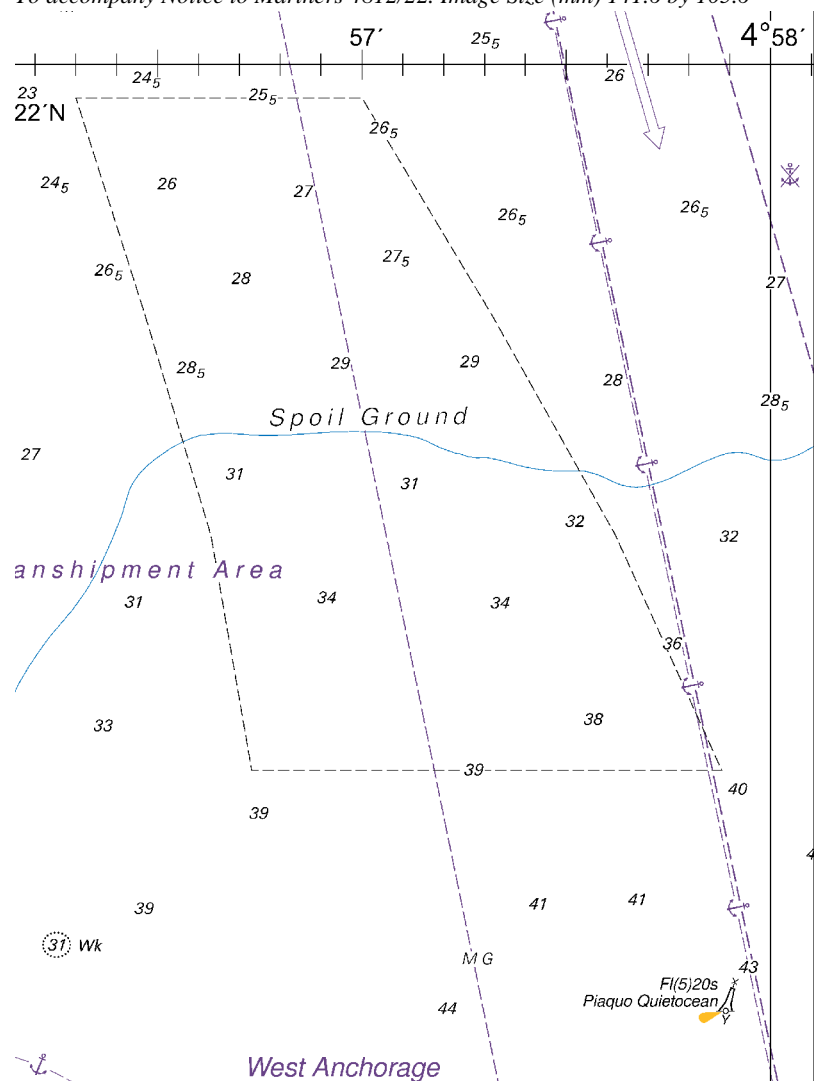
Block for Chart No 344

To accompany Notice to Mariners 4808/22. Image Size (mm) 60.3 by 139.9



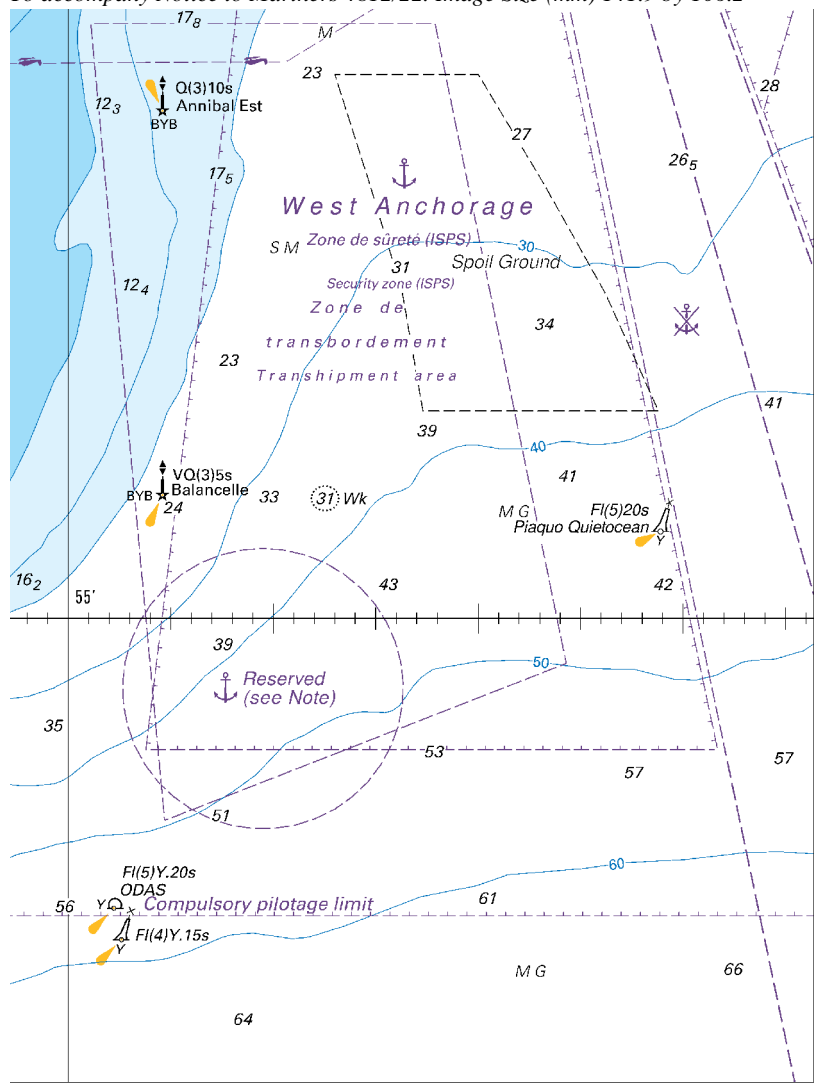
Block for Chart No 3471

To accompany Notice to Mariners 4812/22. Image Size (mm) 141.6 by 105.6



Block for Chart No 155


To accompany Notice to Mariners 4812/22. Image Size (mm) 141.9 by 106.2



Block for Chart No 2116

To accompany Notice to Mariners 4814/22. Image Size (mm) 41.3 by 60.4

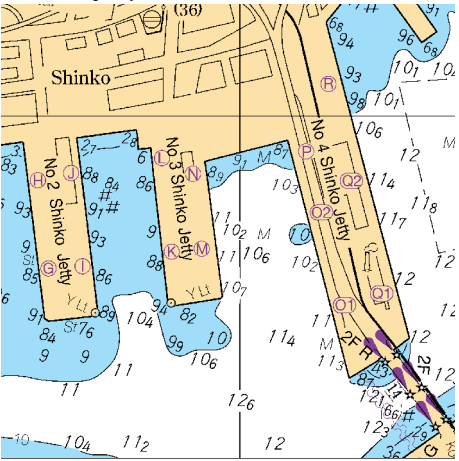
OMISSION OF DETAIL

Within the limit marked  and the coastline, this chart should only be used for planning purposes as features such as platforms, fixed structures, pipelines, cables, wrecks, obstructions and minor aids to navigation have been omitted due to their complexity and frequent change. Other detail is not updated by Notice to Mariners. For more detailed information, the largest scale US Government charts must be consulted.

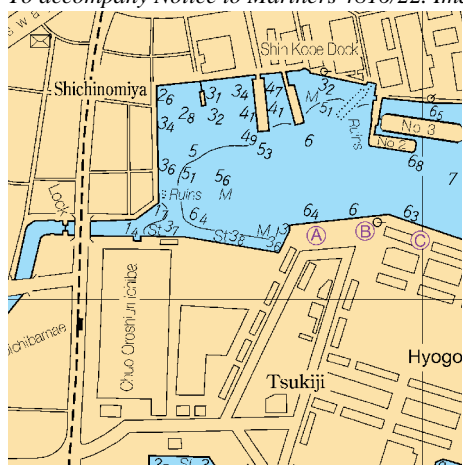
FISH HAVENS

Block for Chart No 3851

To accompany Notice to Mariners 4816/22. Image Size (mm) 60 by 60

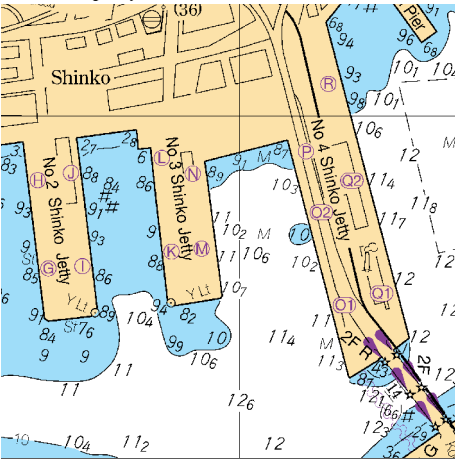


To accompany Notice to Mariners 4816/22. Image Size (mm) 60 by 60



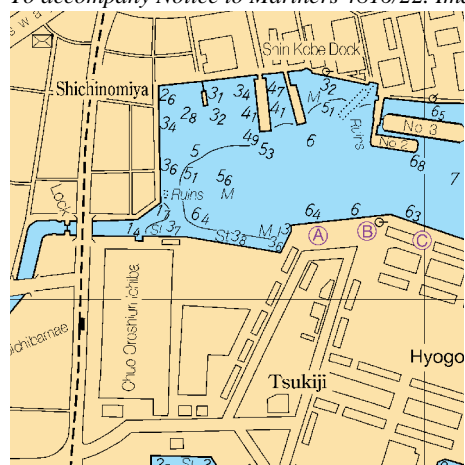
Block B for Chart No JP101A

To accompany Notice to Mariners 4816/22. Image Size (mm) 60 by 60



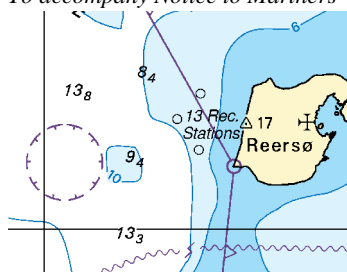
Block A for Chart No JP101B

To accompany Notice to Mariners 4816/22. Image Size (mm) 60 by 60



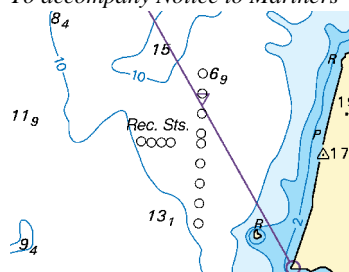
Block B for Chart No JP101B

To accompany Notice to Mariners 4830/22. Image Size (mm) 35 by 45



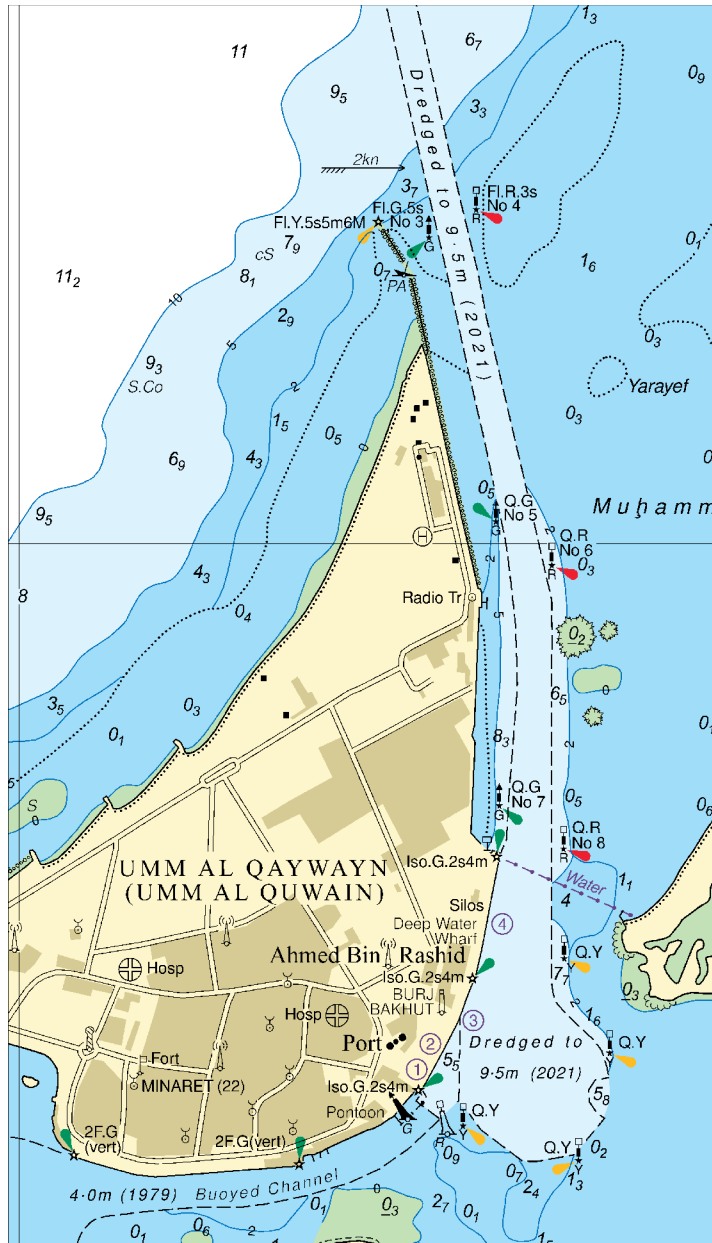
Block for Chart No 2106

To accompany Notice to Mariners 4830/22. Image Size (mm) 35 by 45



Block for Chart No 2596

To accompany Notice to Mariners 4831/22. Image Size (mm) 163.8 by 93.5



Block for Chart No 3405

III

NAVIGATIONAL WARNINGS

See *The Mariner's Handbook (2020 Edition)*. Only the most convenient ADMIRALTY Chart is quoted. All warnings issued within the previous 42 days are broadcast via Enhanced Group Call (EGC) and/or NAVTEX.

The complete texts of all in-force NAVAREA I warnings, including those which are no longer being broadcast, are available from www.admiralty.co.uk/RNW. Additionally, a quarterly cumulative list of the complete text of all in-force NAVAREA I Warnings is included in Section III of the Weekly NM Bulletin in Weeks 1, 13, 26 and 39 each year.

Alternatively, these may be requested by e-mail from NAVAREA I Co-ordinator at: navwarnings@ukho.gov.uk

The RNW web page also contains a link to the IHO website which allows direct access to all the other NAVAREA Co-ordinators around the world who have made their NAVAREA warnings available on the web.

Weekly Edition 48 published on the UKHO website 21 Nov 22.

Navarea I (NE Atlantic) *Weekly Edition 48*

The following NAVAREA I warnings were in force at 210500 UTC Nov 22.

2021 series: 031.

2022 series: 068, 168, 193, 194, 198, 203, 204.

