

Paper for Consideration by DIPWG

Development of a Combined INT1 / ECDIS Chart 1

Submitted by:	United States (NOAA)
Executive Summary:	<p>This paper reports the progress being made by the U.S. (NOAA) to create a Paper Chart and ECDIS Chart 1 (P/ECDIS Chart 1), a reference that will show both paper and ECDIS (S-52) symbols side-by-side. Creation of this document has been delayed, but is still making progress and completion of the new Chart 1 is hoped for by the end of 2011.</p> <p>Topics discussed include: background on the desire to create a combined Chart 1 reference, the methodology being used to create the document, the challenges arising from the many-to-many relationship between INT 1 and S-52 symbology, some errors discovered in the S-52 Standard, a preliminary format design for the new Chart 1, and the creation of a full S-52 symbol set in JPEG format. A sample of the new Chart 1 format and the INT1 to S-52 symbol mapping are presented in annexes.</p> <p>Recommendations are made to 1.) consider including S-52 symbol JPEG files created as part of the P/ECDIS Chart 1 effort in the S-52 Presentation Library CD for purchase, 2.) compile the resolutions to S-52 errors discovered while creating the P/ECDIS Chart 1 into a deferred amendment to S-52, and 3.) solicit participation by DIPWG and TSMAD members in reviewing and making recommendations for improving the P/ECDIS Chart 1 as successive portions of the document are completed.</p>
Related Documents:	INT1; US Chart No. 1; S-52, Ed. 6.0
Related Projects:	IHO CSPCWG, INT1 Sub-working Group

Terms

ECDIS Chart 1 - The ECDIS Chart 1 was originally, "intended to familiarize the mariner with the colour and symbol coding used by the ECDIS." It is part of the S-52 Presentation Library and is distributed as graphics and tables within the paper specification and also as digital ENC .000 files encoded with NEWOBJ features that were created specifically to depict various S-52 symbols. Symbols are grouped together in traditional INT1 categories, "familiar to the mariner, but are numbered with a look-up sheet, not labelled." [S-52, Section 3.1.4]. Note that there is not a one-to-one relationship between all ECDIS Chart 1 symbols and INT1 paper chart symbols.

INT1 - Any of the various *INT 1 Symbols, Abbreviations, Terms used on Charts* documents (German/English, French or Spanish) that are associated with the IHO *S-4 Chart Specifications of the IHO and Regulations for International (INT) Charts*.

U.S. Chart No. 1 - The U.S. version of INT1 depicting INT1 and other symbols that are used on U.S. (NOAA and NGA) paper charts. Current version is the 10th Edition, November 1997. Edition 11 will have a similar format with updated content.

P/ECDIS Chart 1 (U.S. Chart No. 1 for Paper Charts and ECDIS) - The U.S. version of INT1 depicting INT1 and other symbols that are used on U.S. (NOAA and NGA) paper charts, which will be augmented with an additional column depicting the S-52 symbols that map to traditional paper chart symbols. This will be produced as U.S. Chart No.1, Edition 12. (See a prototype page from section K in Annex A).

Introduction / Background

As a practical matter, the ECDIS Chart 1 is far less accessible and more difficult to use than the INT1 available for users of paper charts. The Chart No. 1 for Paper Charts and ECDIS (P/ECDIS Chart 1) discussed in this paper is intended to provide a more accessible S-52 symbol reference based on the well-known format of the INT1.

The need for an easy to use S-52 symbol reference for mariners has been acknowledged for quite a while. At the 18th meeting of the CSMWG (Capetown 2008) the paper, "10 Things They Should Have Told You About ECDIS," by David Edmonds, from PC Maritime Ltd was submitted for consideration by the working group. <http://www.ihonet.org.net/mtg_docs/com_wg/DIPWG/CSMWG18/CSMWG18-11.1A_Guide_on_ECDIS_Symbology.pdf>

The resulting discussion, as recorded in the CSMWG-18 minutes is excerpted below:

11.4 Development of the Standard Display [Doc. CSMWG18-11.1A]

MJ remarked that item 3 "Know your Symbology" was the only viable suggestion within the scope of this WG. This being "The IHO should standardize terminology for chart related terms and functions. Suggest a glossary with all standardized terminology, including abbreviations". As an example MJ stated that the isolated danger symbol is not familiar to the mariner or under what conditions it is displayed. Therefore there is a requirement for the WG to prepare a set of symbols for S-52 users.

JP said that NOAA/NGA was preparing a new Chart 1.

SR continued to say that they [U.S.] were going to include an additional column specifically for ENC symbols.

At that time, the U.S. expected to produce a P/ECDIS Chart 1 within the next year. The subsequent turnover in personnel assigned to the project, as well as difficulties encountered with the computer system that is being used to produce the new Chart 1 have had a significant impact on the schedule and the scope of the undertaking.

The minutes of the 1st DIPWG (Ottawa, May 2009) excerpted below, explain that the next U.S. Chart 1 (Edition 11) would not include the S-52 references as originally expected.

Action Item 8 & 9

A8. MJ to supply JP with a digital version of INT 1 with text explanations to PL mechanisms, e.g. CSPs via FTP. [Action closed]

A9. US are to enhance CHART 1 to include the additional column containing additional references to ENC symbols.

CH reported that he had met with NGA to discuss Chart 1. Unfortunately, the next edition of the US Chart 1, which is hoped to be available by December 2009, will not include references to ENC symbology. However, this work was still ongoing and it was still the US intention to change the format from portrait to landscape and add a couple of extra columns for ENC symbols in the near future

While NGA is now making progress on producing a non-ECDIS version of Chart 1 (Edition 11), it is probably still a year away. Nevertheless, NOAA has started moving forward on developing a P/ECDIS Chart 1, which will become U.S. Chart No. 1, Edition 12. NOAA will be using the updates being made for Edition 11 as the foundation on which the new Paper/ECDIS, edition 12 will be built. However, there is a significant amount of work that can be accomplished regarding the S-52 to INT1 symbol mapping and document design that is now underway. These preliminary steps are discussed below

Analysis/Discussion

S-52 to INT1 symbol mapping methodology

The IHO S-52, Addendum to Annex A, Part 1, Users' Manual, Edition 3.4 (2008) provides a detailed description of each S-52 point, line and area symbol. NOAA extracted the following data for each symbol and entered it into a database (a Microsoft SharePoint List):

Item	Example
Symbol Name	SY(WRECKS04)
Reference Number (RN)	442
Symbol Explanation	non-dangerous wreck, depth unknown
Symbol Colours	CHBLK
References (INT1)	K26, K27, K29, K30
Simplified Symbol	No
Conspicuous/Non-Conspicuous	N/A
IEC 61174	No
IEC 62288	No

Table 1 (See Annex B for corresponding page of S-52, Part 1, Addendum)

If an S-52 symbol had a reference to INT1 specified, then additional separate records for each INT1 reference were created for each symbol. This resulted in 1764 records. These included over 1500 symbol mappings, as well as one record each for numbers, IEC symbols and other S-52 symbols that do not map to an INT1 symbol. After all the data was extracted from the S-52 Addendum, the data could then be sorted by the INT1 references to determine which S-52 symbols were mapped to each INT1 symbol (see Annex C).

For example, the INT1 paper chart symbol K26, depending on the attribution of the object and other factors, will be portrayed in an ECDIS with one of the S-52 symbols shown in Table 2 on the next page. S-52 Symbols mapped to INT1 Paper Chart Symbol K26		
	SY(DANGER01)	underwater hazard with a defined depth
	SY(DANGER02)	underwater hazard with depth greater than 20 metres
	SY(ISODGR01)	isolated underwater danger of depth less than the mariner's selected safety contour
	SY(WRECKS04)	non-dangerous wreck, depth unknown
	SY(WRECKS05)	dangerous wreck, depth unknown
	LC(NAVARE51)	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.

Table 2

The graph below shows the distribution of number of S-52 symbols to which INT1 symbols mapped. Almost one-third of INT1 symbols map to just one S-52 symbol and 88% of INT1 symbols are referenced by four or fewer S-52 symbol specifications in the S-52 Addendum.

The depiction of these symbols should be relatively easy to accommodate with the traditional paper chart INT1 or Chart 1 format, as can be seen in the P/ECDIS Chart 1 prototype in Annex A. However, 53 INT1 symbols map to five or more S-52 symbols, including seven that map to more than 24 different S-52 symbols each. These symbols present a special challenge and additional explanatory text and graphics will have to be developed to adequately portray these relationships to mariners in a manner that is easy to understand and not too unwieldy.