Summary of Navarea I warnings issued since Weekly Edition 47:

- 201 SELF CANCELLING. Cancel Navarea I 100/22. Safety zone established, ANM 4516/22 refers.
- 202 GMDSS.
ENGLAND AND SCOTLAND EAST COAST, INCLUDING THE NORTH SEA AND THE SHETLAND ISLANDS.
Chart GB 2 (INT 160).
1. Cullercoats NAVTEX station (G), 55-04N 001-28W, off air daily between 0900 and 1700 UTC, from 16 to 18 Nov.
2. Cancel this message 181800 UTC Nov 22.
- 203 1. Navarea I warnings in force at 181000 UTC Nov 22. 2. Cancel 199/22.
- 204 1. RIGLIST. Correct at 210500 UTC Nov 22.
- Southern North Sea: 51N to 55N
- | | | | |
|-----|----------|-----------|--------------------------------------|
| | 52-29.8N | 004-13.0E | Valaris 123 ACP Q10-A |
| | 53-00.0N | 001-50.8E | Valaris 72 ACP Hewett Gas Field |
| | 53-11.0N | 002-05.9E | Noble Hans Deul ACP Southwark |
| | 53-13.9N | 002-37.4E | Seafox 4 ACP Corvette Gas Field |
| | 53-14.0N | 003-14.5E | 590021 ACP Allseas Test |
| | 53-19.4N | 002-34.5E | Seafox 7 ACP 49/23-AQ |
| | 53-21.0N | 002-17.6E | EnSCO 92 |
| | 53-32.2N | 004-12.2E | Maersk Resolute ACP L7-PQC |
| | 53-42.3N | 004-36.2E | Swift 10 ACP L5-B |
| NEW | Esbjerg | | Maersk Resolve |
| | 53-58.7N | 006-55.1E | Seafox 2 ACP Dolwin Beta |
| | 54-01.9N | 001-06.2E | Haeva ACP Ravenspurn North Gas field |
| NEW | 54-04.4N | 000-54.9E | Erda ACP 42/30-ST3 |
| | 54-05.1N | 002-01.6E | Valaris Gorilla V |
| | 54-34.2N | 002-17.6E | Prospector 1 ACP Cygnus Gas Field |
| NEW | 54-54.4N | 000-03.4W | Maersk Resilient |
- 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 |
| | 55-43.1N | 004-48.0E | Haven ACP Tyra Gas Field |
| | 56-15.1N | 003-21.0E | Maersk Integrator ACP Valhall Oil Field |
| | 56-22.6N | 003-16.0E | West Linus ACP Eldfisk Oil Field |
| | 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 |
| | 56-44.6N | 000-40.6E | Maersk Innovator |
| | 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 |

III

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
57-59.3N	000-06.4W	Well Safe Guardian
58-00.8N	000-55.4W	COSL Innovator
58-25.3N	000-32.9W	COSL Pioneer
58-48.4N	002-42.6E	Deepsea Atlantic
58-55.3N	002-11.8E	Maersk Invincible ACP Ivar Aasen
59-14.4N	002-26.9E	West Phoenix
59-14.5N	002-35.0E	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
60-31.7N	002-34.8E	Maersk Intrepid
60-43.7N	003-34.6E	Transocean Endurance
61-02.4N	002-20.2E	Noble Lloyd Noble ACP Valemon
64-24.6N	007-31.2E	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 Chartered Platform.
- C. For Rigs located North of 65N, East of 5W, refer to Navarea XIX Warnings or visit www.navarea-xix.no

2. Cancel 200/22.

UPDATES TO ADMIRALTY SAILING DIRECTIONS

NP5 South America Pilot Volume 1 (2021 Edition)

Brazil – Rio Pará – Ponta do Chapéu Virado to Ilha Mandií — Directions; wreck

97

Paragraph 3.156 3 lines 7–8 *Delete*

Brazilian Notice 5/1–41/22 [NP5–No 30–Wk 48/22]

Brazil – Rio Pará – Porto de Vila do Conde — Directions; wreck

99

Paragraph 3.165 2 lines 1–2 *Delete*

Brazilian Notice 5/1–41/22 [NP5–No 31–Wk 48/22]

NP18 Baltic Pilot Volume 1 (2022 Edition)

Sweden – The Sound – Höganäs — Berths

193

Paragraph 6.29 7 lines 1–6 *Replace by:*

- 7 **Alongside berths.** The west quay is 370 m in total length; the loading pier (165 m in length) on the N part of the quay has a dredged depth of 7.2 m (2021). Maximum vessel length is 130 m for the N part of the quay and 100 m for the S part of the quay.

Swedish Notice 908/16712/22 [NP18–No 9–Wk 48/22]

NP20 Baltic Pilot Volume 3 (2022 Edition)

Sweden – Gulf of Bothnia – Kågehamn — Anchorage; light

453

Paragraph 11.68 1 lines 1–2 *Replace by:*

- 1 **Outer anchorage.** Vessels may anchor 2 cables N of Bergskäret (64°48'57N 21°06'98E) (11.69).

Swedish Notice 906/16649/22 [NP20–No 4–Wk 48/22]

Sweden – Gulf of Bothnia – Kågehamn — Directions; beacon

454

Paragraph 11.69 1 *Replace by:*

- 1 **Approach from east-south-east.** From a position about 4 miles ENE of Kågnashällan Beacon (64°44'96N 21°18'17E) the track leads WNW, keeping the beacon (64°48'57N 21°06'98E) on Bergskäret, a wooded islet, ahead bearing 286.5°, whilst passing:
 NNE of Fördärvet (64°45'31N 21°24'40E), marked by a buoy (E cardinal), thence:
 NNE of Avbäran (64°45'94N 21°21'66E), a shoal, thence:
 SSW of Ersgrundet (64°47'52N 21°19'21E) a shoal, thence:

Paragraph 11.69 3–5 *Replace by:*

- 3 NNE of Väckan (64°47'87N 21°09'06E), a shoal with a depth of 5.5 m.
 Thence adjust course to pass 1¼ cables NE of Bergskäret and enter a narrow channel marked by buoys (lateral) which leads close SW of Kåge Prickgrund Light (white metal framework tower, concrete base) (64°48'84N 21°06'01E).
 Thence the track leads over patches of 7.3 m and 8.2 m before passing SSW of Dynggr (64°49'40N 21°04'25E), a low lying rock.
- 4 When Orrholmsudde (64°49'45N 21°03'15E), a point on the S side of the fjord, 1¾ miles WNW of Bergskäret, is abeam, the track alters WNW for the anchorage and harbour at Kågehamn.
- 5 **Caution:** At night, it is recommended to approach only from the ESE.

Paragraph 11.70 3 lines 3–5 *Replace by:*

Clearing bearing. The line of bearing 251° of the beacon on Bergskäret, just open S of Ostnäsudden, clears S of Karmasgrundet.

Swedish Notice 906/16649/22 [NP20–No 5–Wk 48/22]

NP22 Bay of Biscay Pilot (2019 Edition)

Spain - North coast - Bilbao - Ría de Bilbao — Directions; leading lights

240

Paragraph 9.150 3 lines 4–7 *Delete*

Paragraph 9.150 4 *Delete*

Paragraph 9.150 5 lines 1–5 *Replace by:*

- 5 Thence the best guide to Ría de Bilbao is the chart. Numerous light beacons (lateral; metal tripods 8 m in height) stand on both banks of the river; those marking the entrances to the various basins and to Canal de Deusto are preferred channel light beacons.

Spanish Notice 13/99/22 [NP22–No 55–Wk 48/22]

NP27 Channel Pilot (2022 Edition)**England – South coast – Portland Harbour —
Directions; leading lights****164**Paragraph 6.42 *1* line 5 *For* 124 m *Read* 120 mParagraph 6.42 *2* line 2 *For* 210° *Read* 209°Corr. Portland Harbour Authority (30/05/22)
[NP27-No 34-Wk 48/22]**England – South coast – Poole Harbour —
Arrival information; restricted areas****174**Paragraph 6.103 *3* *Replace by*:

- 3* **Restricted areas** surrounding historic wrecks exist in the approaches to Poole, centred on the following positions:

50°39'·50N 1°55'·55W;

50°39'·70N 1°54'·87W;

50°39'·87N 1°55'·52W.

For protection details see 1.92.

Corr. Historic England (06/06/22)
[NP27-No 33-Wk 48/22]**NP30 China Sea Pilot Volume 1 (2021 Edition)****Vietnam – Song Sai Gon – Cua Soirap to
Phami Point — Directions; obstruction****161**Paragraph 5.78 *5* lines 1–6 *Replace by*:

- 5* The recommended track then leads NNW for 2 miles through Nha Be River in the buoyed channel, passing clear of an obstruction (10°36'·20N 106°46'·67E), to a position abeam No 64 Light Beacon (10°37'·16N 106°45'·95E), where the river bends N, and is spanned by an overhead power cable (5.67) with a safe vertical clearance of 45 m.

Vietnamese Notice 96/22 [NP30-No 132-Wk 48/22]

Vietnam – East coast – Vung Ro — Depths**180***After* Paragraph 5.255 *2* line 8 *Insert*:**Controlling depth.** The recommended track has least depth of 12·1 m (2022).

Vietnamese Notice 23/22 [NP30-No 129-Wk 48/22]

**Vietnam – East coast – Vung Ro —
Directions; depths****180**Paragraph 5.255 *3* *Replace by*:

- 3* **Directions.** From the vicinity of a light buoy (safe water) (12°50'·59N 109°24'·72E), the recommended track leads NNW through a fairway, partially marked by light buoys (lateral), for about 1 mile.

The track then leads as required to the desired anchorage or berth.

Anchorage may be obtained, in depths from about 11 to 19 m, within the bay.**Berths.** A pier, 180 m in length, with depths alongside from about 6 to 11 m, extends in a SSE direction from the N side of Vung Ro, 2 miles NNE of Hon Nua; the root of the pier consists of a girder span connected to a stone causeway.

Mooring buoys for an LPG facility are moored about 2 cables W of the pier.

ENC V25VR001 (1.001) [NP30-No 130-Wk 48/22]

**Vietnam – East coast – Ile Tortue to
Mui Batangan — Directions; wreck****182***After* Paragraph 5.265 *1* line 4 *Insert*:

Clear of a dangerous wreck (14°30'·72N 109°12'·80E), reported (2022), thence:

Vietnamese Notice 84/22 [NP30-No 131-Wk 48/22]

Vietnam – East coast – Dung Quat — Pilotage**187***After* Paragraph 5.299 *1* line 7 *Insert*:

A pilot boarding place is also situated at 15°27'·57N 108°44'·93E.

Vietnamese Notice 20/22 [NP30-No 128-Wk 48/22]

NP31 China Sea Pilot Volume 2 (2021 Edition)**Indonesia – Regulations — Marine pollution****8**Paragraph 1.69 including heading *Replace by*:**Pollution of the sea****1.69**

- 1* It is prohibited to discharge garbage and waste matter into the sea, within Indonesian waters.

Flying of the national flag**1.69a**

- 1* The Indonesian national flag should be flown at sea when in Indonesian territorial waters. It should not be flown below any other flag, and it should not be smaller than the vessel's national ensign or any other flag displayed.

Indonesian Notice 9/102/22 [NP31-No 8-Wk 48/22]

NP32B China Sea Pilot Volume 4 (2022 Edition)**South Korea – South-west coast – Jangjuk Sudo
— Directions; ODAS buoy**

169

Paragraph 5.43 6 line 2 *Replace by:*

...where a light (5.42) is exhibited; an ODAS buoy (lit) is moored about 3¾ cables NNE of the point.

Korean Notice 16/307/22 [NP32B-No 2-Wk 48/22]

NP35 Indonesia Pilot Volume 3 (2021 Edition)**Indonesia – Celebes Sea – Pulau Makalehi —
Directions; wreck**

331

Paragraph 11.277 4 lines 4-7 *Replace by:*

E of Pulau Makalehi (2°44'·15N 125°10'·20E), a hilly island, from the W extremity of which Pulau Makalehi Light (11.276) is exhibited. A stranded wreck lies about 7 cables NE of the island. Thence:

ENC ID300183 (2.011) [NP35-No 15-Wk 48/22]

NP36 Indonesia Pilot Volume 1 (2021 Edition)**Indonesia – Regulations — Marine pollution**

7

Paragraph 1.55 including heading *Replace by:***Pollution of the sea****1.55**

1 Indonesian Government Laws prohibit the discharge of garbage and waste matter into the sea.

Flying of the national flag**1.55a**

1 The Indonesian national flag should be flown at sea when in Indonesian territorial waters (1.3). It should be flown not lower than any other flag, and it should not be smaller than the vessel's national ensign or any other flag displayed.

Indonesian Notice 9/102/22 [NP36-No 33-Wk 48/22]

**Indonesia – Sumatera – East coast –
Sungai Banyuasin — Depth**

116

*After Paragraph 6.68 2 line 3 Insert:***Depths****6.68a**

1 There is a least reported depth of 2 m (2022) within the two-way fairway (6.73).

Indonesian Notice 9/94/22 [NP36-No 34-Wk 48/22]

**Indonesia – Sumatera – East coast –
Sungai Banyuasin — Directions**

117

Paragraph 6.73 1-3 *Replace by:*

1 The river is entered between Tanjung Kampeh Light Beacon (white metal framework beacon, 16 m in height) (2°11'·28S 104°54'·94E) and Sungai Palembang No 1 Light Beacon (white triangle, apex down, on white metal framework structure, 11 m in height) (2°12'·42S 104°55'·77E), nearly 1½ miles SE. From a position 6½ cables SE of Tanjung Kampeh Light Beacon, the recommended track leads initially SW for about 7 miles, through a two-way fairway marked by light buoys (lateral), passing:

2 NW of a dangerous wreck (2°11'·90S 104°55'·42E), thence:

NW of Tanjung Apiapi, on which stands a light beacon (port hand) (2°17'·00S 104°50'·95E).

Thence the recommended track leads generally SSW for about 6 miles, to the vicinity of Zone Passenger anchorage (6.75a), passing:

3 ESE of a drying shoal (2°19'·64S 104°48'·71E); a second drying shoal, on which lies a stranded wreck, is situated 1¼ miles SSW.

The track then follows the N branch of the river, N of Pulau Rimau, to Ramba Oil Terminal (6.74).

4 Useful marks:

Sungai Palembang No 3 Light Beacon (2°14'·43S 104°54'·90E) (6.59) and No 4 Light Beacon (white triangle, apex down, on white metal framework tower, 12 m in height) (2°14'·86S 104°54'·56E).

5 Radio mast (6.54) standing at Tanjung Buyut (2°19'·28S 104°54'·88E).

Light beacon (starboard hand) (2°20'·48S 104°47'·34E).

Indonesian Notice 9/94/22; ENC ID400160 (5.007)

[NP36-No 35-Wk 48/22]

**Indonesia – Sumatera – East coast –
Sungai Banyuasin — Anchorage**

117

*After Paragraph 6.75 2 line 5 Insert:***Anchorage and harbours****Zone Passenger Anchorage****6.75a**

1 Zone Passenger Anchorage (2°22'·09S 104°48'·11E), situated within Sungai Banyuasin (6.67), has a reported depth of about 2 m (2022).

Indonesian Notice 9/94/22 [NP36-No 36-Wk 48/22]

**NP43 South and East Coasts of Korea,
East Coast of Siberia and Sea of Okhotsk Pilot
(2020 Edition)**

**South Korea – East coast – Gangneung Anin —
Directions; turning basin**

203

Paragraph 4.184a existing Section IV Notice Week 34/22
Replace by:

Anchorage and harbours

**Gangneung Anin
4.184a**

¹ **General information.** Works are in progress (2022), on the construction of a detached breakwater (37°44'·96N 128°59'·67E) and a bulk terminal jetty (37°44'·85N 128°59'·37E), NNE of Anindan (4.180). These works are part of the Gangneung Anin power plant development.

² Aninjin Hang (37°44'·17N 128°59'·38E), a small fishing harbour, is situated 3 cables S of Anindan; lights (round concrete towers, 10 m in height) are exhibited from the breakwater heads.