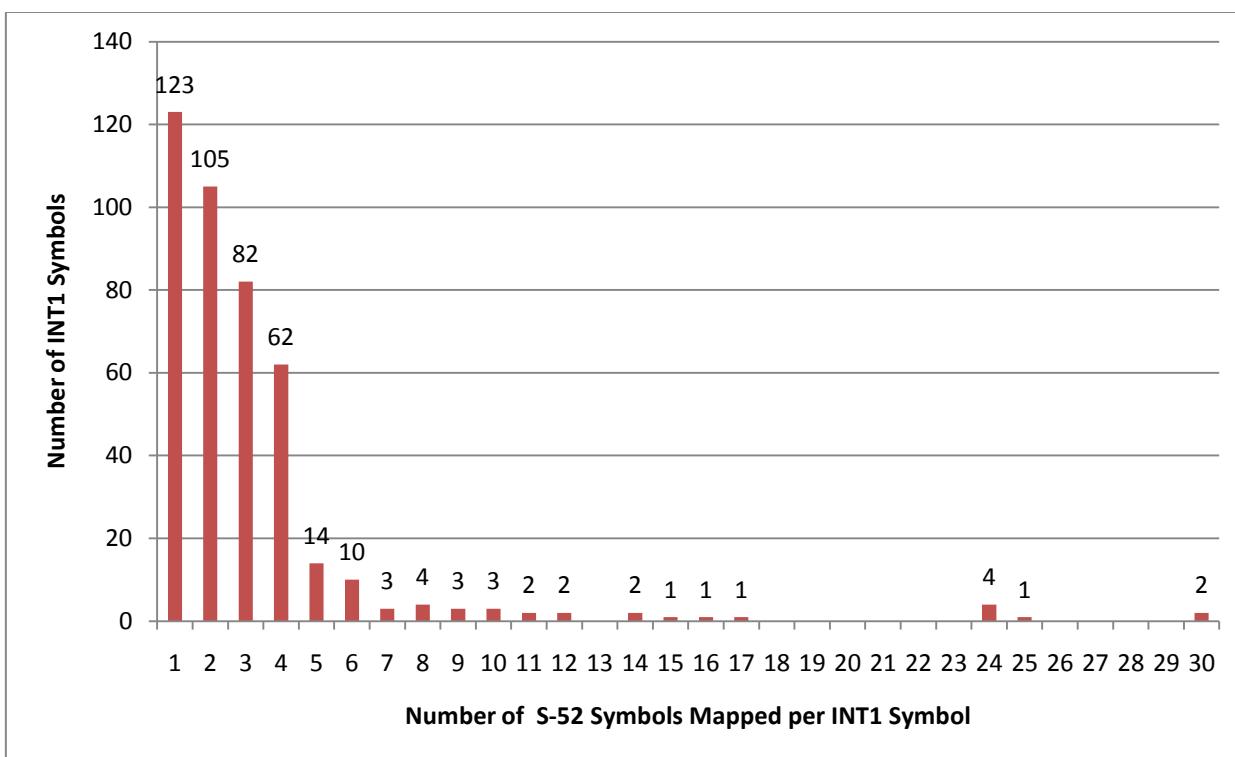


Figure 1

Discovery of Minor S-52 Errors

As NOAA looked at the mapping between the S-52 and INT1 symbols, along with their respective symbol descriptions, it was discovered that the S-52 Addendum may have incorrectly associated some INT1 and S-52 symbols with each other. One example may be seen in the P/ECDIS Chart 1 prototype (Annex A), where the DANGER02, "underwater hazard with depth greater than 20 metres," has been mapped to the INT1 symbol K11, "Rock which covers and uncovers, height above chart datum." As a rock cannot be deeper than 20 meters and also awash, this INT1 is incorrect.

Another error was found in the Presentation Library, Edition 3.4, Annex A, Section 15.3, "List of symbol names & meanings arranged numerically," which listed some older symbol names for symbols that had been replaced with newer versions and incremented symbol numbers in the S-52 Addendum. These errors are shown in the Table 3.

Old Name in Annex A	New Name in Addendum	Description
AISDGR01	AISDGR02	dangerous AIS target
AISSLP01	AISSLP02	sleeping AIS target
AISTRN01	AISTRN03	AIS target turning to starboard
AISTRN02	AISTRN04	AIS target turning to port
AISVES01	AISVES02	active AIS target showing vector and/or heading
ARPATG01	ARPATG02	ARPA target
ARPONE01	ARPONE02	one minute mark on ARPA vector
ARPSIX01	ARPSIX02	six minute mark on ARPA vector
CURSRA01	CURSRA02	ordinary cursor
CURSRB01	CURSRB02	cursor with open centre
ERBLTIK1	ERBLTIK2	range mark for an ERBL
EVENTS02	EVENTS03	mariner's event mark
OSPONE02	OSPONE03	one minute mark for ownship vector
OSPSIX02	OSPSIX03	six minute mark for ownship vector
OWNSHP01	OWNSHP02	own ship symbol, constant size
PASTRK01	PASTRK03	time mark on past track
PASTRK02	PASTRK04	time mark on secondary past track
PLNPOS02	PLNPOS03	cross line for planned position
POSITN02	POSITN03	own ship position fix
TIDCUR01	TIDCUR05	predicted tidal stream or current direction
TIDCUR02	TIDCUR04	actual tidal stream or current direction
VECGND01	VECGND02	arrowhead for own ship vector for course and speed over the ground
VECGND21	VECGND22	arrowhead for ARPA or AIS vector for course and speed over the ground
VECWTR01	VECWTR02	arrowhead for own ship vector for course and speed through the water
VECWTR21	VECWTR22	arrowhead for ARPA vector for course and speed through the water
WAYPNT01	WAYPNT02	waypoint on planned route
WAYPNT03	WAYPNT04	waypoint on alternate planned route

Table 3

Anticipated Changes to INT1

The Chart Standardization and Paper Chart Working Group (CSPCWG) and its INT1 Sub-working group are in the process of proposing several changes to INT1. One of these proposals is the removal of the Section U, "Small Craft Facilities," and moving some of the INT1 U symbols to other sections, as shown in Table4, below.

S-52 Symbol	Description	INT1	Proposed Change for INT1
SY(SMCFAC02)	yacht harbour, marina	U1.2	Rename as F11.2
SY(SMCFAC02)	yacht harbour, marina	U1.1	Rename as F11.1
SY(CHINFO07)	HO information note	U1.1	Rename as F11.1
SY(SMCFAC02)	yacht harbour, marina	U2	Rename as F19.1 and F19.2
SY(SMCFAC02)	yacht harbour, marina	U3	Rename as Q45
SY(SMCFAC02)	yacht harbour, marina	U4	Rename as F11.3
SY(SMCFAC02)	yacht harbour, marina	U5 - U28	Delete as Section U is Removed
SY(SMCFAC02)	yacht harbour, marina	U29	Rename as E37
SY(SMCFAC02)	yacht harbour, marina	U30	Delete as Section U is Removed

Table 4

All but one of the U symbols affected map to the same SMCFAC02 symbol. Other changes being considered are related to the definition and portrayal of Foul Ground and Foul Area, as well as the replacement of Sections G, O, V, W and X with two unlettered indices, named, "Index of abbreviations (National and International)" and "General Index/Translation of terms."

P/ECDIS Format Design

The U.S. intends to make the new Paper/ECDIS Chart 1 as "INT1-like" as possible, so it is expected that changes to INT1 will be adopted in this new document as well. A few features of the new P/ECDIS Chart 1 design include:

- Document will be oriented in a landscape, not portrait, format
- Unlike previous editions of the U.S. Chart 1, the INT1 symbols will now be shown on the left side of the page, next to the INT1 symbol number and the U.S. national symbols (NOAA and NGA) will be shown on the right side, as is the case for other INT1 documents.
- Section letters will be displayed on both sides of the top of each page.
- Several new narrative sections written especially for ECDIS users. These sections will summarize various important ECDIS concepts from the S-52 standard, such as:
 - Different design requirements for Paper and ECDIS symbology
 - Special types of ECDIS specific symbols (Isolated Danger, Safety Contour)
 - How specific conditions can affect the portrayal of some features
 - Conditions which could change the portrayal of a feature, such as safety contour setting
 - Simplified symbology
 - Colour palettes (Day, Night, Dusk)
 - Viewing groups
 - The *i* and *?* families of S-52 symbols
 - Unknown object
 - Portrayal of area features with centred symbols

The S-52 Symbols

Most of the S-52 symbols that will be used in the P/ECDIS Chart 1 were converted to JPEGs using a screen capture application and the "ECDIS Symbol Editor" tool, provided by Sven Herberg, which was originally used by SevenCs and BSH to create the graphics for the S-52, Addendum. Some minor modifications and the creation of newly adopted S-52 symbols were done using Microsoft ® Paint. A complete set of S-52 symbols will be available as JPEGs as a result of the P/ECDIS Chart 1 effort. DIPWG may want to consider releasing these are part of the Presentation Library in the future.

Recommendations

1. Consider including the S-52 symbol JPEG files created as part of the P/ECDIS Chart 1 effort in the S-52 Presentation Library CD for purchase.
2. Compile S-52 errors identified here and any others discovered while creating the P/ECDIS Chart 1 into a deferred amendment to S-52.
3. Solicit participation by DIPWG and TSMAD members in reviewing and making recommendations for improving the P/ECDIS Chart 1 as successive portions of the document are completed.

Action Required of DIPWG

The DIPWG is invited to:

Endorse the work done by the United States

Review and comment on the prototype P/ECDIS Chart 1 format presented in Annex A.

Review and comment on the accuracy of the S-52 to INT 1 symbol mapping presented in Annex C.