Directions. A two-way fairway has been established inshore of the detached breakwater; a turning basin, radius 300 m, is situated at the NW entrance to the fairway.

A number of marine farms lie in both the approaches to and within the fairway.

³ **Useful marks:**

Aninhwaryeok S Breakwater Light (red post, 14 m in height) (37°44'·62N 128°59'·99E).

Aninhwaryeok N Breakwater Light (yellow concrete, 14 m in height) (37°45'·15N 128°59'·31E).

⁴ Aninhwaryeok S Jetty Light (yellow pile, 9 m in height) (37°44'·79N 128°59'·48E).

Aninhwaryeok N Jetty Light (yellow pile, 8 m in height) (37°44'·92N 128°59'·28E).

Anchorage. An anchorage area (37°45'·35N 129°00'·76E), 660 m radius, is situated ENE of the development; depths of 40 to 70 m, rock and mud.

Korean Notice 16/299/22 [NP43-No 80-Wk 48/22]

**NP47 Mediterranean Pilot Volume 3
(2020 Edition)**

Croatia – Stonski Kanal — Vertical clearance

198

After Paragraph 7.87 ¹ line 6 *Insert:*

Vertical clearance. A bridge (42°49'·53N 17°42'·54E), vertical clearance unknown, spans the channel.

Croatian Notice 2/19/22 [NP47-No 86-Wk 48/22]

NP54 North Sea (West) Pilot (2021 Edition)

**England – East coast – King's Lynn —
Pilotage; buoy**

195

Paragraph 8.96 ¹ lines 8-9 *For* (52°56'·00N 0°21'·50E)
Read (52°56'·00N 0°23'·00E)

KLCB Notice 6/22 [NP54-No 12-Wk 48/22]

England – East coast – King's Lynn — Directions

196

Paragraph 8.102 including heading *Replace by:*

**Roaring Middle Light Float to Bull Dog Channel
8.102**

¹ From the vicinity of Roaring Middle Light Float (52°58'·64N 0°21'·08E) the route leads 3 miles SSE to the vicinity of No 1 Light Buoy (special) (52°56'·00N 0°23'·00E) for Bull Dog Channel (52°53'·40N 0°22'·70E), the main approach channel to Lynn Cut.

KLCB Notice 6/22 [NP54-No 13-Wk 48/22]

England – East coast – King's Lynn — Directions

197

Paragraph 8.103 ¹⁻² including heading *Replace by:*

**Bull Dog Channel to Lynn Cut
8.103**

¹ From No 1 Light Buoy (special) (52°56'·00N 0°23'·00E) the route leads 8 miles in a generally S direction to the entrance to Lynn Cut. The narrow channel is marked by light buoys (lateral), which are moved frequently as the channel changes, and passes:

² E of Old Bell Middle (52°54'·00N 0°22'·20E) and Blackguard Sand (52°53'·10N 0°22'·00E), two drying shoals, thence:

Through Pandora Sand (52°50'·80N 0°21'·25E), a tidal flat.

KLCB Notice 6/22 [NP54-No 14-Wk 48/22]

England – East coast – King's Lynn — Directions

197

Paragraph 8.106 ¹ lines 1-2 *Replace by:*

¹ Teetotal Channel (52°52'·90N 0°18'·30E), Daseley's Sled (52°53'·60N 0°21'·40E) and Cork Hole...

KLCB Notice 6/22 [NP54-No 15-Wk 48/22]

**NP67 West Coasts of Spain and Portugal Pilot
(2021 Edition)**

**Portugal – Porto de Sines — Directions;
leading lights**

154

After Paragraph 5.280 4 line 7 Insert:

Multi-purpose Terminal Leading Lights:

Front light (post, 5 m in height) (37°56'35N
8°51'34W).

Rear light (similar structure, 8 m in height) (75 m
from front light).

From a position about 4¾ cables NNW of the head
of Molhe E Light (37°56'33N 8°51'96W) (5.278), at
NE limit of anchorage area C (5.280a), the alignment
of these lights (127.7°) leads to the NE-facing quay of
the Multi-purpose Terminal (5.286).

Portuguese Notice 5/201/22 [NP67-No 25-Wk 48/22]

UPDATES TO ADMIRALTY LIST OF LIGHTS AND FOG SIGNALS

NP74, Vol A Edition 2022. Weekly Edition No. 48, Dated 01 December 2022.

Last Updates: Weekly Edition No. 47, dated 24 November 2022.

A0081	- Par Harbour. Killyvarder Rock	50 20.35 N 4 41.73 W	Fl G 3s	..	..	Beacon	..
*	*	*	*	*	*	*	*
A1251-7	- Port du Havre-Antifer. Digue Maurice Thieullent. Post 2	49 40.21 N 0 07.99 E	Dir WRG 6s	9	W12 R 8 G 8	White pylon, red top	<i>ec 1, lt 1, ec 1, lt 3.</i> Oc(2) R337°-347°(10°). Oc(2) G347°-357°(10°). Oc(2) W357°-000°(3°). Oc(2) R000°-003°(3°)
FR, L1, 09560							
				*	*	*	
A6333-8	- Inisheer	53 04.10 N 9 31.34 W	Fl WRG 5s	..	8	Pole 3	G093°-150°(57°), W150°-266°(116°), R266°-290°(24°)
*	*	*	*	*	*	*	*
A7310	KINSALE HEAD GASFIELD Remove from list; deleted						
A7320	KINSALE HEAD GASFIELD Remove from list; deleted						
A7576-4	VULCAN GASFIELD Remove from list; deleted						

NP77, Vol D Edition 2022. Weekly Edition No. 48, Dated 01 December 2022.

Last Updates: Weekly Edition No. 47, dated 24 November 2022.

D1557-4	- Punta del Rostro. P-3	43 26.95 N 3 46.55 W	Fl(2)G 7s	5	3	Green post	<i>fl 0.5, ec 1.5, fl 0.5, ec 4.5</i>
ES, I, 01198	---	..	AIS	..	..	..	MMSI No 992241173
*	*	*	*	*	*	*	*
D2591-4	- Contre-Digue. Head	33 07.51 N 8 38.23 W	Iso G 4s	14	6	Beacon 10	..
FR, L2, 17160						*	
D3176	RADE DE KPÉMÉ - Kpémé. Wharf. Head	6 11.91 N 1 31.02 E	Oc(2)W 6s	25	11	Pylon	<i>ec 1, lt 1, ec 1, lt 3</i>
FR, L2, 30000							*

NP78, Vol E Edition 2022. Weekly Edition No. 48, Dated 01 December 2022.

Last Updates: Weekly Edition No. 47, dated 24 November 2022.

E0838	- Eze-Bord-de-Mer. Port de Silva-Maris. SE Jetty. Head	43 43.01 N 7 21.10 E	Fl(2)R 6s	5	5	White column, red base and lantern 4	<i>fl 1, ec 1, fl 1, ec 3</i>
FR, L1, 62600						*	*

V

NP78, Vol E Edition 2022 *continued.*

E6366-65 FR, L2, 03340	- Île Chergui. Ennajet El Kraten. E Jetty. Head	34 49-70 N 11 15-40 E	Fl R 5s	10	6 ..	Fl G 4s on nearby West Pier
						*
E6372-8 TN, , 3580 FR, L2, 03920	Bkalta. Fishing Port. E Side	35 37-80 N 11 02-34 E	Fl G 4s	9	7 ..	<i>fl 1</i>
						*

NP79, Vol F Edition 2022. Weekly Edition No. 48, Dated 01 December 2022.

Last Updates: Weekly Edition No. 47, dated 24 November 2022.

F0908	- Dhanushkodi	9 10-65 N 79 25-12 E	Fl(3)W 20s	53	15 Red and white chequered 49	..
				*	* .. *	
F0978	Bhimunipatnam. Near Port Office	17 53-45 N 83 27-35 E	Fl(3)W 15s	12	15 White round masonry tower 23	<i>fl 0-3.</i> Storm Signals
		*	*	*	* .. *	*
F2359-82 PH, , 0742	- Cansilan Point (PH:CG)	9 23-00 N 122 40-50 E	Fl W 10s	..	.. ..	..
			*			*

NP80, Vol G Edition 2022. Weekly Edition No. 48, Dated 01 December 2022.

Last Updates: Weekly Edition No. 47, dated 24 November 2022.

G0717-5	- Muelle C	34 53-65 S 56 12-03 W	Fl R 5s	..	1 Red beacon	..
*	*	*	*	*	* .. *	*
G0718	BAÍA DE MONTEVIDEO. PUERTO DE MONTEVIDEO Remove from list; deleted					

NP81, Vol H Edition 2022. Weekly Edition No. 48, Dated 01 December 2022.

Last Updates: Weekly Edition No. 47, dated 24 November 2022.

H4161-02	COOPER ISLAND Remove from list; deleted
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V

NP82, Vol J Edition 2022. Weekly Edition No. 48, Dated 01 December 2022.
 Last Updates: Weekly Edition No. 47, dated 24 November 2022.

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 *	* *
J1285-7	DELAWARE BAY 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 . . *	. . *	* *
J1286	DELAWARE BAY Remove from list; deleted						
J1286-2 US, II, 2305 *	- Murderkill River. Ldg Lts 247-7°. Front. No 7 *	39 03-50 N 75 23-77 W *	Fl G 2-5s *	8 * *	. . *	* *
J1551	CHESAPEAKE BAY Remove from list; deleted						
J1746 US, II, 22695 *	- Broad Creek. Channel. No 12 *	37 56-08 N 75 51-42 W *	Fl R 2-5s *	5 *	3 Red Δ on pile *	. . *	* *
J1912-5 US, II, 17910 *	- No 14 *	38 21-38 N 77 13-42 W *	Fl R 2-5s *	5 *	4 Red Δ on pile *	. . *	* *
J1912-8 US, II, 17930 *	- No 15 *	38 21-99 N 77 15-00 W *	Fl G 2-5s *	5 *	4 Green □ on pile *	. . *	* *
J1917-5 US, II, 17945 *	- No 17 *	38 23-50 N 77 15-82 W *	Fl G 4s *	5 *	4 Green □ on pile *	. . *	* *
J1920 US, II, 18055 *	- No 23 *	38 29-08 N 77 16-92 W *	Fl G 2-5s *	5 *	4 Green □ on pile *	. . *	* *
J1963-3 US, II, 18740 *	- Georgetown. No 4 *	38 52-10 N 77 01-88 W *	Fl R 4s *	5 *	4 Red Δ on pile *	. . *	* *
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 *	. . *	* *

NP82, Vol J Edition 2022 *continued.*

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 *
J5850	GULF OF PARIA. BOCA DE MONOS Remove from list; deleted						
J5895	GULF OF PARIA. CLAXTON BAY. POINTE À PIERRE - 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 *

NP83, Vol K Edition 2022. Weekly Edition No. 48, Dated 01 December 2022.
Last Updates: Weekly Edition No. 47, dated 24 November 2022.

K5025-4 FR, L2, 66360	- Passe Mahanatoa (FR)	23 51-08 S 147 40-37 W	Fl R 2.5s	3	5	Red □ on red column 9	<i>fl 0-5.</i> TE 2022 *
K5025-7 FR, L2, 66340	- Passe Mahanatoa (FR)	23 51-07 S 147 40-46 W	Fl G 2.5s	3	5	Green △ on green column 10	<i>fl 0-5.</i> TE 2022 *

NP85, Vol M Edition 2022. Weekly Edition No. 48, Dated 01 December 2022.
Last Updates: Weekly Edition No. 47, dated 24 November 2022.

M4146-5 KR, 410, 3710	Manderiyeo	37 36-07 N 126 15-23 E	Q(3)W 10s	14	7	⊕ on black concrete tower, yellow band 16 *	..
M4164-4 KR, 410, 3501-1	- Tagubongdo	37 17-28 N 126 31-98 E	Q(9)W 15s *	11	7	∇ on yellow concrete tower, black band 17	..
M4167-3 KR, 410, 3562	- Baedongyeo	37 22-93 N 126 27-13 E	Fl(2)W 5s	9	7	Black ⊗ on black beacon, red band 12 *	..
M4172-45 KR, 410, 3509	- Siheung. Sorae Pogu Bridge. Centre, C1, C2 --- L1, L2 --- R1, R2 --- P1 - P4	37 23-94 N 126 44-46 E	F W F G F R F Y	6 6 6 6	7 7 7 7	White ○, red stripes Green □ Red △ ..	.. .. .. ..
*	*	*	*	*	*	*	*

V

NP85, Vol M Edition 2022 *continued.*

M4206-363 KR, 410, 3161-1	- Seogeunnyeou	35 47-58 N 126 25-08 E	Q(6)+LFl W 15s	15	8 ∇ on black beacon, yellow top 19 *	..
M4206-369 KR, 410, 3162-9	- Seonyudo NW	35 48-45 N 126 24-04 E	Q(9)W 15s	10	8 ∇ on yellow concrete tower, black band *	..
M4206-815 KR, 410, 3152-6	- Biando	35 43-95 N 126 28-71 E	Q(3)W 10s	17	7 ⚔ on black round concrete tower, yellow band 21 *	..
	*					
M4206-83 KR, 410, 3152	- Wido. North-eastward	35 39-21 N 126 24-47 E	Fl(2)W 5s	14	8 Black ♂ on black beacon, red band 14 *	..
M4206-93 KR, 410, 3149-3	- Sooechido	35 35-02 N 126 17-70 E	Fl W 5s	11	8 White round concrete tower 11 *	..
M4206-955 KR, 410, 3149-4	-	35 34-02 N 126 16-01 E	Fl W 4s	19	8 White round concrete tower 10 *	..
M4207-2 KR, 410, 3149-7	GOGUNSAN GUNDO - Baejamyeo	35 35-83 N 126 13-66 E	Fl(2)W 5s	12	7 Black round concrete tower, red band 16 *	..
M4207-3 KR, 410, 3150-5 KR, 410, 4601-1	- Heukseou --	35 37-14 N 126 21-80 E ..	Fl(2)W 5s AIS	17 ..	7 Black ♂ on black beacon, red band 12 * ..	W223°-213°(350°) MMSI No 994403658
M4219-95 KR, 410, 3068-1	Seodo	34 40-69 N 126 09-09 E	Q W	12	10 Black ⚠ on black and yellow round concrete tower 15 * * * * * * *	..
M4229-8 KR, 410, 3105-8	- Jangguseou	34 43-66 N 125 52-59 E	Fl W 5s *	17	10 White round concrete tower 9	..
M4254 KR, 410, 2661 KR, 410, 4126 KR, 410, 4372 KR, 410, 4599	Marado - - -	33 07-00 N 126 16-16 E	Fl W 10s Horn 30s Racon AIS *	64	26 White round concrete tower 32 .. .. .. ..	.. <i>bl 5</i> ALRS Vol 2 Station 82640 MMSI No 994403891 *
M4254-92 KR, 410, 2657-2	Hwasun Hang. Outer Breakwater. B	33 14-01 N 126 20-22 E	Fl(4)Y 8s	6	8 × on yellow round steel pipe 17 *	TE 2022