Make recommendations for any additional narrative sections of the P/ECDIS Chart 1 that would enhance mariners' understanding of the S-52 symbology.

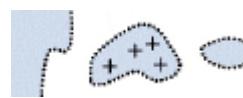
Compile S-52 errors identified here and any others discovered while creating the P/ECDIS Chart 1 into a deferred amendment to S-52.

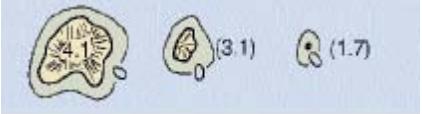
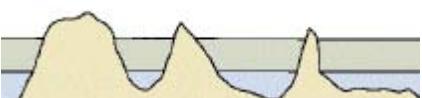
Annex A

K

Rocks, Wrecks, Obstructions

K

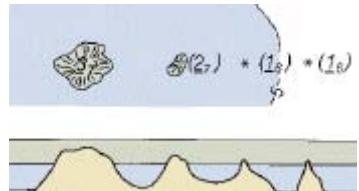
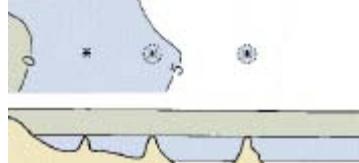
General						
No.	INT	Description	NOAA	NGA	Other NGA	ECDIS
1		Danger line, in general				 underwater hazard with a defined depth  obstruction, depth not stated  obstruction which covers and uncovers  isolated underwater danger of depth less than the mariner's selected safety contour  boundary of a navigation feature such as a fairway, magnetic anomaly, etc.  foul area, not safe for navigation
2		Swept by wire drag or diver	 	  		 symbol for swept sounding, used for deep soundings greater than safety depth  symbol for swept sounding, used for shallow soundings, less than or equal to safety depth

Rocks						
Plane of Reference for Heights → H				Plane of Reference for Depths → H		
No.	INT	Description	NOAA	NGA	Other NGA	ECDIS
10	 	Rock (islet) which does not cover, height above height datum				 land as a point at small scale  position of an elevation or control point

K

Rocks, Wrecks, Obstructions

K

No.	INT	Description	NOAA	NGA	Other NGA	ECDIS
11		Rock which covers and uncovers, height above chart datum	*(2) * (1) * (1)	(0e) Uncov 2ft *(0e) Uncov 2ft *(1e)	*	 rock which covers and uncovers or is awash at low water  underwater hazard with depth greater than 20 metres  underwater hazard which covers and uncovers  isolated underwater danger of depth less than the mariner's selected safety contour
12		Rock awash at the level of chart datum		*	(*)	 rock which covers and uncovers or is awash at low water  underwater hazard which covers and uncovers

Annex B

Symbol Name:	SY(WRECKS04)	RN: 442
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Symbol Explanation: non-dangerous wreck, depth unknown

Look up table affected: N/A

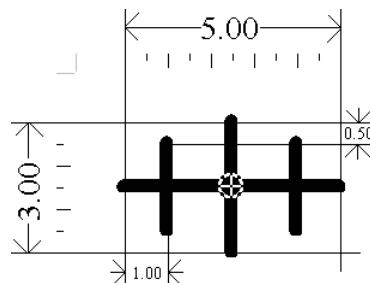
Called by CSP etc.: CSP WRECKS03 Continuation A

Pivot Point Column: 2.50

Pivot Point Row: 1.50

Width of Bounding Box: 5.00

Height of Bounding Box: 3.00



Symbol Colours: CHBLK

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
WRECKS	K 26, 27, 29, 30	(K 29) †

Annex C

S-52 to INT1

Symbol Mapping

Sorted Alphabetically by
INT1 Symbol Letter/Number

(Annex C) S-52 to INT1 Symbol Mapping

INT 1	RC	S-52	Simp	Description	Sym
INT 1 : B20 (1)					
B20	195	SY (POSGEN04)	No	position of an elevation or control point	
INT 1 : B21 (1)					
B21	195	SY (POSGEN04)	No	position of an elevation or control point	
INT 1 : B22 (1)					
B22	195	SY (POSGEN04)	No	position of an elevation or control point	
INT 1 : B23 (1)					
B23	195	SY (POSGEN04)	No	position of an elevation or control point	
INT 1 : B24 (1)					
B24	195	SY (POSGEN04)	No	position of an elevation or control point	

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INT 1 : B60 (2)

B60	166	SY (MAGVAR01)	No	cursor pick site for magnetic variation at a point
B60	167	SY (MAGVAR51)	No	cursor pick site for magnetic variation along a line or over an area

INT 1 : B66 (2)

B66	166	SY (MAGVAR01)	No	cursor pick site for magnetic variation at a point
B66	167	SY (MAGVAR51)	No	cursor pick site for magnetic variation along a line or over an area

INT 1 : B68.1 (1)

B68.1	166	SY (MAGVAR01)	No	cursor pick site for magnetic variation at a point
B7	165	SY (LOWACC01)	No	point feature or area of low accuracy

INT 1 : B7 (4)

B7	165	SY (LOWACC01)	No	point feature or area of low accuracy
B7	202	SY	No	position

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(QUAPOS01) approximate



B7	298	SY (SOUNDGC2)	No	sounding of low accuracy
B7	362	SY (SOUNDSC2)	No	sounding of low accuracy

INT 1 : B70 (2)

B70	166	SY (MAGVAR01)	No	cursor pick site for magnetic variation at a point
B70	167	SY (MAGVAR51)	No	cursor pick site for magnetic variation along a line or over an area

INT 1 : B71 (2)

B71	166	SY (MAGVAR01)	No	cursor pick site for magnetic variation at a point
B71	167	SY (MAGVAR51)	No	cursor pick site for magnetic variation along a line or over an area

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INT 1 : B8 (3)

B8	165	SY (LOWACC01)	No	point feature or area of low accuracy
B8	298	SY (SOUNDGC2)	No	sounding of low accuracy
B8	362	SY (SOUNDSC2)	No	sounding of low accuracy

INT 1 : B82.1 (3)

B82.1	498	LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.
B82.1	163	SY (LOCMAG01)	No	cursor pick site for a magnetic anomaly at a point or along a line
B82.1	164	SY (LOCMAG51)	No	cursor pick site for a magnetic anomaly over an area

INT 1 : B82.2 (3)

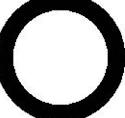
B82.2	498	LC (NAVARE51)	No	boundary of a navigation
B82.2	498	LC (NAVARE51)	No	boundary of a navigation

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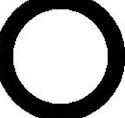
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B82.2	163	SY (LOCMAG01)	No	cursor pick site for a magnetic anomaly at a point or along a line	
B82.2	164	SY (LOCMAG51)	No	cursor pick site for a magnetic anomaly over an area	

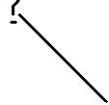
INT 1 : C10 (1)

C10	195	SY (POSGEN04)	No	position of an elevation or control point	
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INT 1 : C11 (1)

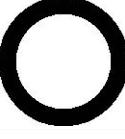
C11	195	SY (POSGEN04)	No	position of an elevation or control point	
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INT 1 : C12 (2)

C12	165	SY (LOWACC01)	No	point feature or area of low accuracy	
C12	195	SY (POSGEN04)	No	position of an elevation or control point	

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INT 1 : C13 (1)

C13	195	SY (POSGEN04)	No	position of an elevation or control point	
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INT 1 : C14 (1)

C14	467	AP (VEGATN03)	No	pattern of symbols for wooded areas	
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INT 1 : C2 (2)

C2	494	LC (LOWACC21)	No	coastline or shoreline construction of low accuracy in position	
C2	165	SY (LOWACC01)	No	point feature or area of low accuracy	

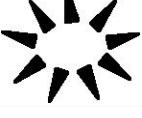
INT 1 : C25 (1)

C25	457	AP (ICEARE04)	No	continuous pattern for an ice area (glacier, etc.)	
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INT 1 : C3 (2)

C3	144	SY (HILTOP01)	No	hill or mountain top	
C3	145	SY (HILTOP11)	No	conspicuous hill or mountain top	

INT 1 : C30 (2)

C30	467	AP (VEGATN03)	No	pattern of symbols for wooded areas	
C30	413	SY (TREPNT04)	No	general symbol for a tree	

INT 1 : C31 (1)

C31	413	SY (TREPNT04)	No	general symbol for a tree	
C31.1	467	AP (VEGATN03)	No	pattern of symbols for wooded areas	

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INT 1 : C31.2 (1)

C31.2	467	AP (VEGATN03)	No	pattern of symbols for wooded areas	
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INT 1 : C31.3 (1)

C31.3	467	AP (VEGATN03)	No	pattern of symbols for wooded areas	
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INT 1 : C31.4 (1)

C31.4	467	AP (VEGATN03)	No	pattern of symbols for wooded areas	
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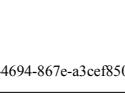
INT 1 : C31.5 (1)

C31.5	467	AP (VEGATN03)	No	pattern of symbols for wooded areas	
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INT 1 : C31.6 (1)