V

NP85, Vol M Edition 2022 *continued.*

M4271 KR, 410, 2618	Bandatan	33 31.21 N 126 54.51 E	Fl R 6s	12	8 Red \triangle on red 8-sided concrete tower 10	TE 2022	*
M4278-2 KR, 410, 2604	Jukguldo	34 13.99 N 126 25.18 E	Fl W 6s	49	9 White round concrete tower 10 *	W351°-345°(354°)	
M4310-19 KR, 410, 2023	Hodusanmal	34 43.95 N 127 51.55 E	Fl R 4s	11	9 Red round concrete tower 8 * * *	..	*
M4330-23 KR, 410, 2217.21	Gyedo	34 58.64 N 128 30.76 E	Q W	8	7 \triangle on black round concrete tower, yellow band 8 * * *	..	*
M4331-75 KR, 410, 2168.3 KR, 410, 4354.1 KR, 410, 4533	Daeyeongdaedo (Southward of Geojedo)	34 40.91 N 128 37.59 E	Fl G 5s	25	9 Green \square on green round concrete tower 23	G225°-089°(224°). TE 2022	
	-	..	AIS	..	.. ..	MMSI No 994401599 *	
M4353-2 KR, 410, 2051-1	Namuseom. Eastward	34 58.80 N 128 59.84 E	Q(3)W 10s	14	8 \diamond on black round concrete tower, yellow band 13	TE 2022	*
M4377-59 KR, 410, 1439.43	Wollae Hang. W Breakwater. W End. No A	35 19.37 N 129 16.65 E	Fl Y 4s	8	7 Yellow \times on yellow post 15 * *	..	
M4377-591 KR, 410, 1439.52	Wollae Hang. No K	35 19.36 N 129 16.74 E	Fl Y 4s	8	7 Yellow \times on yellow post 15 * *	Marks area between Central & Western Breakwaters	
M4377-592 KR, 410, 1439.44	Wollae Hang. No B	35 19.39 N 129 16.74 E	Fl Y 4s	8	7 Yellow \times on yellow post 15 * *	Marks area between Central & Western Breakwaters	
M4377-593 KR, 410, 1439.51	Wollae Hang. No J	35 19.36 N 129 16.77 E	Fl Y 4s	8	7 Yellow \times on yellow post 15 * *	Marks area between Central & Western Breakwaters	
M4377-594 KR, 410, 1439.45	Wollae Hang. No C	35 19.39 N 129 16.77 E	Fl Y 4s	8	7 Yellow \times on yellow post 15 * *	Marks area between Central & Western Breakwaters	
M4377-595 KR, 410, 1439.50	Wollae Hang. No H	35 19.36 N 129 16.97 E	Fl Y 4s	8	7 Yellow \times on yellow post 15 * *	Marks area between Central & Eastern Breakwaters	

V

NP85, Vol M Edition 2022 *continued.*

M4377-596 KR, 410, 1439-46	Wollae Hang. No D	35 19-39 N 129 16-97 E	Fl Y 4s	8	7 Yellow × on yellow post 15	Marks area between Central & Eastern Breakwaters
				*	*	
M4377-597 KR, 410, 1439-49	Wollae Hang. No G	35 19-36 N 129 17-00 E	Fl Y 4s	8	7 Yellow × on yellow post 15	Marks area between Central & Eastern Breakwaters
				*	*	
M4377-598 KR, 410, 1439-47	Wollae Hang. No E	35 19-39 N 129 17-00 E	Fl Y 4s	8	7 Yellow × on yellow post 15	Marks area between Central & Eastern Breakwaters
				*	*	
M4377-599 KR, 410, 1439-48	Wollae Hang. E Breakwater. E End. No F	35 19-37 N 129 17-10 E	Fl Y 4s	8	7 Yellow × on a yellow post 15	..
				*	*	
M4395 KR, 410, 1356-9	Jeonhaman	35 30-46 N 129 26-90 E	Fl(2)R 6s	16	11 Red round tower 9	TE 2022
						*
M4433-36 KR, 410, 1264-17 *	Gangwondo. Hosan Hang. S Training Dike	37 09-60 N 129 21-51 E *	Fl(4)Y 8s *	8 *	9 × on Yellow round steel post *	.. *
M4458-83 KR, 410, 1221-3 *	Bongpori. Breakwater. No 1	38 15-32 N 128 33-94 E *	Fl G 4s *	13 *	7 Green □ on green metal pipe 19 *	.. *
M4458-84 KR, 410, 1221-4 *	Bongpori. Breakwater. No 2	38 15-36 N 128 33-91 E *	Fl R 4s *	13 *	7 Red △ on red metal pipe 19 *	.. *
M5681-1 *	AKI NADA. HIROSHIMA WAN - Itsuku Shima. Breakwater	34 18-43 N 132 20-16 E *	F R *	.. * *	.. *
M6770-55 JP, 411, 0090-3	Shiraoui Ko. Detached Breakwater. E	42 33-10 N 141 22-34 E *	Fl Y 4s	3	3 Yellow × on yellow beacon	..

NP86, Vol N Edition 2022. Weekly Edition No. 48, Dated 01 December 2022.

Last Updates: Weekly Edition No. 47, dated 24 November 2022.

N3999-6 *	Liménas Katakólou. Pier. Head	37 38-98 N 21 19-34 E *	Fl G 2s *	3 *	3 .. *	Private
					*	*

V

NP88, Vol Q Edition 2022. Weekly Edition No. 48, Dated 01 December 2022.
Last Updates: Weekly Edition No. 47, dated 24 November 2022.

Q3350	- Kokas	2 41-93 S	Fl Y 2s	11	5 Yellow post	<i>fl 0-5</i>
ID., 6080	(ID)	132 26-47 E			10	
		*		*	*	*

Q3352 WEST PAPUA
Remove from list; deleted

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.

UPDATES TO ADMIRALTY LIST OF RADIO SIGNALS

Weekly Edition No. 48 dated 01 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)

VOLUME 1, NP281(1), Third Edition, 2022

Published Wk 42/22

(Last Updates: Weekly Edition No. 47 dated 24 November 2022)

MARITIME RADIO STATIONS

PAGE 207, MOROCCO. AGADIR MRSC.

Delete entry

[Moroccan National SAR Coordinator correspondence \(RSDRA2022000280988\) 48/22](#)

PAGE 208, MOROCCO, diagram, Morocco - Atlantic Coast, Maritime Radio Stations, MRCC & MRSC.

Delete diagram and replace by new diagram on page 6.2

[Moroccan National SAR Coordinator correspondence \(RSDRA2022000280988\) 48/22](#)

PAGE 209, MOROCCO. AL HOCEIMA MRSC.

Delete entry

[Moroccan National SAR Coordinator correspondence \(RSDRA2022000280988\) 48/22](#)

PAGE 209, MOROCCO. DAKHLA MRSC.

Delete entry

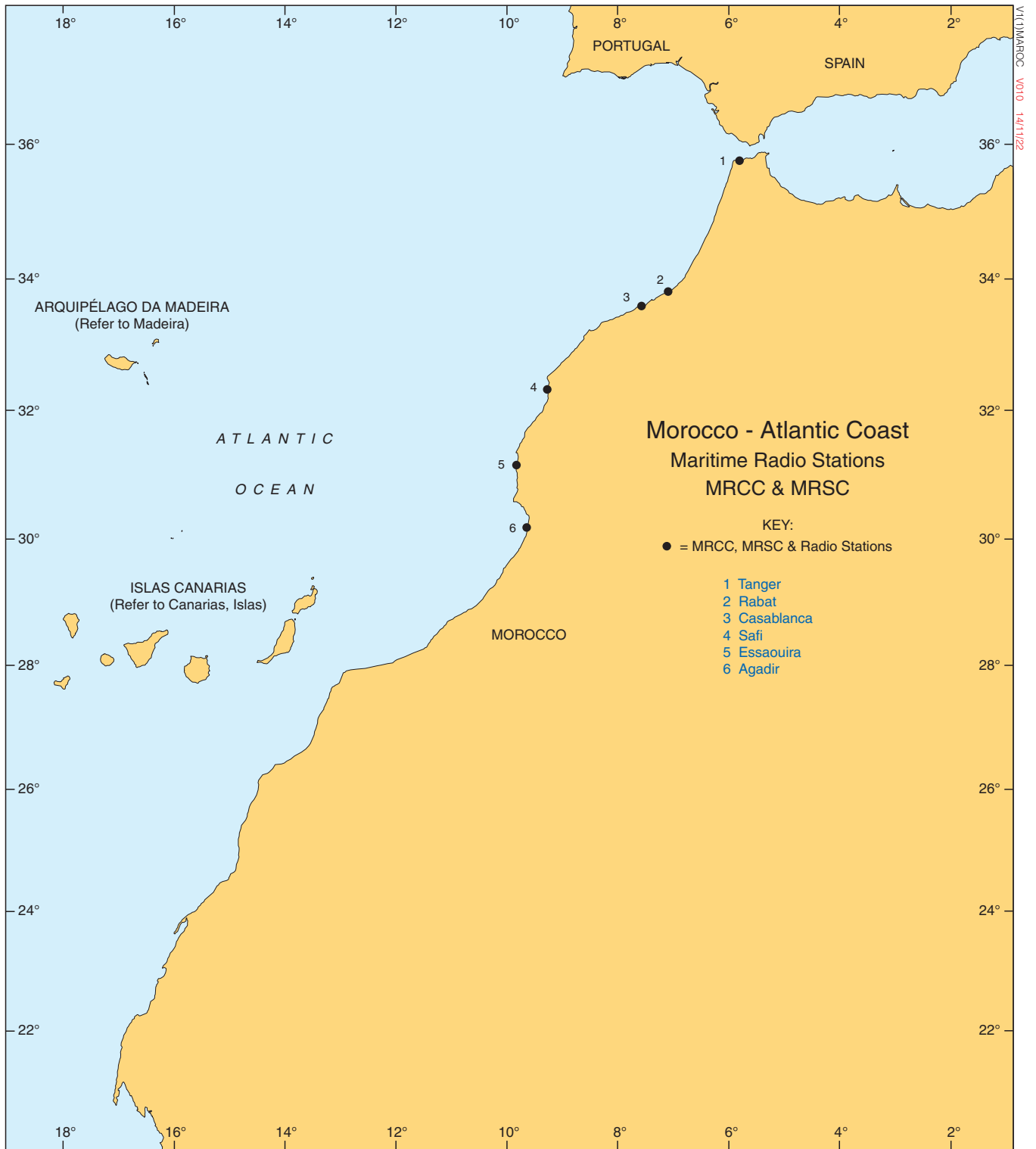
[Moroccan National SAR Coordinator correspondence \(RSDRA2022000280988\) 48/22](#)

PAGE 211, MOROCCO. TANGER MRSC.

Delete entry

[Moroccan National SAR Coordinator correspondence \(RSDRA2022000280988\) 48/22](#)

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VOLUME 2, NP282(1), Third Edition, 2022 Published Wk 12/22 (Last Updates: Weekly Edition No. 47 dated 24 November 2022)

RADAR BEACONS

PAGE 18, DENMARK.
56790 Kriegers Flak Offshore Windfarm Platform.
Delete entry and replace by:

Kriegers Flak A Offshore Wind Farm Turbine 04Q	55°03'·21N 12°46'·07E	3				U		56790
--	-----------------------	---	--	--	--	---	--	-------

Danish Notice 44/923/22 (RSDRA2022000281029) 48/22

AUTOMATIC IDENTIFICATION SYSTEM (AIS)

PAGE 110, ICELAND.
NOAA Scientific Buoy.
Delete entry

(former update 28/22)
ENC_IS100015_ED4_001 (RSDRA2022000275548) 48/22

PAGE 120, IRELAND.
Kinsale Head Gas Field Offshore Platform Alpha.
Delete entry

PSE Kinsale Energy Limited correspondence (RSDRA2022000240362) 48/22

PAGE 120, IRELAND.
Kinsale Head Gas Field Offshore Platform Bravo.
Delete entry

PSE Kinsale Energy Limited correspondence (RSDRA2022000240362) 48/22

VOLUME 2, NP282(2), Third Edition, 2022 Published Wk 12/22 (Last Updates: Weekly Edition No. 47 dated 24 November 2022)

AUTOMATIC IDENTIFICATION SYSTEM (AIS)

PAGE 168, CHINA, below Longwan Submerged Dyke Lt Bn No 3.
Insert:

Longyuan Jiangsu Dafeng H7 Offshore Wind Farm Lt Bn No 1	33°19'·37N 121°18'·72E	994141444	Broadcasts every 3 minutes	Real	
Longyuan Jiangsu Dafeng H7 Offshore Wind Farm Lt Bn No 2	33°17'·44N 121°18'·88E	994141445	Broadcasts every 3 minutes	Real	
Longyuan Jiangsu Dafeng H7 Offshore Wind Farm Lt Bn No 4	33°17'·19N 121°14'·88E	994141446	Broadcasts every 3 minutes	Real	
Longyuan Jiangsu Dafeng H7 Offshore Wind Farm Lt Bn No 17	33°19'·41N 121°14'·92E	994141451	Broadcasts every 3 minutes	Real	
Longyuan Jiangsu Dafeng H7 Offshore Wind Farm Lt Bn No 20	33°14'·64N 121°17'·21E	994141452	Broadcasts every 3 minutes	Real	
Longyuan Jiangsu Dafeng H7 Offshore Wind Farm Lt Bn No 22	33°14'·69N 121°13'·00E	994141453	Broadcasts every 3 minutes	Real	
Longyuan Jiangsu Dafeng H12 Offshore Wind Farm Lt Bn No 5	33°17'·59N 121°13'·23E	994141447	Broadcasts every 3 minutes	Real	
Longyuan Jiangsu Dafeng H12 Offshore Wind Farm Lt Bn No 10	33°18'·32N 121°03'·25E	994141448	Broadcasts every 3 minutes	Real	

Continued on next page
Wk48/22

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Longyuan Jiangsu Dafeng H12 Offshore Wind Farm Lt Bn No 11	33° 19' 46N 121° 02' 85E	994141449	Broadcasts every 3 minutes	Real	
Longyuan Jiangsu Dafeng H12 Offshore Wind Farm Lt Bn No 16	33° 19' 46N 121° 13' 06E	994141450	Broadcasts every 3 minutes	Real	

Chinese Notice 43/1452/22 (RSDRA2022000280866) 48/22

VOLUME 3, NP283(1), Third Edition, 2022

Published Wk 48/22
First updates in Wk 48/22

RECORD OF UPDATES

PAGE ii, NEW EDITION, First Updates.

Insert:

This edition was published in Wk 48/22

First updates issued in Wk 48/22

UKHO 48/22

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EGC SERVICES

PAGE 22, EGC MSI Broadcast Systems Operational Information, NAVIGATIONAL INFORMATION table.
Delete and replace by:

NAVAREA	NAVIGATIONAL INFORMATION			
	COORDINATOR	EGC Services Broadcast Times (UTC)	INMARSAT C Ocean Region	IRIDIUM Operational Status
I	United Kingdom	0530, 1730	AOR-E, IOR	On Trial
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			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

NAVAREA VII, XI and XV Coordinators (RSDRA2022000281308, RSDRA2022000280839 & RSDRA2022000280837) 48/22

RADIO WEATHER SERVICES AND NAVIGATIONAL WARNINGS

PAGE 88, DENMARK.
FIRING PRACTICE AREAS, contacts table, row 8.
Delete:

EK D 352 Lysegrund N EK D 353 Lysegrund S		Lyngby Radio, Tel: +45 72198410	56°17'00N 11°50'00E
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and replace by:

EK R 22 Hesselø E		Lyngby Radio, Tel: +45 72198410	56°13'00N 11°52'00E
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Danish Maritime Authority correspondence (RSDRA2022000237947, RSDRA2022000251351 & RSDRA2022000263768) 48/22

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**PAGE 99, FINLAND.
TURKU (OFK).**
Delete entry and replace by:

TURKU (OFK)				
Control Centre: 60°09'·78N 21°42'·55E				
	Ch 04	VHF	Espoo	60°10'·66N 24°38'·41E
	Ch 19 ¹ 26		Eurajoki	61°16'·88N 21°41'·90E
	Ch 05		Geta	60°23'·20N 19°50'·85E
	Ch 07		Hammarland	60°11'·37N 19°44'·28E
	Ch 03		Hanko	59°50'·24N 22°56'·09E
	Ch 07 ¹ 26		Ii	65°32'·33N 25°15'·66E
	Ch 04 ¹ 25		Järsö	60°01'·14N 20°00'·06E
	Ch 25 82 ¹		Kotka	60°27'·27N 26°56'·98E
	Ch 03 ¹ 24		Kristiinakaupunki	62°16'·63N 21°24'·10E
	Ch 01 ¹ 28		Kruunupyy	63°44'·10N 23°30'·55E
	Ch 04 ¹ 25		Mustasaari	63°12'·52N 21°32'·01E
	Ch 23		Nauvo	60°09'·78N 21°42'·55E
	Ch 05 ¹ 84		Raahe	64°40'·99N 24°32'·05E
	Ch 24 79 ¹		Utö	59°46'·85N 21°22'·08E
	Ch 01		Uusikaupunki	60°48'·40N 21°29'·00E
	Ch 24 79 ¹		Virolahti	60°36'·32N 27°50'·20E
Diagrams pages 100, 192, 314 and 315				
Weather Bulletins	0633 1833	Weather forecast for Sea Areas B1–B5 and B7 including wave heights in the Northern Baltic in English.		
Navigational Warnings	On receipt	Gale warnings for Sea Areas B1–B5 and B7 in English.		
	0233 0633 1033 1433 1833 2233	Gale warnings for Sea Areas B1–B5 and B7, wave height information and coastal Navigational Warnings in English. Local Navigational Warnings in English.		
	0803	Icebreaker positions in English during the season.		
	1033 1833	Ice reports in English during the season.		
¹ With effect from 16th November 2022 this channel will replace the existing broadcast channel.				
NOTE(S): On request, Navigational Warnings may also be broadcast in Finnish or Swedish on Turku Radio's working channels.				

Fintraffic Vessel Traffic Services Ltd correspondence (RSDRA2022000263758) 48/22

**PAGES 183, 184, and 185, NORWAY.
NORWEGIAN COASTAL RADIO NORTH (LGP).**
Delete entry and replace by:

NORWEGIAN COASTAL RADIO NORTH (LGP)					
Control Centre: 67°16'·29N 14°23'·29E					
A	4210	RADIO-TELEX	Hammerfjell (Hammerfest) HF Aerial	70°43'·01N 23°47'·54E	
B	8416·5		RT (HF)	Isfjord/Svalbard	78°03'·70N 13°36'·98E
C	4357			Andenes	69°16'·67N 16°00'·92E
D	1659	RT (MF)	Berlevåg	70°51'·78N 29°04'·57E	
	1695		Bodø	67°16'·48N 14°23'·48E	
	1770		Hammerfest (Hammerfjell)	70°41'·50N 23°40'·42E	
	1635		Isfjord/Svalbard	78°03'·70N 13°36'·98E	
	1731		Jan Mayen	70°56'·68N 8°40'·02W	
	1743		Sandnessjøen	66°01'·17N 12°36'·53E	
	1710		Vardø (Domen) MF Aerial	70°22'·00N 31°06'·00E	
	1713				

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NORWAY

NORWEGIAN COASTAL RADIO NORTH (LGP) (Continued)

Northern Area (North of 69°30'N)				
E	Ch 28	VHF	Alta (Helligfjell)	70°06'·80N 22°55'·95E
	Ch 61		Båtsfjord (Haminefjell)	70°40'·15N 29°42'·70E
	Ch 07		Berlevåg	70°51'·78N 29°04'·57E
	Ch 66		Bjørnøya	74°30'·16N 18°59'·72E
	Ch 27		Bodø	67°16'·48N 14°23'·48E
	Ch 22		Hammerfest (Hammerfjell)	70°41'·50N 23°40'·42E
	Ch 21		Hammerfest (Tyven)	70°38'·37N 23°41'·78E
	Ch 61		Havøysund (Havoygavlen)	71°00'·00N 24°36'·00E
	Ch 60		Isfjord/Svalbard	78°03'·70N 13°36'·98E
	Ch 20		Jan Mayen	70°56'·68N 8°40'·02W
	Ch 65		Karlsøy (Torsvåg)	70°14'·53N 19°30'·10E
	Ch 20		Kirkenes	69°45'·04N 30°07'·97E
	Ch 78		Lebesby (Oksen)	70°57'·88N 27°21'·05E
	Ch 79		Mehamn (Trollhetta)	71°03'·00N 28°07'·00E
	Ch 20		Nordkapp (Honningsvåg fjell)	70°58'·97N 25°53'·90E
	Ch 01		Platåfjellet (Longyearbyen)	78°14'·30N 15°21'·10E
	Ch 79		Sandnessjøen	66°01'·17N 12°36'·53E
	Ch 66		Skjervøy (Stussnesfjell)	70°01'·45N 20°58'·95E
	Ch 28		Skjervøy (Trolltind)	70°04'·47N 20°26'·00E
	Ch 66		Skolten (Svalbard)	78°08'·97N 16°39'·48E
	Ch 81		Tana (Algasvarre)	70°28'·08N 28°13'·42E
	Ch 01		Tromsø (Hillesøy)	69°38'·52N 17°58'·40E
	Ch 60		Tromsø (Røstbakken)	69°38'·82N 18°55'·32E
	Ch 07		Tromsø (Sandøy)	70°02'·65N 18°32'·80E
	Ch 60		Tromsø (Tønsnes)	69°43'·08N 19°07'·83E
	Ch 01		Varangerfjord (Torsvade)	70°05'·83N 29°49'·15E
	Ch 22		Vardø (Domen)	70°20'·13N 31°02'·00E
	Ch 21 62 ¹		Vevelstad Vistenfjord	65°38'·98N 12°37'·47E
			Zeppelinfjellet (Svalbard)	78°54'·40N 11°53'·32E
	Central Area (North of 67°30'N)			
F	Ch 61	VHF	Andenes (Ramnan)	69°16'·42N 16°00'·48E
	Ch 66		Harstad (Harstadåsen)	68°47'·90N 16°30'·98E
	Ch 78		Harstad (Sørrollnes)	68°43'·70N 16°50'·42E
	Ch 28		Lenvik (Kistefjell)	69°17'·52N 18°08'·43E
	Ch 07		Lødingen (Fenes)	68°24'·08N 15°58'·32E
	Ch 01		Raften (Svolvaer)	68°24'·18N 15°07'·03E
	Ch 21 62 ¹		Stamnes (Sortland)	68°48'·70N 15°28'·90E
	Ch 60		Steigen (Småtindane)	67°49'·95N 15°00'·35E
	Ch 65		Storheia (Hadsel)	68°32'·65N 14°52'·23E
	Ch 02		Tjelsundet (Balstadaasen)	68°33'·63N 16°16'·63E
	Ch 03		Tysfjord (Hellandsberg)	68°01'·77N 16°06'·83E
	Ch 78		Vaerøy	67°39'·83N 12°37'·55E
	Ch 22		Veggen (Narvik)	68°27'·80N 17°10'·00E
	Ch 20		Vesterålen (Kraakenes)	68°56'·55N 15°01'·43E
			Vestvagoy (Kvalnes)	68°20'·55N 13°57'·65E

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NORWAY

NORWEGIAN COASTAL RADIO NORTH (LGP) (Continued)

Southern Area (North of 65°30'N)				
G	Ch 01	VHF	Leirfjord (Horva)	66°00'·90N 12°49'·20E
	Ch 61		Meløy	66°51'·27N 13°38'·87E
	Ch 28		Mo i Rana (Vettahaugen)	66°12'·00N 13°44'·00E
	Ch 07		Nesna	66°11'·90N 13°00'·63E
	Ch 66		Rønvikfjell/ Bodø	67°18'·20N 14°26'·80E
	Ch 62		Sorfold (Fornesfjell)	67°25'·85N 15°27'·38E
	Ch 20		Traenfjord (Hestmannen)	66°31'·87N 12°49'·05E
	Ch 60		Vega (Gulsvåg fjell)	65°39'·00N 11°49'·72E
Diagrams pages 181 and 182				
Weather Bulletins	A: 1115 2315 B: 1100 2300	METAREA XIX bulletins for arctic waters that are not covered by the INMARSAT SafetyNet service.		
	C, D: 1203 2303	Weather forecast in English and Norwegian for coastal waters off northern Norway (65°N to 70°N and from 0° to 10°W). Area north and north-east of Iceland and north-eastern part of Denmark Strait. Norwegian, Arctic and Barents Seas (north of 70°N).		
	E-G: 0900 1200 1500 1800 2100 LT	Local weather forecasts.		
Navigational Warnings	D-G: On receipt 0233 0633 1033 1433 1833 2233	Storm and gale warnings for coastal waters and adjoining Sea Areas in English and Norwegian. Navigational Warnings in English and Norwegian. Vital and important navigational warnings are broadcast on receipt and at the next two scheduled times. All warnings are repeated daily at 1033 for 7 days.		
	A: 0645 1845 B: 0630 1830	NAVAREA XIX warnings are broadcast twice a day for arctic waters that are not covered by the INMARSAT SafetyNet service.		
	A: (Tues) 2315 B: (Tues) 2300	Ice reports.		
	A-G: On request	Storm and gale warnings, Navigational Warnings and ice reports.		
¹ This channel is scheduled to replace the existing broadcast channel in November/December 2022.				
NOTE(S): 1. Initial VHF & MF broadcasts of vital storm warnings (force 9 and up) and very important navigational warnings are made after prior announcement on DSC, followed by further announcement on VHF Ch 16 and 2182 kHz. Warnings are then broadcast on the working channels. 2. Initial VHF & MF broadcasts of important navigational and strong wind warnings (less than force 9) are announced only on VHF Ch 16 and 2182 kHz before being broadcast on the working channels.				

Norwegian Bulletin 19/22 (RSDRA2022000257828) 48/22

PAGES 185, 186 and 187, NORWAY. NORWEGIAN COASTAL RADIO SOUTH (LGQ). Delete entry and replace by:

NORWEGIAN COASTAL RADIO SOUTH (LGQ)				
Control Centre: 58°53'·35N 5°38'·02E				
A	1728	RT (MF)	Bergen (MF aerial)	60°42'·72N 4°52'·20E
	1785		Farsund	58°04'·32N 6°44'·67E
	1680		Florø	61°35'·86N 4°59'·88E
	1665		Jeløy	59°26'·21N 10°35'·66E
	1782		Ørlandet	63°39'·70N 9°32'·80E
	1692		Vigre (Rogaland)	58°39'·50N 5°36'·30E
Northern Area (South of 65°30'N)				
B	Ch 79	VHF	Åsgård B (The North Sea)	65°07'·02N 6°47'·60E
	Ch 03 ¹ 81		Buholmraen (Yttervåg)	64°17'·83N 10°17'·90E
	Ch 01		Draugen (The North Sea)	64°21'·25N 7°47'·35E
	Ch 78		Heidrun (The North Sea)	65°19'·75N 7°19'·60E
	Ch 66		Kristiansund (Varden)	63°06'·95N 7°42'·75E
	Ch 78		Littlefonna (Tjeldbergodden)	63°22'·80N 8°42'·92E
	Ch 07		Mosvik (Skavlen)	63°46'·32N 10°57'·05E

Continued on next page

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NORWAY

NORWEGIAN COASTAL RADIO SOUTH (LGQ) (Continued)

B	Ch 21 62 ¹	VHF	Namsos (Spillumsaksla)	64°26'·53N 11°32'·27E
	Ch 27		Ørland (Kopparen)	63°48'·40N 9°44'·30E
	Ch 20		Rørвик (Falkhetta)	64°52'·75N 11°13'·53E
	Ch 65		Stjørdal (Forbordsfjell)	63°31'·62N 10°53'·27E
Central Area (South of 63°00' N)				
C	Ch 79	VHF	Ålesund (Aksla)	62°28'·57N 6°10'·75E
	Ch 07		Aurland	60°54'·35N 7°11'·52E
	Ch 21 62 ²		Bangsberg (Mjøsa)	60°50'·77N 10°53'·85E
	Ch 05 ² 22		Bergen (Lindås)	60°34'·63N 5°19'·73E
	Ch 60		Bergen (Rundemanen)	60°24'·77N 5°21'·93E
	Ch 22		Brattvåg (Gamlemstveten)	62°34'·52N 6°19'·12E
	Ch 61		Bremanger	61°50'·40N 4°59'·22E
	Ch 05 ³ 22		Fjærland	61°25'·37N 6°45'·52E
	Ch 28		Florø (Storåsen)	61°35'·55N 5°01'·58E
	Ch 21		Fosnavåg (Nerlandshorn)	62°20'·95N 5°33'·18E
	Ch 27		Geiranger	62°07'·37N 7°11'·48E
	Ch 60		Gudvangen	60°52'·00N 6°50'·78E
	Ch 79		Gulen	61°02'·06N 5°09'·30E
	Ch 66		Gullfaks A (The North Sea)	61°10'·90N 2°11'·43E
	Ch 81		Hareid (Hjørungnes)	62°21'·53N 6°07'·40E
	Ch 20		Hellesylt (Ljønibba)	62°05'·02N 6°53'·48E
	Ch 01		I. Hardanger (Grimo)	60°24'·37N 6°38'·17E
	Ch 07		Kinn	61°33'·42N 4°45'·50E
	Ch 78		Ligtvor (Balestrand)	61°06'·08N 6°32'·13E
	Ch 21		Måløy (Raudeberg)	61°59'·23N 5°09'·08E
	Ch 66		Molde	62°45'·16N 7°07'·97E
	Ch 65		Nordfjordeid (Sagtennene)	61°53'·40N 6°06'·50E
	Ch 03 ¹ 81		Ørskogfjellet	62°30'·95N 6°52'·33E
	Ch 20		Oseberg A (The North Sea)	60°29'·90N 2°50'·05E
	Ch 66		Snorre (The North Sea)	61°27'·25N 2°09'·07E
	Ch 66		Sogndal (Storehogen)	61°10'·38N 7°07'·15E
			Sotra (Pyttane)	60°19'·09N 5°06'·54E
			Tingvoll (Reinsfjell)	62°55'·85N 7°55'·62E
	Y. Hardanger (Ljoneshøgda)	60°15'·83N 6°10'·15E		
Southern Area (South of 60°00' N)				
D	Ch 05 ³ 22	VHF	Arendal (Hisøy)	58°26'·02N 8°44'·63E
	Ch 78		Bjerkreim (Urdalsnipa)	58°37'·99N 5°57'·64E
	Ch 61		Drammen (Bukten)	59°40'·38N 10°26'·02E
	Ch 66		Draupner (The North Sea)	58°11'·29N 2°28'·26E
	Ch 20		Ekofisk (The North Sea)	56°32'·56N 3°13'·03E
	Ch 01		Farsund	58°04'·32N 6°44'·67E
	Ch 07		Halden (Hoyås)	59°10'·52N 11°25'·67E
	Ch 01		Haugesund (Steinsfjeld)	59°25'·30N 5°19'·67E
	Ch 22		Heimdal (The North Sea)	59°34'·42N 2°13'·63E
	Ch 79		Horten	59°24'·83N 10°28'·92E
	Ch 61		Kristiansand (Dolsveden)	58°08'·15N 8°08'·02E
	Ch 20		Lifjell (Sandnes)	58°55'·19N 5°47'·38E