C31.6	467	AP (VEGATN03)	No	pattern of symbols for wooded areas	
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INT 1 : C31.7 (1)

C31.7	467	AP (VEGATN03)	No	pattern of symbols for	
-------	-----	------------------	----	------------------------	---

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

wooded areas



INT 1 : C31.8 (1)

C31.8 467 AP (VEGATN03) No pattern of symbols for wooded areas



INT 1 : C32 (4)

C32 468 AP (VEGATN04) No pattern of symbols for mangroves



C32 494 LC (LOWACC21) No coastline or shoreline construction of low accuracy in position



C32 165 SY (LOWACC01) No point feature or area of low accuracy



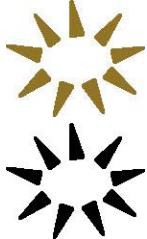
C32 414 SY (TREPNT05) No Mangrove



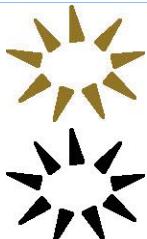
INT 1 : C33 (4)

C33 459 AP (MASHES1) No pattern of symbols for a

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

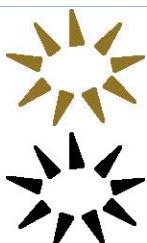


C8 145 SY (HILTOP11) No conspicuous hill or mountain top



INT 1 : D14 (2)

D14 144 SY (HILTOP01) No hill or mountain top

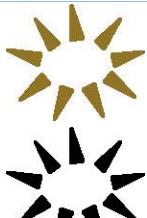


D14 145 SY (HILTOP11) No conspicuous hill or mountain top



INT 1 : D15 (2)

D15 144 SY (HILTOP01) No hill or mountain top



D15 145 SY (HILTOP11) No conspicuous hill or mountain top

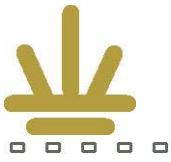


INT 1 : D17 (2)

D17 444 AP (AIRARE02) No pattern of symbols for an airport area

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

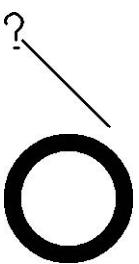
marsh



C33 494 LC (LOWACC21) No coastline or shoreline construction of low accuracy in position

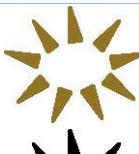
C33 165 SY (LOWACC01) No point feature or area of low accuracy

C33 195 SY (POSGEN04) No position of an elevation or control point



INT 1 : C4 (2)

C4 144 SY (HILTOP01) No hill or mountain top



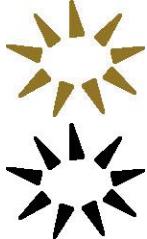
C4 145 SY (HILTOP11) No conspicuous hill or mountain top



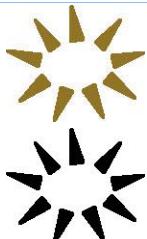
INT 1 : C8 (2)

C8 144 SY (HILTOP01) No hill or mountain top

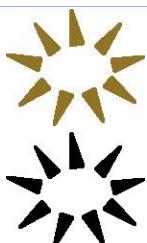
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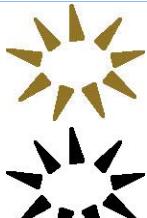
C8 145 SY (HILTOP11) No conspicuous hill or mountain top



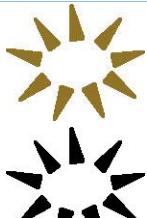
D14 144 SY (HILTOP01) No hill or mountain top



D14 145 SY (HILTOP11) No conspicuous hill or mountain top



D15 144 SY (HILTOP01) No hill or mountain top



D15 145 SY (HILTOP11) No conspicuous hill or mountain top



D17 444 AP (AIRARE02) No pattern of symbols for an airport area



D17 7 SY (AIRARE02) No symbol for airport as a point



INT 1 : D23.1 (1)

D23.1 63 SY (BRIDGE01) No symbol for opening bridge



INT 1 : D23.2 (1)

D23.2 63 SY (BRIDGE01) No symbol for opening bridge



INT 1 : D23.3 (1)

D23.3 63 SY (BRIDGE01) No symbol for opening bridge



INT 1 : D23.4 (1)

D23.4 63 SY (BRIDGE01) No symbol for opening bridge



http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

INT 1 : D23.5 (1)

D23.5 63 SY (BRIDGE01) No symbol for opening bridge

**INT 1 : D23.6 (1)**

D23.6 63 SY (BRIDGE01) No symbol for opening bridge

**INT 1 : D25 (1)**

D25 205 SY (RACNSP01) No symbol indicating this object is radar conspicuous

**INT 1 : D26 (2)**

D26 194 SY (POSGEN03) No position of a conspicuous point feature



D26 205 SY (RACNSP01) No symbol indicating this object is radar conspicuous

**INT 1 : D28 (1)**

D28 205 SY (RACNSP01) No symbol indicating this object is radar conspicuous

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

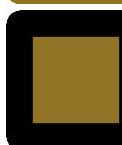
Page 13 of 241

INT 1 : D6 (2)

D6 72 SY (BUIISGL01) No single building



D6 73 SY (BUIISGL11) No conspicuous single building

**INT 1 : D8 (2)**

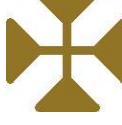
D8 72 SY (BUIISGL01) No single building



D8 73 SY (BUIISGL11) No conspicuous single building

**INT 1 : E10.1 (2)**

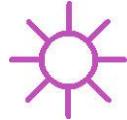
E10.1 66 SY (BUIREL01) No non-conspicuous religious building, Christian



E10.1 69 SY (BUIREL13) No conspicuous religious building, Christian

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

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**INT 1 : D29 (1)**

D29 501 LC (PIPSOL05) No oil, gas pipeline, submerged or on land

**INT 1 : D3 (1)**

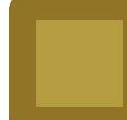
D3 65 SY (BUAARE02) No built-up area

**INT 1 : D4 (1)**

D4 65 SY (BUAARE02) No built-up area

**INT 1 : D5 (2)**

D5 72 SY (BUIISGL01) No single building



D5 73 SY (BUIISGL11) No conspicuous single building



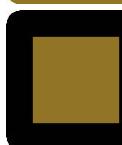
http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

INT 1 : D6 (2)

D6 72 SY (BUIISGL01) No single building



D6 73 SY (BUIISGL11) No conspicuous single building

**INT 1 : D8 (2)**

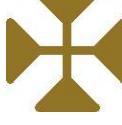
D8 72 SY (BUIISGL01) No single building



D8 73 SY (BUIISGL11) No conspicuous single building

**INT 1 : E10.1 (2)**

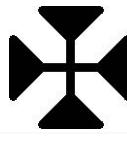
E10.1 66 SY (BUIREL01) No non-conspicuous religious building, Christian



E10.1 69 SY (BUIREL13) No conspicuous religious building, Christian

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

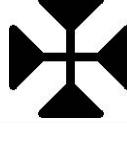
Page 15 of 241

**INT 1 : E10.2 (2)**

E10.2 66 SY (BUIREL01) No non-conspicuous religious building, Christian



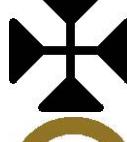
E10.2 69 SY (BUIREL13) No conspicuous religious building, Christian

**INT 1 : E10.3 (3)**

E10.3 66 SY (BUIREL01) No non-conspicuous religious building, Christian



E10.3 69 SY (BUIREL13) No conspicuous religious building, Christian

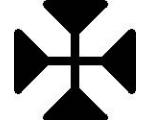
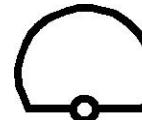
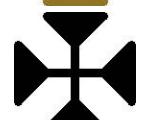
**INT 1 : E10.4 (4)**

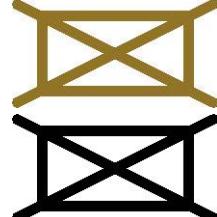
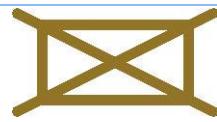
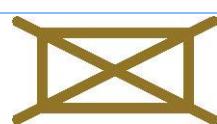
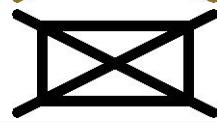
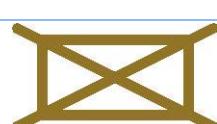
E10.4 66 SY No non-conspicuous

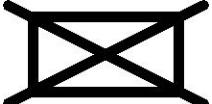
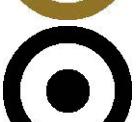


http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

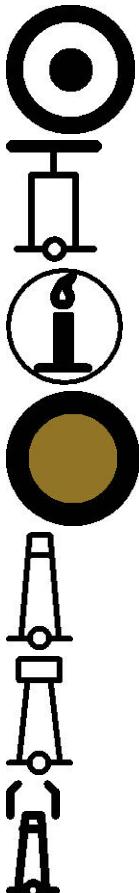
Page 16 of 241

				religious building, Christian	
E10.4	69	SY (BUIREL13)	No	conspicuous religious building, Christian	
E10.4	111	SY (DOMES001)	No	Dome	
E10.4	112	SY (DOMES011)	No	conspicuous dome	
<u>INT 1 : E11 (2)</u>					
E11	66	SY (BUIREL01)	No	non-conspicuous religious building, Christian	
E11	69	SY (BUIREL13)	No	conspicuous religious building, Christian	
<u>INT 1 : E13 (2)</u>					
E13	67	SY (BUIREL04)	No	non-conspicuous religious building, non-Christian	

E13	70	SY (BUIREL14)	No	conspicuous religious building, non-Christian	
■ INT 1 : E14 (2)					
E14	67	SY (BUIREL04)	No	non-conspicuous religious building, non-Christian	
E14	70	SY (BUIREL14)	No	conspicuous religious building, non-Christian	
■ INT 1 : E15 (2)					
E15	67	SY (BUIREL04)	No	non-conspicuous religious building, non-Christian	
E15	70	SY (BUIREL14)	No	conspicuous religious building, non-Christian	
■ INT 1 : E16 (2)					
E16	67	SY (BUIREL04)	No	non-conspicuous religious building, non-Christian	

E16	70	SY (BUIREL14)	No	conspicuous religious building, non-Christian	
INT 1 : E17 (4)					
E17	68	SY (BUIREL05)	No	mosque or minaret	
E17	71	SY (BUIREL15)	No	conspicuous mosque or minaret	
E17	193	SY (POSGEN01)	No	position of a point feature	
E17	194	SY (POSGEN03)	No	position of a conspicuous point feature	
INT 1 : E18 (2)					
E18	68	SY (BUIREL05)	No	mosque or minaret	
E18	71	SY (BUIREL15)	No	conspicuous mosque or minaret	

E2 112 SY (DOMES011)				
		No	conspicuous dome	
E2	114	SY (DSHAER11)	No	conspicuous dish aerial
E2	126	SY (FLASTK11)	No	conspicuous flare stack
E2	131	SY (FORSTC11)	No	conspicuous fortified structure
E2	170	SY (MONUMT12)	No	conspicuous monument
E2	194	SY (POSGEN03)	No	position of a conspicuous point feature



E2 208 SY (RASCAN11) No Conspicuous radar scanner

E2 223 SY (RFNERY11) No Conspicuous refinery

E2 232 SY (SILBUI11) No Conspicuous silo

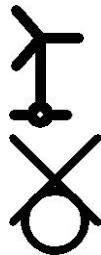
E2 409 SY (TOWERS03) No Conspicuous tower

E2 411 SY (TOWERS12) No Conspicuous water tower

E2 412 SY (TOWERS15) No Conspicuous radio, television tower

E2 436 SY No Conspicuous

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010



E2 440 SY (WNDMIL12) No Conspicuous windmill

INT 1 : E20 (2)

E20 407 SY (TOWERS01) No Tower



E20 409 SY (TOWERS03) No Conspicuous tower

INT 1 : E21 (2)

E21 408 SY (TOWERS02) No water tower



E21 411 SY (TOWERS12) No Conspicuous water tower

INT 1 : E22 (2)

E22 80 SY (CHIMNY01) No Chimney

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010



E22 81 SY (CHIMNY11) No conspicuous chimney

INT 1 : E23 (2)

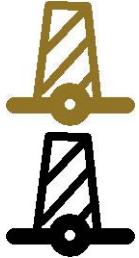
E23 125 SY (FLASTK01) No flare stack



E23 126 SY (FLASTK11) No conspicuous flare stack

INT 1 : E24 (2)

E24 169 SY (MONUMT02) No Monument



E24 170 SY (MONUMT12) No conspicuous monument

INT 1 : E25.1 (2)

E25.1 439 SY No Windmill

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010



E25.1 440 SY (WNDMIL12) No Conspicuous windmill

INT 1 : E25.2 (2)

E25.2 439 SY (WNDMIL02) No Windmill



E25.2 440 SY (WNDMIL12) No Conspicuous windmill

INT 1 : E26.1 (2)

E26.1 435 SY (WIMCON01) No Windmotor



E26.1 436 SY (WIMCON11) No Conspicuous windmotor

INT 1 : E26.2 (2)

E26.2 437 SY (WNDFRM51) No wind generator farm

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010



E26.2 438 SY (WNDFRM61) No Conspicuous wind generator farm

INT 1 : E27 (1)

E27 128 SY (FLGSTF01) No flagstaff, flagpole



INT 1 : E28 (2)

E28 173 SY (MSTCON04) No Mast



E28 174 SY (MSTCON14) No conspicuous mast



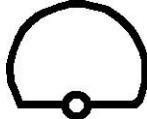
INT 1 : E29 (2)

E29 410 SY (TOWERS05) No radio, television tower



E29 412 SY No Conspicuous

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010



INT 1 : E31 (2)

E31 113 SY (DSHAER01) No dish aerial



E31 114 SY (DSHAER11) No conspicuous dish aerial



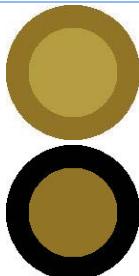
INT 1 : E32 (1)

E32 373 SY (TNKCON02) No Tank

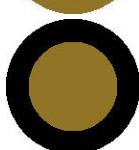


INT 1 : E33 (3)

E33 231 SY (SILBUI01) No Silo



E33 232 SY (SILBUI11) No Conspicuous silo



http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010



INT 1 : E30.1 (2)

E30.1 173 SY (MSTCON04) No Mast



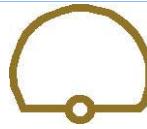
E30.1 174 SY (MSTCON14) No conspicuous mast



INT 1 : E30.3 (2)

E30.3 207 SY (RASCAN01) No radar scanner

E30.3 208 SY (RASCAN11) No Conspicuous radar scanner



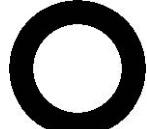
INT 1 : E30.4 (2)

E30.4 111 SY (DOMES001) No Dome

E30.4 112 SY (DOMES011) No conspicuous dome

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

E33 374 SY (TNKCON12) No Conspicuous tank



INT 1 : E34 (1)

E34 375 SY (TNKFRM01) No tank farm

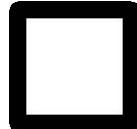


INT 1 : E34.1 (2)

E34.1 130 SY (FORSTC01) No fortified structure

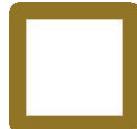


E34.1 131 SY (FORSTC11) No conspicuous fortified structure



INT 1 : E34.2 (2)

E34.2 130 SY (FORSTC01) No fortified structure



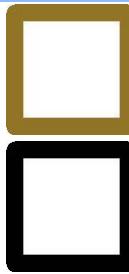
E34.2 131 SY (FORSTC11) No conspicuous fortified structure



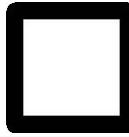
http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

INT 1 : E34.3 (2)

E34.3 130 SY (FORSTC01) No fortified structure



E34.3 131 SY (FORSTC11) No conspicuous fortified structure

**INT 1 : E35 (1)**

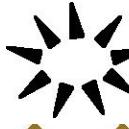
E35 376 SY (TNKFRM11) No Conspicuous tank farm

**INT 1 : E35.1 (4)**

E35.1 144 SY (HILTOP01) No hill or mountain top



E35.1 145 SY (HILTOP11) No conspicuous hill or mountain top



E35.1 199 SY (PRDINS02) No mine, quarry



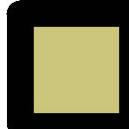
E35.1 203 SY No Quarry

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

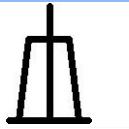
F19 64 SY (BRTHNO01) No berth number symbol

**INT 1 : F20 (1)**

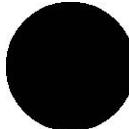
F20 171 SY (MORFAC03) No mooring dolphin

**INT 1 : F21 (1)**

F21 172 SY (MORFAC04) No deviation mooring dolphin

**INT 1 : F22 (1)**

F22 188 SY (PILPNT02) No pile or bollard

**INT 1 : F30 (1)**

F30 494 LC (LOWACC21) No coastline or shoreline construction of low accuracy in position

**INT 1 : F31 (1)**

F31 494 LC (LOWACC21) No coastline or shoreline construction of



http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

(QUARRY01)

**INT 1 : E35.2 (2)**

E35.2 199 SY (PRDINS02) No mine, quarry



E35.2 203 SY (QUARRY01) No Quarry

**INT 1 : F10 (2)**

F10 83 SY (CHINFO07) No HO information note



F10 146 SY (HRBFAC09) No fishing harbour

**INT 1 : F17 (1)**

F17 234 SY (SMCFAC02) No yacht harbour, marina

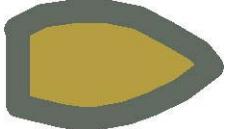
**INT 1 : F19 (1)**

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

low accuracy in position

INT 1 : F34 (1)