Continued on next page

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NORWAY

NORWEGIAN COASTAL RADIO SOUTH (LGQ) (Continued)

D	Ch 81	VHF	Lillesand (Justoeya)	58°12'·47N 8°20'·83E
	Ch 79		Lindesnes (Skibmannsheia)	58°01'·26N 7°03'·42E
	Ch 07		Lista (Storefjell)	58°09'·22N 6°42'·67E
	Ch 21		Lyngdal (Kalåskniben)	58°11'·55N 6°55'·95E
	Ch 60		Mandal (Husheia)	58°01'·45N 7°34'·71E
	Ch 66		Oslo (Tryvann)	59°59'·08N 10°40'·20E
	Ch 01		Porsgrunn (Vealøs)	59°14'·17N 9°51'·93E
	Ch 20		Risør (Ranvikheia)	58°42'·83N 9°12'·47E
	Ch 79		Sand (Preståsen)	59°29'·37N 6°15'·12E
	Ch 28		Sleipner A (The North Sea)	58°22'·00N 1°54'·42E
	Ch 61		Stavanger (Bokn)	59°13'·19N 5°25'·67E
	Ch 07		Stavanger (Ullandhaug)	58°56'·42N 5°42'·40E
	Ch 20		Stord (Kattnakken)	59°52'·43N 5°29'·63E
	Ch 21 62 ¹		Svensheia (Sogne)	58°05'·08N 7°54'·43E
	Ch 03		Tjøme	59°04'·82N 10°24'·37E
	Ch 81		Tønsberg	59°16'·08N 10°24'·73E
	Ch 22		Ula (The North Sea)	57°06'·67N 2°50'·82E
			Valhall (The North Sea)	56°16'·65N 3°23'·63E

Diagrams pages 181 and 182

Weather Bulletins	A-D: 1215 2315	Weather forecast in English and Norwegian for North Sea, coastal waters off southern and western Norway including Haltenbank, area from Storegga-Haltenbank to Greenwich meridian, Norwegian Sea between 63°N and 65°N and from 0° to 10°W.
	B-D: 0900 1200 1500 1800 2100 LT	Local weather forecasts.
Navigational Warnings	A-D: On receipt 0233 0633 1033 1433 1833 2233	Storm and gale warnings for coastal waters and adjoining Sea Areas in English and Norwegian. Navigational Warnings in English and Norwegian. Vital and important navigational warnings are broadcast on receipt and at the next two scheduled times. All warnings are repeated daily at 1033 for 7 days.
	A-D: On request	Storm and gale warnings, Navigational Warnings and ice reports.

¹ This channel is scheduled to replace the existing broadcast channel in October/November 2022.

² This channel is scheduled to replace the existing broadcast channel in November/December 2022.

³ This channel is scheduled to replace the existing broadcast channel in December/January 2022/23.

NOTE(S):

1. Initial VHF & MF broadcasts of vital storm warnings (force 9 and up) and very important navigational warnings are made after prior announcement on DSC, followed by further announcement on VHF Ch 16 and 2182 kHz. Warnings are then broadcast on the working channels.
2. Initial VHF & MF broadcasts of important navigational and strong wind warnings (less than force 9) are announced only on VHF Ch 16 and 2182 kHz before being broadcast on the working channels.

Norwegian Bulletin 19/22 (RSDRA2022000257828) 48/22

PAGES 222, 224, and 225, SWEDEN. STOCKHOLM.

Delete entry and replace by:

STOCKHOLM (SDJ) [2954]				
Control Centre: 59°20'·30N 18°05'·60E				
A	1779	RT (MF)	Bjuröklubb	64°27'·70N 21°35'·42E
	1797		Gislövshammar	55°29'·37N 14°18'·87E
	1710		Grimeton	57°06'·33N 12°23'·42E
	2733		Härnösand (MF Aerial)	62°42'·43N 18°07'·65E
	1674		Tingstäde	57°43'·85N 18°35'·81E
East Coast				
B	Ch 62	VHF	Fårö (Gotland)	57°51'·73N 19°01'·97E
	Ch 23		Gävle	60°37'·85N 17°07'·75E

Continued on next page

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SWEDEN

STOCKHOLM (SDJ) [2954] (Continued)

B	Ch 65	VHF	Gotska Sandön	58°22'54N 19°13'94E
	Ch 23		Härnösand	62°36'53N 17°57'70E
	Ch 61		Hoburgen (Gotland)	56°56'20N 18°13'48E
	Ch 60		Hudiksvall	61°42'44N 16°51'24E
	Ch 62		Kalix	65°56'26N 23°30'97E
	Ch 81		Kalmar	56°39'58N 16°21'66E
	Ch 21		Karlshamn	56°13'62N 14°46'52E
	Ch 83		Karlskrona	56°10'45N 15°36'09E
	Ch 61		Kivik	55°40'08N 14°09'48E
	Ch 64		Kramfors	62°56'49N 17°56'95E
	Ch 26		Luleå	65°36'39N 22°08'69E
	Ch 64		Mjällom	62°59'14N 18°23'57E
	Ch 22		Nacka (Stockholm)	59°17'85N 18°10'38E
	Ch 63		Norrköping	58°40'59N 16°28'06E
	Ch 62		Ölands Södra Udde	56°14'02N 16°27'30E
	Ch 23		Örnsköldsvik	63°18'15N 18°39'65E
	Ch 66		Östhammar	60°15'81N 18°04'24E
	Ch 60		Skellefteå	64°46'69N 20°57'07E
	Ch 83		Södertälje	59°13'41N 17°37'24E
	Ch 61		Sundsvall	62°24'03N 17°28'40E
	Ch 62		Svenska Högarna	59°26'63N 19°30'09E
	Ch 82		Torö	58°49'24N 17°50'65E
	Ch 63		Umeå	63°50'42N 19°49'36E
	Ch 23		Väddö	59°58'10N 18°50'38E
	Ch 63		Västerås	59°38'60N 16°24'20E
	Ch 23		Västervik	57°43'26N 16°25'56E
	Ch 63		Visby (Gotland)	57°35'58N 18°22'24E
	West Coast			
B	Ch 60	VHF	Göteborg	57°41'57N 12°03'40E
	Ch 62		Grebbestad	58°41'30N 11°15'48E
	Ch 82		Grimeton	57°06'33N 12°23'42E
	Ch 62		Halmstad	56°47'40N 12°56'28E
	Ch 60		Helsingborg	56°03'17N 12°42'53E
	Ch 23		Kungshamn	58°21'39N 11°15'22E
	Ch 65		Malmö	55°34'39N 13°03'36E
	Ch 22		Strömstad	58°56'11N 11°11'16E
	Ch 81		Tjörn	57°59'50N 11°39'40E
	Ch 61		Uddevalla	58°22'46N 11°49'22E
Vänern / Vättern				
B	Ch 05	VHF	Bäckefors	58°49'37N 12°12'18E
	Ch 23		Jönköping	57°46'19N 14°15'02E
	Ch 65		Karlstad	59°23'72N 13°22'96E
	Ch 01		Kinneulle	58°36'04N 13°24'47E
	Ch 62		Motala	58°35'31N 15°05'79E
	Ch 02		Trollhättan	58°17'40N 12°16'81E

Continued on next page

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SWEDEN

STOCKHOLM (SDJ) [2954] (Continued)

Diagrams pages 181, 192, 223, 335, 336 and 337		
Weather Bulletins	A, B: 0600 1800	24 hour weather forecast and synopsis for Sea Areas B1–B15 in English and Swedish.
	B¹: 0830 1630 LT	Coastal weather forecast with latest meteorological observations and details of tidal heights and outlook for three days for Haparanda - Örskär for pleasure craft and small commercial vessels, in Swedish.
	B¹: 0845 1645 LT	Coastal weather forecast with latest meteorological observations and details of tidal heights and outlook for three days for Örskär - Landsort, Mälaren/Hjälmaren for pleasure craft and small commercial vessels, in Swedish.
	B¹: 0900 1700 LT	Coastal weather forecast with latest meteorological observations and details of tidal heights and outlook for three days for Landsort - Utklippan, Gotland for pleasure craft and small commercial vessels, in Swedish.
	B¹: 0915 1715 LT	Coastal weather forecast with latest meteorological observations and details of tidal heights and outlook for three days for Utklippan - Hallands Väderö for pleasure craft and small commercial vessels, in Swedish.
	B¹: 0930 1730 LT	Coastal weather forecast with latest meteorological observations and details of tidal heights and outlook for three days for Hallands Väderö - Nordkoster, Vänern/Vättern for pleasure craft and small commercial vessels, in Swedish.
Navigational Warnings	A, B: On receipt 0200 0600 1000 1400 1800 2200	Gale warnings and Navigational Warnings in English and Swedish.
¹ Broadcast by Stockholm Radio June 15th to August 15th after prior announcement on VHF Ch 16.		

Swedish Notice 929/17069/22 (RSDRA2022000237260) 48/22

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VOLUME 3, NP283(2), Second Edition, 2021

Published Wk 49/21

(Last Updates: Weekly Edition No. 41 dated 13 October 2022)

EGC SERVICES

PAGE 23, EGC MSI Broadcast Systems Operational Information, NAVIGATIONAL INFORMATION table.

Delete and replace by:

NAVAREA	NAVIGATIONAL INFORMATION			
	COORDINATOR	EGC Services Broadcast Times (UTC)	INMARSAT C Ocean Region	IRIDIUM Operational Status
I	United Kingdom	0530, 1730	AOR-E, IOR	On Trial
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			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

(former updates 13/22, 19/22, 21/22)

NAVAREA VII, XI and XV Coordinators (RSDRA2022000281308, RSDRA2022000280839 & RSDRA2022000280837) 48/22

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VOLUME 5, NP285, Third Edition, 2022

Published Wk 32/22

(Last Updates: Weekly Edition No. 46 dated 17 November 2022)

EGC SERVICES

PAGE 217, EGC MSI Broadcast Systems Operational Information, NAVIGATIONAL INFORMATION table.

Delete and replace by:

NAVAREA	NAVIGATIONAL INFORMATION			
	COORDINATOR	EGC Services Broadcast Times (UTC)	INMARSAT C Ocean Region	IRIDIUM Operational Status
I	United Kingdom	0530, 1730	AOR-E, IOR	On Trial
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			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

NAVAREA VII, XI and XV Coordinators (RSDRA2022000281308, RSDRA2022000280839 & RSDRA2022000280837) 48/22

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DISTRESS, SEARCH AND RESCUE

**PAGE 339, NAVAREA II.
MOROCCO.**

Delete entry and replace by:

MOROCCO

See diagrams R4 & R5

<p>National SAR Agency: Marine Fisheries Department, National SAR Coordinator Address: Rue Mohamed Belhassan El Ouazzani Haut agdal, BP 476, Rabat, Morocco Telephone: +212 5 37 688174 Fax: +212 5 37 688112 email: drissi@mpm.gov.ma Website: https://www.itopf.org/knowledge-resources/countries-territories-regions/morocco/</p>			
<p>The Ocean Fisheries Department MRCC Rabat is responsible for coordinating Search and Rescue operations. MRCC Rabat maintains a continuous listening watch on international distress frequencies.</p>			
<p>TeleMedical Assistance Service: Contact MRCC Rabat and send a message for "Radio Medical Assistance" and telemedical advice will be provided from a regional public hospital via MRCC Rabat. Possible consultation languages: Arabic, French and English.</p>			
	Telephone +212	Fax +212	Others/Ship Earth Stations (SES)
MRCC RABAT	5 37 625877	5 37 625017	<p>Inmarsat C: 424200893 email: mrcc.rabat@mpm.gov.ma mrccrabat@gmail.com MMSI: 002424133</p>
MRCC RABAT (Cospas-Sarsat SPOC)	5 37 625877	5 37 625017	<p>email: spoc.maritime.maroc@mpm.gov.ma</p>

MRCC Rabat correspondence (RSDRA2022000280988) 48/22

**PAGE 351, NAVAREA III.
MOROCCO.**

Delete entry and replace by:

MOROCCO

See diagrams R4 & R5

<p>National SAR Agency: Marine Fisheries Department, National SAR Coordinator Address: Rue Mohamed Belhassan El Ouazzani Haut agdal, BP 476, Rabat, Morocco Telephone: +212 5 37 688174 Fax: +212 5 37 688112 email: drissi@mpm.gov.ma Website: https://www.itopf.org/knowledge-resources/countries-territories-regions/morocco/</p>			
<p>The Ocean Fisheries Department MRCC Rabat is responsible for coordinating Search and Rescue operations. MRCC Rabat maintains a continuous listening watch on international distress frequencies.</p>			
<p>TeleMedical Assistance Service: Contact MRCC Rabat and send a message for "Radio Medical Assistance" and telemedical advice will be provided from a regional public hospital via MRCC Rabat. Possible consultation languages: Arabic, French and English.</p>			
	Telephone +212	Fax +212	Others/Ship Earth Stations (SES)
MRCC RABAT	5 37 625877	5 37 625017	<p>Inmarsat C: 424200893 email: mrcc.rabat@mpm.gov.ma mrccrabat@gmail.com MMSI: 002424133</p>
MRCC RABAT (Cospas-Sarsat SPOC)	5 37 625877	5 37 625017	<p>email: spoc.maritime.maroc@mpm.gov.ma</p>

MRCC Rabat correspondence (RSDRA2022000280988) 48/22

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

Published Wk 20/22

*(Last Updates: Weekly Edition No. 47 dated 24 November 2022)***PAGES 457 & 459 to 461, UNITED KINGDOM (Northern Ireland), BELFAST.**

Delete entry and replace by:

BELFAST**54°40'N 5°51'W****UNCTAD LOCODE:** GB BEL

See diagram BELFAST VESSEL TRAFFIC SERVICE.

Pilots**AREA:**

The compulsory pilotage area limits are bounded by the harbour limit (a line from Carrickfergus Castle to Grey Point).