F34 147 SY (HULKES01) No Hulk

**INT 1 : F40 (2)**

F40 108 SY (DISMAR03) No distance mark



F40 109 SY (DISMAR04) No distance point with no mark

**INT 1 : F41.1 (1)**

F41.1 142 SY (GATCON03) No navigable lock gate

**INT 1 : F41.2 (1)**

F41.2 142 SY (GATCON03) No navigable lock gate

**INT 1 : F42 (1)**

F42 143 SY (GATCON04) No non-navigable lock gate

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010



INT 1 : F43 (1)

F43 143 SY (GATCON04) No non-navigable lock gate



INT 1 : F44 (1)

F44 82 SY (CHINFO06) No HO caution note



INT 1 : F50 (2)

F50 83 SY (CHINFO07) No HO information note



RoRo

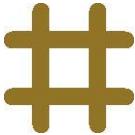
INT 1 : F52 (2)

F52 83 SY (CHINFO07) No HO information note



F52 372 SY (TMBYRD01) No timber yard

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010



INT 1 : F53.1 (1)

F53.1 90 SY (CRANES01) No Cranes



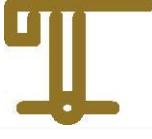
INT 1 : F53.2 (1)

F53.2 90 SY (CRANES01) No Cranes



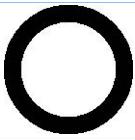
INT 1 : F53.3 (1)

F53.3 90 SY (CRANES01) No Cranes



INT 1 : G10 (1)

G10 195 SY (POSGEN04) No position of an elevation or control point

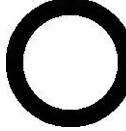


INT 1 : G11 (1)

G11 195 SY (POSGEN04) No position of an elevation or

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

control point



INT 1 : G117 (4)

G117 152 SY (LIGHTS11) No light flare, red



G117 153 SY (LIGHTS12) No light flare, green



G117 154 SY (LIGHTS13) No light flare, white or yellow

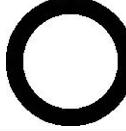


G117 157 SY (LITDEF11) No light flare



INT 1 : G12 (1)

G12 195 SY (POSGEN04) No position of an elevation or control point



INT 1 : G131 (1)

G131 234 SY (SMCFAC02) No yacht harbour, marina

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010



INT 1 : G171 (1)

G171 171 SY (MORFAC03) No mooring dolphin



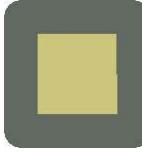
INT 1 : G178 (1)

G178 524 SY (FLTHAZ02) No floating hazard to navigation

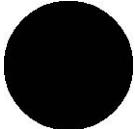


INT 1 : G179 (2)

G179 179 SY (OBSTRN11) No obstruction in the water which is always above water level



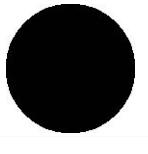
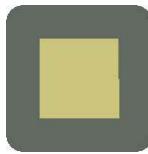
G179 188 SY (PILPNT02) No pile or bollard



INT 1 : G180 (2)

G180 179 SY (OBSTRN11) No obstruction in the water which is always above water level

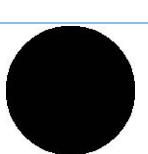
http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010



G180 188 SY (PILPNT02) No pile or bollard

INT 1 : G181 (1)

G181 188 SY (PILPNT02) No pile or bollard



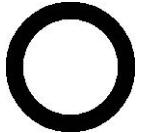
INT 1 : G182 (1)

G182 205 SY (RACNSP01) No symbol indicating this object is radar conspicuous



INT 1 : G20 (1)

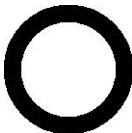
G20 195 SY (POSGEN04) No position of an elevation or control point



INT 1 : G21 (1)

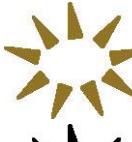
G21 195 SY (POSGEN04) No position of an elevation or control point

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

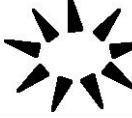


INT 1 : G22 (2)

G22 144 SY (HILTOP01) No hill or mountain top



G22 145 SY (HILTOP11) No conspicuous hill or mountain top



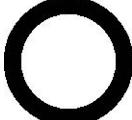
INT 1 : G23 (1)

G23 195 SY (POSGEN04) No position of an elevation or control point



INT 1 : G24 (1)

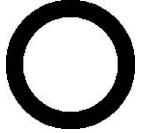
G24 195 SY (POSGEN04) No position of an elevation or control point



INT 1 : G25 (1)

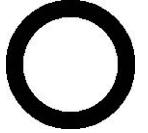
G25 195 SY (POSGEN04) No position of an elevation or control point

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010



INT 1 : G26 (1)

G26 195 SY (POSGEN04) No position of an elevation or control point

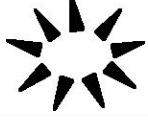


INT 1 : G27 (2)

G27 144 SY (HILTOP01) No hill or mountain top

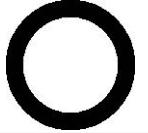


G27 145 SY (HILTOP11) No conspicuous hill or mountain top



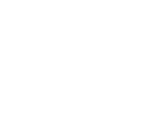
INT 1 : G29 (1)

G29 195 SY (POSGEN04) No position of an elevation or control point

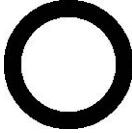


INT 1 : G3 (1)

G3 195 SY (POSGEN04) No position of an elevation or control point

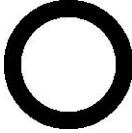


http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010



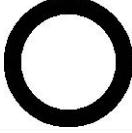
INT 1 : G30 (1)

G30 195 SY (POSGEN04) No position of an elevation or control point



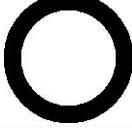
INT 1 : G31 (1)

G31 195 SY (POSGEN04) No position of an elevation or control point



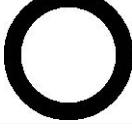
INT 1 : G32 (1)

G32 195 SY (POSGEN04) No position of an elevation or control point



INT 1 : G33 (1)

G33 195 SY (POSGEN04) No position of an elevation or control point

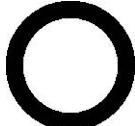


INT 1 : G35 (1)

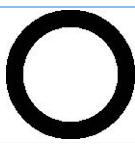
G35 195 SY (POSGEN04) No position of an elevation or control point

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

control point

**INT 1 : G36 (1)**

G36 195 SY
(POSGEN04) No position of an elevation or control point

**INT 1 : G37 (1)**

G37 467 AP
(VEGATN03) No pattern of symbols for wooded areas

**INT 1 : G38 (1)**

G38 467 AP
(VEGATN03) No pattern of symbols for wooded areas

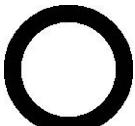
**INT 1 : G39 (1)**

G39 467 AP
(VEGATN03) No pattern of symbols for wooded areas

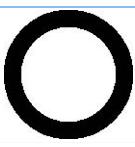
**INT 1 : G4 (1)**

G4 195 SY
(POSGEN04) No position of an elevation or control point

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

**INT 1 : G5 (1)**

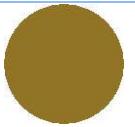
G5 195 SY
(POSGEN04) No position of an elevation or control point

**INT 1 : G50 (1)**

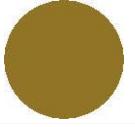
G50 65 SY
(BUAARE02) No built-up area

**INT 1 : G51 (1)**

G51 65 SY
(BUAARE02) No built-up area

**INT 1 : G52 (1)**

G52 65 SY
(BUAARE02) No built-up area

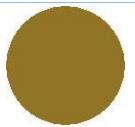
**INT 1 : G53 (1)**

G53 65 SY
(BUAARE02) No built-up area

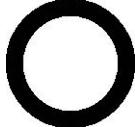
http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

**INT 1 : G54 (1)**

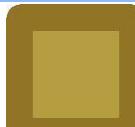
G54 65 SY
(BUAARE02) No built-up area

**INT 1 : G6 (1)**

G6 195 SY
(POSGEN04) No position of an elevation or control point

**INT 1 : G60 (2)**

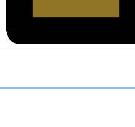
G60 72 SY
(BUIISGL01) No single building



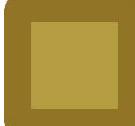
G60 73 SY
(BUIISGL11) No conspicuous single building

**INT 1 : G61 (2)**

G61 72 SY
(BUIISGL01) No single building



http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010



G61 73 SY
(BUIISGL11) No conspicuous single building

**INT 1 : G62 (2)**

G62 72 SY
(BUIISGL01) No single building



G62 73 SY
(BUIISGL11) No conspicuous single building

**INT 1 : G63 (2)**

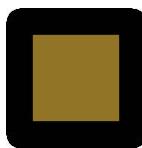
G63 72 SY
(BUIISGL01) No single building



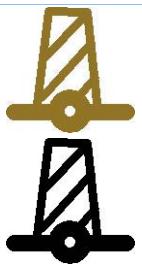
G63 73 SY
(BUIISGL11) No conspicuous single building



http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

**INT 1 : G66 (2)**

G66 169 SY (MONUMT02) No Monument

**INT 1 : G67 (2)**

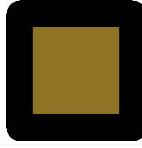
G67 173 SY (MSTCON04) No Mast

**INT 1 : G68 (2)**

G68 407 SY (TOWERS01) No Tower



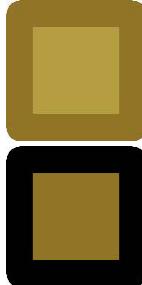
http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

**INT 1 : G75 (1)**

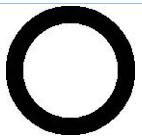
G75 66 SY (BUIREL01) No non-conspicuous religious building, Christian

**INT 1 : G76 (2)**

G76 72 SY (BUIISGL01) No single building

**INT 1 : G8 (1)**

G8 195 SY (POSGEN04) No position of an elevation or control point

**INT 1 : G83 (2)**

G83 72 SY (BUIISGL01) No single building

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

G68 409 SY (TOWERS03) No Conspicuous tower

**INT 1 : G69 (2)**

G69 173 SY (MSTCON04) No Mast



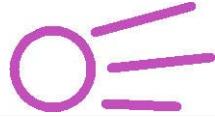
G69 174 SY (MSTCON14) No conspicuous mast

**INT 1 : G7 (1)**

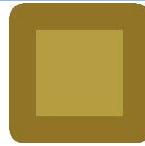
G7 195 SY (POSGEN04) No position of an elevation or control point

**INT 1 : G70 (1)**

G70 156 SY (LIGHTS82) No Floodlight

**INT 1 : G71 (2)**

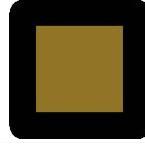
G71 72 SY (BUIISGL01) No single building



http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010



G83 73 SY (BUIISGL11) No conspicuous single building

**INT 1 : G84 (2)**

G84 72 SY (BUIISGL01) No single building



G84 73 SY (BUIISGL11) No conspicuous single building

**INT 1 : G87 (4)**

G87 125 SY (FLASTK01) No flare stack



G87 126 SY (FLASTK11) No conspicuous flare stack



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G87 222 SY (RFNERY01) No Refinery



G87 223 SY (RFNERY11) No Conspicuous refinery



INT 1 : G9 (1)

G9 195 SY (POSGEN04) No position of an elevation or control point



INT 1 : G93 (3)

G93 72 SY (BUIISGL01) No single building



G93 73 SY (BUIISGL11) No conspicuous single building



G93 234 SY (SMCFAC02) No yacht harbour, marina



INT 1 : G95 (2)

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G95 72 SY (BUIISGL01) No single building



G95 73 SY (BUIISGL11) No conspicuous single building

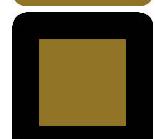


INT 1 : G97 (2)

G97 72 SY (BUIISGL01) No single building



G97 73 SY (BUIISGL11) No conspicuous single building



INT 1 : H31 (2)

H31 518 LC (TIDINF51) No boundary of an area for which there is tidal information



H31 369 SY (TIDSTR01) No point or area for which a tidal stream table is available



INT 1 : H40 (4)

H40 518 LC No boundary of an

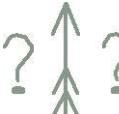


INT 1 : H41 (3)

H41 518 LC (TIDINF51) No boundary of an area for which there is tidal information



H40 94 SY (CURDEF01) No current or tidal stream whose direction is not known



H40 116 SY (EBBSTR01) No ebb stream, rate at spring tides



H40 127 SY (FLDSTR01) No flood stream, rate at spring tides

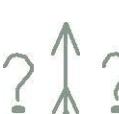


INT 1 : H42 (1)

H42 95 SY (CURENT01) No non-tidal current



H41 94 SY (CURDEF01) No current or tidal stream whose direction is not known



H41 116 SY (EBBSTR01) No ebb stream, rate at spring tides



INT 1 : H43 (1)

H42 95 SY (CURENT01) No non-tidal current

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H43 95 SY (CURENT01) No non-tidal current



INT 1 : H44 (1)

H44 430 SY (WATTUR02) No overfalls, eddies and breakers



INT 1 : H45 (1)

H45 430 SY (WATTUR02) No overfalls, eddies and breakers



INT 1 : H46 (1)

H46 369 SY (TIDSTR01) No point or area for which a tidal stream table is available



INT 1 : I1 (2)

I1 298 SY (SOUNDGC2) No sounding of low accuracy



INT 1 : I13 (2)

I1 362 SY (SOUNDSC2) No sounding of low accuracy



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I13 298 SY (SOUNDGC2) No sounding of low accuracy



I13 362 SY (SOUNDSC2) No sounding of low accuracy



INT 1 : I14 (3)

I14 165 SY (LOWACC01) No point feature or area of low accuracy



I14 298 SY (SOUNDGC2) No sounding of low accuracy



I14 362 SY (SOUNDSC2) No sounding of low accuracy



INT 1 : I15 (1)

I15 359 SY (SOUNDSC1) No symbol for drying height, used for shallow soundings, less than or equal to safety depth



INT 1 : I2 (5)

I2 99 SY (DANGER02) No underwater hazard with

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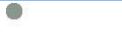
INT 1 : I22 (1)

I22 452 AP (DRGARE01) No dredged area



INT 1 : I23 (1)

I23 452 AP (DRGARE01) No dredged area



INT 1 : I24 (2)

I24 498 LC (NAVARE51) No boundary of a navigation feature such as a fairway, magnetic anomaly, etc.



I24 364 SY (SWPARE51) No swept area



INT 1 : I25 (1)

I25 460 AP (NODATA03) No area of no chart data



INT 1 : I3.1 (4)

I3.1 496 LC (LOWACC41) No danger line of low accuracy

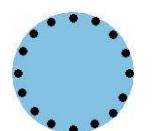


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depth greater than 20 metres



I2 150 SY (ISODGR01) No isolated underwater danger of depth less than the mariner's selected safety contour



I2 298 SY (SOUNDGC2) No sounding of low accuracy



I2 362 SY (SOUNDSC2) No sounding of low accuracy



INT 1 : I20 (1)

I20 452 AP (DRGARE01) No dredged area



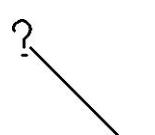
INT 1 : I21 (1)

I21 452 AP (DRGARE01) No dredged area



surrounding a foul area

I3.1 165 SY (LOWACC01) No point feature or area of low accuracy



I3.1 298 SY (SOUNDGC2) No sounding of low accuracy

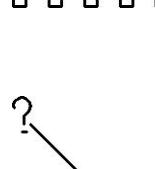


I3.1 362 SY (SOUNDSC2) No sounding of low accuracy



INT 1 : I3.2 (4)

I3.2 496 LC (LOWACC41) No danger line of low accuracy surrounding a foul area



I3.2 165 SY (LOWACC01) No point feature or area of low accuracy



I3.2 298 SY (SOUNDGC2) No sounding of low accuracy



I3.2 362 SY (SOUNDSC2) No sounding of low accuracy



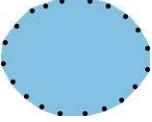
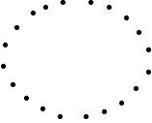
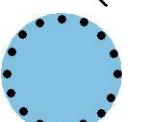
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INT 1 : I31 (1)

I31	165	SY (LOWACC01)	No	point feature or area of low accuracy
				

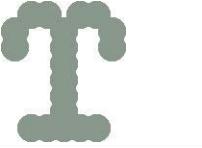
INT 1 : I4 (7)

I4	98	SY (DANGER01)	No	underwater hazard with a defined depth
				
I4	99	SY (DANGER02)	No	underwater hazard with depth greater than 20 metres
				
I4	150	SY (ISODGR01)	No	isolated underwater danger of depth less than the mariner's selected safety contour
				
I4	165	SY (LOWACC01)	No	point feature or area of low accuracy
				
I4	177	SY (OBSTRN01)	No	obstruction, depth not stated
				
I4	298	SY (SOUNDGC2)	No	sounding of low accuracy

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J14	465	AP (SNDWAV01)	No	pattern of symbols for sand waves
				
J14	498	LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.
				
J14	235	SY (SNDWAV02)	No	sand waves
				

INT 1 : J15 (1)

J15	363	SY (SPRING02)	No	Spring
				

INT 1 : J21 (1)

J21	464	AP (RCKLDG01)	No	rock or coral drying ledges
				

INT 1 : J22 (1)

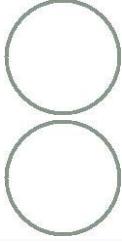
J22	464	AP (RCKLDG01)	No	rock or coral drying ledges
				

INT 1 : J38 (1)

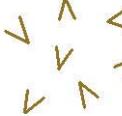
J38	464	AP (RCKLDG01)	No	rock or coral drying ledges

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

INT 1 : IP89 (2)

I4	362	SY (SOUNDSC2)	No	sounding of low accuracy
				

INT 1 : J10 (1)

J10	464	AP (RCKLDG01)	No	rock or coral drying ledges
				

INT 1 : J13.1 (1)

J13.1	434	SY (WEDKLP03)	No	weed, kelp
				

INT 1 : J13.2 (1)

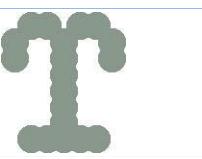
J13.2	434	SY (WEDKLP03)	No	weed, kelp
				

INT 1 : J14 (3)

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J14	465	AP (SNDWAV01)	No	pattern of symbols for sand waves
				
J14	498	LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.
				