CONTACT DETAILS:

Call: Belfast VTS

VHF Channel: Ch 12

Telephone: +44(0)28 90553504 (H24)

E-mail: portcontroller@belfast-harbour.co.uk

Belfast Lough Pilotage Services

Telephone: +44(0)28 90740054

E-mail: enquiries@belfastpilots.com

Website: www.belfastpilots.com

HOURS: H24**PROCEDURE:**(1) **Pilotage is compulsory** for all vessels when navigating inside the Harbour Limits (inside a line joining Grey Point and Carrickfergus Castle, and to seaward of the Lagan Weir) **with the following exceptions:**

- (a) All vessels of less than 20m LOA
 - (b) Fishing vessels with a registered LOA less than 47.5m
 - (c) Vessels 47.5m or greater, but less than 100m LOA, to seaward of No 5 Lt Bn when navigating to and from Pilot boarding position C
 - (d) Vessels, other than fishing vessels, 20m LOA or greater, but less than 47.5m LOA
 - (e) Vessels 47.5m LOA or greater but less than 75m LOA where the Master or Mate has navigated into and out of the port within the previous 12 months
 - (f) All vessels of less than 120m that are moving from one berth to another within a dock or the same channel
 - (g) HM vessels and foreign warships
 - (h) General Lighthouse Authority tenders
 - (i) Vessels navigating to or from Carrickfergus Harbour
- (2) The **Exceptions** in sections (1) (e) and (1) (f) do not apply to:
- (a) Vessels of 75m LOA or greater when navigating into, from, or within Barnett Dock or York Dock
 - (b) Vessels manoeuvring with the assistance of tugs
- (3) The **Exceptions** in sections (1) (c), (1) (d), (1) (e) and (1) (f) do not apply to:
- (a) Vessels with a Passenger Certificate
 - (b) Vessels carrying hazardous cargoes or marine pollutants, including vessels that are not gas free
 - (c) Vessels, where due to fog, mist, falling snow, heavy rainstorm or any other similar causes, visibility is reduced to less than 2.5 cables
 - (d) Vessels or their tows, if any, having one of the following defects:
 - (i) Are unseaworthy in any respect
 - (ii) Have defects to main engine, steering gear, or auxiliary machinery which may affect the manoeuvrability of the vessel
 - (iii) Have inoperable capstan, windlass, mooring winches or anchors that are not cleared or ready for use
 - (iv) Have a list of over 5 degrees or are excessively out of trim
 - (v) Have any hull or machinery damage which may affect the safety of the vessel or the containment or safety of the cargo or bunkers

(vi) Are affected by any other defect or condition which in the opinion of the Hr Mr may affect the safe conduct of the vessel whilst inside Belfast Harbour Limits, including but not limited to: competence of the crew, adequacy of manning, standards of communications or previous safety history

(4) **Pilot ordering:** Vessels requiring a Pilot should send ETA off the Fairway Lt buoy (54°42'·32N 5°42'·30W) to Belfast VTS, 6h and 2h in advance stating:

- (a) Vessel's name
- (b) Maximum draught
- (c) Last port
- (d) Master's name
- (e) Any defects
- (f) Number of persons onboard
- (g) If less than 100m LOA and not carrying hazardous cargo in bulk state Pilot boarding position required (Fairway Lt buoy or in the vicinity of Lt Bn No 3)

(5) Vessels departing the port or shifting berth within the port should send ETD at least 2h in advance stating (a) to (g) above (replace (c) with next port or next berth).

(6) **Pilot boards** in the following positions:

- (a) Belfast A: Vessels with a draught greater than 10.2m: 54°43'·70N 5°40'·50W
- (b) Belfast B: Vessels over 100m LOA: 54°42'·10N 5°44'·40W
- (c) Belfast C: Vessels 75-100m LOA: 54°40'·90N 5°48'·50W

NOTES:

- (1) Orders for Pilots for Belfast Harbour are to be made through Belfast VTS.
- (2) Additional Pilots will be required for:
 - (a) All vessels greater than 300m LOA
 - (b) Vessels of 220m LOA or greater entering any drydock
 - (c) Specialised vessels or project movements as determined by the Hr Mr
- (3) LOA in the case of a tug and tow means the total length of the tug and tow combined.
- (4) Belfast Lough Pilotage Services provides pilotage for CLOGHAN JETTY, KILROOT COAL JETTY, KILROOT SALT JETTY and LARNE.

Vessel Traffic Service**AREA:**

Belfast Harbour operates a VTS within port limits.

CONTACT DETAILS:

Call: Belfast VTS

VHF Channel: Ch 12

Telephone: +44(0)28 90553504 (H24)

E-mail: portcontroller@belfast-harbour.co.uk

Website: www.belfast-harbour.co.uk

HOURS: Ch 12: H24**PROCEDURE:**

- (1) For details of the **Merchant Shipping (Traffic Monitoring and Reporting Requirements) Regulations 2004** see GENERAL NOTES. The reports should be sent by email and should arrive before the vessel enters the Port Area.
- (2) All vessels over 20m in length, commercial vessels and vessels carrying passengers, arriving, departing or transiting the harbour and vessels crossing the Victoria Channel, are required to participate in the VTS.
- (3) Within the Belfast Port area, in addition to reporting, vessels underway should maintain a continuous listening watch on VHF Ch 12 and vessels at anchor should maintain a continuous listening watch on VHF Chs 12 and 16.
- (4) **Traffic clearance:** Vessels are required to request traffic clearances as follows:
 - (a) Inward-bound vessels not requiring a Pilot: 15 mins prior to arrival at the Fairway Lt buoy. Traffic clearance will be given to proceed to the berth.
 - (b) Inward-bound vessels requiring a Pilot: 15 mins prior to arrival at the Fairway Lt buoy, vessels will be advised to proceed to the appropriate Pilot boarding position. Once Pilot has boarded, Traffic clearance will be given. (Vessels must not proceed beyond the Pilot boarding position until the Pilot has boarded).
 - (c) Departing vessels and vessels moving or shifting berths: Traffic clearance will be given immediately prior to departing the berth.
 - (d) Vessels not bound to or from Belfast wishing to cross the Victoria Channel should seek permission from the VTS before doing so.
- (5) The clearances will be valid for 15 mins and will be timed when issued.

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

VI

REPORTING:

(1) Vessels bound for Belfast Harbour are required to declare their arrival no later than 1400 LT the previous working day, or prior to departing their previous port, whichever the sooner. Such report should include the following:

- (a) ETA at the Fairway Lt buoy
- (b) Particulars of vessel, including draught, gt, and details of tow if applicable
- (c) Master's name
- (d) Last port and next port
- (e) Appointment of Agent
- (f) ISPS pre arrival information
- (g) UK Port Waste Notification
- (h) Defects

(2) **Vessels inward-bound** should pass N of the Fairway Lt buoy and report to Belfast VTS on VHF Ch 12 as follows:

- (a) 2h before arrival at the Fairway Lt buoy (54°42'32N 5°42'30W)
- (b) 15 mins prior to arrival at the Fairway Lt buoy
- (c) On passing the Fairway Lt buoy
- (d) Pilot on the bridge for clearance (if applicable)
- (e) On passing Lt Bn No 5 (54°40'47N 5°49'81W)
- (f) On berthing

(3) **Vessels outward-bound** should pass S of the Fairway buoy and report to Belfast VTS on VHF Ch 12 as follows:

- (a) 15 mins prior to departure
- (b) Immediately prior to departing the berth for Traffic clearance. Vessels should indicate where they intend to swing (if applicable)
- (c) On passing Lt Bn No 12 (54°38'97N 5°51'42W). The vessel must indicate its intended outbound Passage Plan and where it intends to leave the Victoria Channel
- (d) On passing Lt buoy No 2 (54°41'63N 5°46'20W) or leaving the port limits if having left the Victoria Channel before Lt buoy No 2

(4) **Vessels moving or shifting berths** within the harbour should report to Belfast VTS on VHF Ch 12 as follows:

- (a) 15 mins prior to moving or shifting
- (b) Immediately prior to departing the berth for Traffic clearance. Vessels should indicate where they intend to swing (if applicable)
- (c) Alongside at the berth

(5) Vessels arriving to, or departing from Belfast Harbour, proceeding to or from anchorages or other berths within Belfast Lough, are requested to make contact with Belfast VTS on VHF Ch 12 confirming their Passage Plan as follows:

- (a) Inward-bound: 15 mins from the Fairway
- (b) Outward-bound: on passing Lt Bn No 12
- (c) On heaving anchor

(6) **Vessels carrying hazardous cargo** should forward a manifest to Port Operations via their ship's agent/manager no less than 48h in advance.

WEATHER, TIDAL DATA AND VISIBILITY INFORMATION:

Available on request.

RADAR SURVEILLANCE:

Belfast Inner and Outer Harbours and the greater part of Belfast Lough is under radar surveillance from the Port Operations Centre, Milewater Basin.

INCIDENT REPORTS:

(1) Vessels should report the occurrence of any of the following:

- (a) A collision, stranding, breaking adrift or other accident
- (b) Machinery or steering breakdown
- (c) Faulty navigational equipment
- (d) Near misses
- (e) Damage to aid to navigation, quay or shoreside installation
- (f) Oil pollution: in all cases, whether by spillage, accident, sightings, etc
- (g) Sightings of large floating pieces of timber which may pose a danger to small or high speed vessels

(2) Details of all incidents should be reported to Belfast VTS by the quickest possible means, usually on VHF Ch 12.

continued on next column

Port

CONTACT DETAILS:

Port Authority

Telephone: +44(0)28 90554422
E-mail: operations@belfast-harbour.co.uk
Website: www.belfast-harbour.co.uk

Tugs

CONTACT DETAILS:

Website: www.belfast-harbour.co.uk/port/towage-boating/

PROCEDURE:

Tugs are available and should be ordered through vessel's agent with a minimum of 2h notice.

[Belfast Harbour Port Operations correspondence. \(RSDRA2022000276750\), 48/22](#)

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

Published Wk 24/22

(Last Updates: Weekly Edition No. 46 dated 17 November 2022)

PAGE 330, RUSSIA (Arctic Coast), AMDERMA, Port section.

Delete and replace by:

Port

CONTACT DETAILS:

Call: Amderma Radio 5
VHF Channel: Ch 16; 06 69 72 77
Telephone: +7 818 5342825
+7 921 4744502
+7 921 5132333
E-mail: ampm@mail.ru
ampn@atnet.ru

HOURS: H24

[Russian Annual Notice 2022. \(RSDRA2022000001267\), 48/22](#)

PAGE 335, RUSSIA (Arctic Coast), DIKSON, Port section.

Delete and replace by:

Port

CONTACT DETAILS:

Telephone: +7 391 5224099 (Duty Officer)

Hr Mr

Call: Port Control
VHF Channel: Ch 16; 14
Telephone: +7 915 7506423
E-mail: diksonmamp@mail.ru

HOURS: H24

PROCEDURE:

Notice of ETA: ETA should be advised 72h, 48h and 24h prior to arrival and the following information advised no later than 6h prior to arrival to the Duty Officer who will advise of any navigational closures:

- (1) Vessel's draught
- (2) Intended approach channel

[Russian Annual Notice 2022. \(RSDRA2022000001267\), 48/22](#)

VI

PAGE 335, RUSSIA (Arctic Coast), DUDINKA.

Delete entry and replace by:

DUDINKA

UNCTAD LOCODE: RU DUD

69° 24' N 86° 10' E

Pilots

For details of port pilotage and Northern Sea Route pilotage see GENERAL NOTES.

CONTACT DETAILS:

Call: Watch Pilot
VHF Channel: Ch 16; 09

HOURS: H24

PROCEDURE:

- (1) **Pilotage is compulsory.**
- (2) **Pilot boards** in the following positions:
 - (a) 69° 25' - 50N 86° 07' - 60E
 - (b) 69° 28' - 40N 86° 02' - 60E
 - (c) Vessels sailing from Igarka: 69° 21' - 20N 86° 05' - 40E

Port

CONTACT DETAILS:

Hr Mr

Call: Port Control
VHF Channel: Ch 16; 17
Telephone: +7 391 9157210
Fax: +7 391 9156212
E-mail: dudinkasvf09@rambler.ru

Dispatcher

Call: More-port
VHF Channel: Ch 16; 14

Port Authority

Telephone: +7 391 1156545
Fax: +7 391 1125874

Petroleum Depot

Call: NPS R-76
VHF Channel: Ch 02 05

Border Control

Call: Zastava
VHF Channel: Ch 16; 13

HOURS: H24

PROCEDURE:

Notice of ETA: ETA should be advised 72h and confirmed 24h prior to arrival.

Russian Annual Notice 2022, (RSDRA2022000001267), 48/22

PAGES 338 & 340, RUSSIA (Arctic Coast), MURMANSK.

Delete entry and replace by:

MURMANSK

UNCTAD LOCODE: RU MMK

69° 03' N 33° 03' E

See diagram MURMANSK VESSEL TRAFFIC SERVICE.

Pilots

For details of port pilotage and Northern Sea Route pilotage see GENERAL NOTES.

CONTACT DETAILS:

Telephone: +7(8)815 2480480
Fax: +7(8)815 2480480
E-mail: lotsmur@mf-rmp.ru

Kislaya Bank Pilot Service

Call: Murmansk Pilot
VHF Channel: Ch 16; 14

Seaport Pilot Service

Call: Murmansk Radio 15
VHF Channel: Ch 02 14

PV

Call: Lotsman
VHF Channel: Ch 16; 14

HOURS: H24

PROCEDURE:

- (1) **Pilot ordering:** Vessels should send request for pilotage and ETA 48h in advance, confirming no later than 4h in advance.
- (2) **Pilot boards** in position 69° 11' - 95N 33° 31' - 30E (off Guba Tyuva); in bad weather vessel should follow PV to S of Ostrov Sal'nny where Pilot will board.

Reporting

For details of the BARENTS SEA AND BELOYE MORE (WHITE SEA) REPORTING SYSTEM, see BARENTS SEA AND BELOYE MORE (WHITE SEA).

Vessel Traffic Service

DESCRIPTION:

The Vessel Traffic Service (VTS) regulates vessel traffic H24. It establishes the order of navigation, sequence of entering and leaving, movements in the port areas, location of vessels in anchorages and at berths, coordinates their actions in emergency situations and provides necessary navigational and hydrometeorological information.

CONTACT DETAILS:

Commercial Port VTS Centre

Call: Murmansk Traffic
VHF Channel: Ch 16; 12 18 67
Telephone: +7(8)815 2479026 (0900-1700 (working days))
Fax: +7(8)815 2479026
E-mail: vts@mf-rmp.ru

Fishing Port VTS Post

Call: Murmansk 47
VHF Channel: Ch 16

HOURS: H24

PROCEDURE:

- (1) Before entering the VTS area, all vessels should provide the VTS with the following information:
 - (a) Vessel's name, flag, type and IMO No
 - (b) Agent's name and address
 - (c) Last port and next port
 - (d) Vessel's dimensions and fresh water draught (forward and aft)
 - (e) Cargo type, amount and hazard class
 - (f) Number of crew and passengers
 - (g) Details of navigation equipment not working or other restrictions
- (2) All vessels should report to the VTS Centre on VHF Ch 12 or 16 when passing the REPORTING POINTS.
- (3) All vessels should maintain a continuous listening watch on VHF Chs 12 and 16 whilst navigating in the VTS area.

REPORTING POINTS:

(1) **Vessels inward-bound:**

Number	Name	Position
A1	Mys Tsyp Navolokskiy	69° 52' - 00N 33° 32' - 75E
A3	Mys Set'Navolok	69° 27' - 00N 33° 32' - 75E
A5	Ostrov Toros	69° 18' - 64N 33° 30' - 73E
A7	N headland of Guba Tyuva	69° 12' - 00N 33° 31' - 45E
A9	Mys Mishukov	69° 06' - 38N 33° 23' - 52E
A11	Mys Mishukov	69° 03' - 34N 33° 03' - 50E
B1	E part of Ostrov Kil'din	69° 32' - 00N 34° 39' - 00E
B3	W part of Ostrov Kil'din	69° 26' - 00N 33° 49' - 50E
C7	E part of Ostrov Kil'din	69° 20' - 00N 34° 45' - 90E

continued on next column

continued on next page

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(2) Vessels outward-bound:

Number	Name	Position
A12	Mys Mishukov	69° 03'·08N 33° 03'·97E
A10	Mys Alysh	69° 04'·88N 33° 19'·32E
A8	N headland of Guba Tyuva	69° 11'·50N 33° 32'·68E
A6	Mys Set'navolok	69° 17'·90N 33° 32'·00E
A4	Mys Set'navolok	69° 29'·00N 33° 35'·60E
A2	Mys Tsyp Navolokskiy	69° 45'·00N 33° 35'·60E
B4	W part of Ostrov Kil'din	69° 23'·00N 33° 46'·00E
B2	E part of Ostrov Kil'din	69° 30'·60N 34° 39'·00E
C8	Mys Teriberskiy	69° 19'·00N 34° 45'·20E

Port

CONTACT DETAILS:

Port Authority

Telephone: +7(8)815 2480644
+7(8)815 2480530
Fax: +7(8)815 2423127
E-mail: office@portmurmansk.ru
Website: www.portmurmansk.ru

Trade Terminal Port Control

Call: Murmansk Radio 5
VHF Channel: Ch 14

Fish Terminal Port Control

Call: Murmansk Radio 36
VHF Channel: Ch 37

HOURS: H24

PROCEDURE:

- (1) Vessels should send ETD 6h in advance, confirming 2h in advance.
- (2) All vessels should maintain a listening watch on VHF Ch 16 when navigating or at anchor within the Kol'skiy Zaliv (Gulf of Kolsky).
- (3) Vessels should send request for ice-breaker services through the agent 24h in advance and confirm exact time of requirement 2h in advance.
- (4) Request for tugs is to be made through the agent not later than 2h in advance of the requirement.
- (5) All vessel movements are controlled by Movements Control and permission should be obtained, using VHF, before:
 - (a) Any vessel movements within the port, 2h advance notice required
 - (b) Any vessel movements in the roadstead and the port when the wind exceeds Force 6

INFORMATION BROADCASTS:

- (1) Storm warnings broadcast on VHF Ch 16.
- (2) Vessels at moorings are warned through the agent.

NOTE:

Port can also be contacted through Murmansk CRS.

Radar

DESCRIPTION:

- (1) When visibility is reduced to 0.5 n miles or less the navigation of all vessels will be carried out only under radar control.
- (2) Radar pilotage is available to the Pilot S of the latitude of Mys Mishukov (69° 02'·70N) and should be requested 2h in advance.

PAGES 348 & 349, RUSSIA (Baltic Coast), KALININGRAD.

Delete entry and replace by:

KALININGRAD

UNCTAD LOCODE: RU KGD

54° 42'N 20° 27'E

Pilots

CONTACT DETAILS:

Call: Kaliningrad 11
VHF Channel: Ch 67
Telephone: +7(8)4012 362145
Fax: +7(8)4012 362145
E-mail: olotsman@kld.rosmorport.ru

HOURS: H24

PROCEDURE:

- (1) **Pilotage is compulsory** for all vessels over 35m LOA and is available H24.
- (2) **Pilotage is not compulsory** for the following:
 - (a) Russian naval vessels
 - (b) Local vessels under 35m LOA
- (3) **Pilot ordering:**
 - (a) Inward-bound vessels: Vessels should send request for Pilots through the ship's agents 24h in advance and confirm 4h before ETA
 - (b) Outward-bound vessels: Vessels should order the Pilot through the ship's agent no later than 4h before departure
- (4) **Pilot boards** in the following positions:
 - (a) 54° 39'·70N 19° 50'·00E (1.5 n miles W of the entrance to Port Kaliningrad (Baltiysk terminals))
 - (b) Kaliningradsky Morskoy Kanal: 54° 38'·75N 20° 03'·50E (in the vicinity of Lt buoys 11/12)
 - (c) Port Kaliningrad (Pionerskiy terminals):
 - (i) 54° 59'·17N 20° 12'·44E (in the vicinity of Lt buoy No 1)
 - (ii) 55° 00'·00N 20° 23'·80E

Vessel Traffic Service

AREA:

- (1) The water area of the outer roadstead of Port Kaliningrad (Baltiysk terminals), bounded by a 7 n mile radius from the North Entrance Point (54° 38'·97N 19° 52'·28E).
- (2) Kaliningrad Sea Channel.

DESCRIPTION:

Reporting is mandatory: Kaliningrad VTS is a Mandatory Reporting System, whose main function is to control traffic in the zone of responsibility.

CONTACT DETAILS:

Approaches to Port Kaliningrad (Svetliy and Baltiysk terminals)

Call: Baltiysk Traffic
VHF Channel: Ch 16; 67 69 74

Port Kaliningrad (Kaliningrad terminals)

Call: Kaliningrad Port Control
VHF Channel: Ch 67 74

VTS Centre

Telephone: +7(8)4012 362200 (H24)
+7(8)4012 362168 (0800-1700, working days)
Fax: +7(8)4012 362204
E-mail: skaliningrad@kld.rosmorport.ru

HOURS: H24

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PROCEDURE:

(1) **Inward-bound vessels:** Vessels should make initial call to Baltiysk Traffic on VHF Ch 74 or 16, 12h before arrival Port Kaliningrad roadstead. After establishing communication, vessels should transmit the following information:

- (a) Vessel's name
- (b) IMO number
- (c) Call sign
- (d) Vessel's owners
- (e) Master's name
- (f) ETA roadstead
- (g) Vessel's dimensions
- (h) Draught forward and aft
- (i) Destination
- (j) Last port of call
- (k) Number of crew
- (l) Number of passengers

(2) **Outward-bound vessels:**

- (a) Vessels from Port Kaliningrad (Kaliningrad terminals) should contact Kaliningrad Port Control on VHF Ch 67.
- (b) Vessels from Port Kaliningrad (Svetly and Baltiysk terminals) should contact Baltiysk Traffic on VHF Ch 74 or 16.

Port

CONTACT DETAILS:

Port Authority

Telephone: +7(8)4012 579486
Fax: +7(8)4012 579311
E-mail: hmaster@pasp.ru
Website: www.pasp.ru

VTTI Terminal

Telephone: +7(8)4014 530267
Fax: +7(8)4014 530267
Website: www.vtti.com/terminals/bnk-russia

Kaliningrad Port Control

Call: Kaliningrad 5
VHF Channel: Ch 16; 14

Baltiysk Port Control

Call: Baltiysk 5
VHF Channel: Ch 16; 14

Pionersky Port Control

Call: Pionersky 49
VHF Channel: Ch 16; 11

Svetly Port Control

Call: Svetly 49
VHF Channel: Ch 16; 11 74

Ro-Ro Terminal Dispatcher

Call: Kaliningrad 2
VHF Channel: Ch 14

Cargo Terminal Dispatcher

Call: Kaliningrad 31
VHF Channel: Ch 09

Oil Terminal Dispatcher

Call: Kaliningrad 45
VHF Channel: Ch 09

Baltiysk Dispatcher

Call: Stevedore
VHF Channel: Ch 29

Vostochny Dispatcher

Call: Stender
VHF Channel: Ch 77

HOURS: H24

PAGE 358, RUSSIA (Baltic Coast), UST'-LUGA, Vessel Traffic Service, CONTACT DETAILS, Port VTS, VHF Channel section.

Delete and replace by:

VHF Channel: Ch 13 **69** 86

Russian Annual Notice 2022 & Russian Notice 33/3720/22. (RSDRA2022000001267 & RSDRA2022000199338). 48/22

PAGE 358, RUSSIA (Baltic Coast), UST'-LUGA, Port, CONTACT DETAILS, below Port Authority section.

Insert:

Border Control

Call: Coast Guard Ust'-Luga
VHF Channel: Ch 16 (H24)

Russian Annual Notice 2022 & Russian Notice 33/3720/22. (RSDRA2022000001267 & RSDRA2022000199338). 48/22

PAGES 359 & 360, RUSSIA (Baltic Coast), VYBORG, including Vysotsk.

Delete entry and replace by:

VYBORG, including Vysotsk

60° 42'N 28° 43'E

UNCTAD LOCODE: RU VYG

See diagram RUSSIA (BAL TIC COAST), VESSEL TRAFFIC SERVICES (SAINT PETERSBURG (SANKT PETERBURG) section).

Pilots

CONTACT DETAILS:

Pilot Service Controller

Call: Vyborg/Vysotsk Pilot
VHF Channel: Ch 10 12 (Vyborg) 18 (Vysotsk)
Telephone: +7(8)812 3807149 (H24)
+7(8)813 7832481 ext 226 (Mon-Fri: 0830-1700 LT)
Fax: +7(8)812 3807149
E-mail: pilot@vbg.rosmorport.ru

HOURS: H24

PROCEDURE:

- (1) **Pilotage is compulsory** for all vessels and is available H24.
- (2) **Pilot ordering:** Requests for pilotage must be sent to the Pilot Service Controller at least 24h in advance and confirmed 1h before approaching the Port VTS boundary or the Pilot boarding position.
- (3) Vessels intending to depart from the port or to carry out operations within the port must request pilotage at least 6h, with confirmation 2h, in advance.
- (4) **Pilot boards** in the following positions:
 - (a) Vessels bound for the Lukoil II Terminal, Vysotsk:
 - (i) 60°24'·50N 28°05'·00E (in the vicinity of Khalli Lt buoy)
 - (ii) 60°26'·42N 27°42'·67E (near the Fairway Lt buoy)
 - (b) Vessels bound for the Ports of Vyborg or Vysotsk: 60°34'·10N 28°23'·66E

Vessel Traffic Service

AREA:

The Vyborg and Vysotsk Port VTS area comprises:

- (1) Fairway No 4: E of No 3 Lt buoy (60°26'·84N 28°00'·00E).
- (2) Vyborgskiy Zaliv TSS: E of Khalli Lt buoy (60°24'·56N 28°05'·06E).
- (3) N of Veprevskiy Lt (60°27'·88N 28°26'·44E).
- (4) The water area of the Ports of Vyborg and Vysotsk, including the Lukoil II Oil Terminal.

NOTE:

Vessels bound for Vyborg and Vysotsk will pass through the coverage area of Saint Petersburg Coastal VTS. For full operational details see SAINT PETERSBURG (SANKT PETERBURG), Vessel Traffic Service section.

Russian Annual Notice 2022. (RSDRA2022000001267). 48/22

continued on next page

CONTACT DETAILS:**Radio Centre**

Call: Vyborg Radio 1
VHF Channel: Ch 16; 01 02 24

Vysotsk Port VTS

Call: Vysotsk Traffic
VHF Channel: Ch 16; 09 12
Telephone: +7(8)812 3807039

Vyborg Port VTS

Call: Vyborg Radio 5
VHF Channel: Ch 16; 12 68

Vyborg State Port Control Inspection

Call: Vyborg Radio 5
VHF Channel: Ch 16; 12 68
Telephone: +7(8)812 3893234

Vysotsk State Port Control Inspection

Call: Vysotsk Radio 11
VHF Channel: Ch 12
Telephone: +7(8)812 3840161

Vysotsk Lukoil II State Port Control Inspection

Call: Vysotsk Lukoil
VHF Channel: Ch 12
Telephone: +7(8)812 3859055

AIS

MMSI: 002734451

HOURS: H24

PROCEDURE:

(1) Vessels bound for the ports of Vyborg or Vysotsk, or the Saymenskiy Canal, must establish contact with the Port VTS (Vyborg Radio 5) on VHF Ch 12 when approaching the S entrance to the internal Vysotsky Roads and follow instructions.

(2) For further reporting details see SAINT PETERSBURG (SANKT PETERBURG), Vessel Traffic Service section.

Port**CONTACT DETAILS:****Vyborg Port Controller**

Call: Vyborg Radio 2
VHF Channel: Ch 90

Vysotsk Port Controller

Call: Vysotsk Radio 4
VHF Channel: Ch 90

Vysotsk Lukoil II Port Controller

Telephone: +7(8)812 3859027

Port Authority

Telephone: +7(8)813 7826375
Fax: +7(8)813 7824750
E-mail: ivs@vbgport.ru
Website: www.vyborg.ru

Border Control

Call: Coast Guard Vysotsk
VHF Channel: Ch 16

HOURS: H24

Russian Annual Notice 2022 & Russian Notice 33/3720/22, (RSDRA2022000001267 & RSDRA2022000199338), 48/22

VOLUME 6, NP286(3), Third Edition, 2022

Published Wk 27/22

(Last Updates: Weekly Edition No. 47 dated 24 November 2022)

PAGE 310, RUSSIA (Caspian Sea), ASTRAKHAN, Vessel Traffic Service, CONTACT DETAILS, VHF Channel section.

Delete and replace by:

VHF Channel: Ch 16; 05 42 69 (Sector 2) 74 (Sector 1) 79 80 (Auxiliary)

Russian Annual Notice 2022, (RSDRA2022000001267), 48/22

PAGE 311, RUSSIA (Caspian Sea), ASTRAKHAN, Port section.

Delete and replace by:

Port**CONTACT DETAILS:**

Call: Astrakhan Port Control
VHF Channel: Ch 16; 05 09
Telephone: +7(8)8512 563562
Fax: +7(8)8512 563624
E-mail: astrakhanport@mail.ru
Website: www.astrakhanport.com

Vessel Navigation Department

Call: Astrakhan Radio 11
VHF Channel: Ch 05 09

HOURS: H24

Russian Annual Notice 2022, (RSDRA2022000001267), 48/22

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

Published Wk 2/22

(Last Updates: Weekly Edition No. 47 dated 24 November 2022)

PAGE 389, VIETNAM, CAM PHA, Pilots, PROCEDURE, section (2).

Delete and replace by:

(2) **Pilot boards** in the following positions:

- (a) 20°43'·38N 107°10'·58E
- (b) 20°49'·19N 107°17'·29E
- (c) 20°57'·68N 107°20'·58E

Vietnamese ENC V14N0004_ED2_000, (RSDRA2022000073279), 48/22

VOLUME 6, NP286(7), Third Edition, 2022

Published Wk 6/22

(Last Updates: Weekly Edition No. 44 dated 3 November 2022)

PAGE 207, MEXICO, MAZATLÁN, Pilots, PROCEDURE, section (2).

Delete and replace by:

(2) **Pilot boards** in position 23°09'49N 106°25'76W.

Mexican ENC MX531220. (RSDRA2022000168232). 48/22

VOLUME 6, NP286(8), Third Edition, 2022

Published Wk 13/22

(Last Updates: Weekly Edition No. 46 dated 17 November 2022)

PAGE 7, ANGOLA, LUANDA, Pilots, PROCEDURE, section (3).

Delete and replace by:

(3) **Pilot boards** in position 8°45'50S 13°16'80E.

Portuguese Notice 6/221/22. (RSDRA2022000164986). 48/22

VII

UPDATES TO MISCELLANEOUS ADMIRALTY NAUTICAL PUBLICATIONS

There are no updates to miscellaneous Nautical Publications this week

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.

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 V19 is available on the ADP Weekly Update DVD.

The UKHO only supports ADP V18 and V19. Users of older versions of ADP should upgrade to a supported version at their earliest convenience. ADP V18 and V19 are the only versions that allow users to receive tidal updates as they are made available.

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 that there will not be a 2022 ADP release.

Historically we have made new versions of the ADP software available at the end of each year however, there will be no commercial release of ADP this year. Regular changes/improvements have been made throughout the year and therefore there is no value in issuing a new Software version.

The only change this year is a new Base Dataset for Week 42/21 will be added to V19 to refresh the Base Data from the current Week 40/20 to Week 40/21. Nothing else has changed on this V19 version.

The supported ADP versions continue to remain at V18 and V19.

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	16 June 2022 - 24	
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	
	ADMIRALTY Raster Chart Service (ARCS) Regional disc 3	23 June 2022 - 25	15 December 2022 - 50
	ADMIRALTY Raster Chart Service (ARCS) Regional disc 4	24 November 2022 - 47	
	ADMIRALTY Raster Chart Service (ARCS) Regional disc 5	08 September 2022 - 36	
	ADMIRALTY Raster Chart Service (ARCS) Regional disc 6	14 July 2022 - 28	
	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	
	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
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

(V7.0 Jan 2013)

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: sdrr@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"/>			

Alternatively use our H-Note App located here:

admiralty.co.uk/H-note