J14	235	SY (SNDWAV02)	No	sand waves
				

INT 1 : J15 (1)

J15	363	SY (SPRING02)	No	Spring
				

INT 1 : J21 (1)

J21	464	AP (RCKLDG01)	No	rock or coral drying ledges
				

INT 1 : J22 (1)

J22	464	AP (RCKLDG01)	No	rock or coral drying ledges
				

INT 1 : J38 (1)

J38	464	AP (RCKLDG01)	No	rock or coral drying ledges

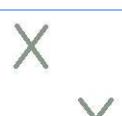
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I4	362	SY (SOUNDSC2)	No	sounding of low accuracy
				

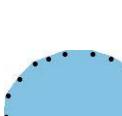
INT 1 : J9 (1)

J9	464	AP (RCKLDG01)	No	rock or coral drying ledges
				

INT 1 : K1 (6)

K1	453	AP (FOULAR01)	No	foul area, not safe for navigation
				

K1	498	LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.
				

K1	98	SY (DANGER01)	No	underwater hazard with a defined depth
				

K1	150	SY (ISODGR01)	No	isolated underwater danger of depth less than the mariner's selected safety contour
				

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K1	177	SY (OBSTRN01)	No	obstruction, depth not stated	
K1	526	SY (OBSTRN03)	No	obstruction which covers and uncovers	

INT 1 : K10 (2)

K10	162	SY (LNDARE01)	No	land as a point at small scale	
K10	195	SY (POSGEN04)	No	position of an elevation or control point	

INT 1 : K11 (5)

K11	99	SY (DANGER02)	No	underwater hazard with depth greater than 20 metres	
K11	525	SY (DANGER03)	No	underwater hazard which covers and uncovers	
K11	150	SY (ISODGR01)	No	isolated underwater	

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K11	359	SY (SOUNDSA1)	No	danger of depth less than the mariner's selected safety contour	
K11	425	SY (UWTRROC04)	No	symbol for drying height, used for shallow soundings, less than or equal to safety depth	

INT 1 : K12 (2)

K12	525	SY (DANGER03)	No	rock which covers and uncovers or is awash at low water	
K12	425	SY (UWTRROC04)	No	rock which covers and uncovers or is awash at low water	

INT 1 : K13 (3)

K13	98	SY (DANGER01)	No	underwater hazard with a defined depth	
K13	150	SY (ISODGR01)	No	isolated underwater danger of depth	

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K13	424	SY (UWTRROC03)	No	less than the mariner's selected safety contour	
K13	424	SY (UWTRROC03)	No	dangerous underwater rock of uncertain depth	

INT 1 : K14 (1)

K14	150	SY (ISODGR01)	No	isolated underwater danger of depth less than the mariner's selected safety contour	
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K14.2	98	SY (DANGER01)	No	underwater hazard with a defined depth	
K14.2	99	SY (DANGER02)	No	underwater hazard with depth greater than 20 metres	
K14.2	150	SY (ISODGR01)	No	isolated underwater danger of depth less than the mariner's selected safety contour	

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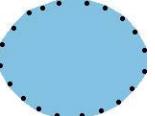
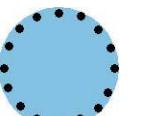
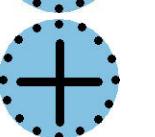
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K14.1	98	SY (DANGER01)	No	underwater hazard with a defined depth	
K14.1	99	SY (DANGER02)	No	underwater hazard with depth greater than 20 metres	
K14.1	150	SY (ISODGR01)	No	isolated underwater danger of depth less than the mariner's selected safety contour	

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K15	98	SY (DANGER01)	No	danger of depth less than the mariner's selected safety contour	
K15	99	SY (DANGER02)	No	symbol for drying height, used for shallow soundings, less than or equal to safety depth	
K15	425	SY (UWTRROC04)	No	rock which covers and uncovers or is awash at low water	

INT 1 : K16 (4)http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

K16	98	SY (DANGER01)	No	underwater hazard with a defined depth	
K16	150	SY (ISODGR01)	No	isolated underwater danger of depth less than the mariner's selected safety contour	
K16	177	SY (OBSTRN01)	No	obstruction, depth not stated	
K16	424	SY (UWTROC03)	No	dangerous underwater rock of uncertain depth	

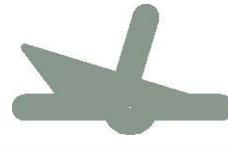
INT 1 : K17 (1)

K17	430	SY (WATTUR02)	No	overfalls, eddies and breakers	
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INT 1 : K2 (2)

K2	296	SY (SOUNDGB1)	No	symbol for swept sounding, used for deep soundings greater than safety depth	
K2	360	SY (SOUNDSB1)	No	symbol for swept sounding, used for shallow soundings, less	

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than or equal to safety depth					
INT 1 : K20 (3)					
K20	498	LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.	
K20	195	SY (POSGEN04)	No	position of an elevation or control point	
K20	441	SY (WRECKS01)	No	wreck showing any portion of hull or superstructure at level of chart datum	

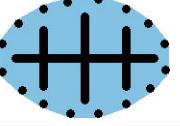
INT 1 : K21 (3)

K21	498	LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.	
K21	359	SY (SOUNDSA1)	No	symbol for drying height, used for shallow soundings, less than or equal to safety depth	
K21	441	SY (WRECKS01)	No	wreck showing any portion of hull or	

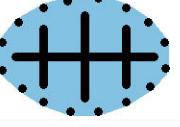
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superstructure at level of chart datum					
					

INT 1 : K22 (2)

K22	498	LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.	
K22	443	SY (WRECKS05)	No	dangerous wreck, depth unknown	

INT 1 : K23 (2)

K23	498	LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.	
K23	443	SY (WRECKS05)	No	dangerous wreck, depth unknown	

INT 1 : K24 (2)

K24	498	LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic	
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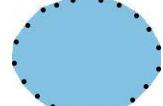
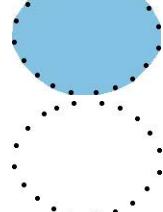
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K24	441	SY (WRECKS01)	No	anomaly, etc.	
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INT 1 : K25 (2)

K25	498	LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.	
K25	441	SY (WRECKS01)	No	wreck showing any portion of hull or superstructure at level of chart datum	

INT 1 : K26 (6)

K26	498	LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.	
K26	98	SY (DANGER01)	No	underwater hazard with a defined depth	
K26	99	SY (DANGER02)	No	underwater hazard with depth greater than 20 metres	

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K26	150	SY (ISODGR01)	No	isolated underwater danger of depth less than the mariner's selected safety contour	
K26	442	SY (WRECKS04)	No	non-dangerous wreck, depth unknown	
K26	443	SY (WRECKS05)	No	dangerous wreck, depth unknown	

INT 1 : K27 (8)

K27	498	LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.	
K27	98	SY (DANGER01)	No	underwater hazard with a defined depth	
K27	99	SY (DANGER02)	No	underwater hazard with depth greater than 20 metres	
K27	150	SY (ISODGR01)	No	isolated underwater danger of depth	

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K27	296	SY (SOUNDGB1)	No	less than the mariner's selected safety contour	
K27	360	SY (SOUNDSB1)	No	symbol for swept sounding, used for deep soundings greater than safety depth	
K27	442	SY (WRECKS04)	No	symbol for swept sounding, used for shallow soundings, less than or equal to safety depth	
K27	443	SY (WRECKS05)	No	non-dangerous wreck, depth unknown	

INT 1 : K28 (3)

K28	498	LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.	
K28	150	SY (ISODGR01)	No	isolated underwater danger of depth	

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				less than the mariner's selected safety contour	
K28	443	SY (WRECKS05)	No	dangerous wreck, depth unknown	

INT 1 : K29 (3)

K29	498	LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.	
K29	150	SY (ISODGR01)	No	isolated underwater danger of depth less than the mariner's selected safety contour	
K29	442	SY (WRECKS04)	No	non-dangerous wreck, depth unknown	

INT 1 : K30 (6)

K30	498	LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.	
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SharePoint List Print

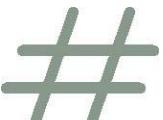
K30	99	SY (DANGER02)	No	underwater hazard with depth greater than 20 metres	
K30	150	SY (ISODGR01)	No	isolated underwater danger of depth less than the mariner's selected safety contour	
K30	359	SY (SOUNDSA1)	No	symbol for drying height, used for shallow soundings, less than or equal to safety depth	
K30	442	SY (WRECKS04)	No	non-dangerous wreck, depth unknown	
K30	443	SY (WRECKS05)	No	dangerous wreck, depth unknown	

INT 1 : K31 (4)

K31	453	AP (FOULAR01)	No	foul area, not safe for navigation	
K31	498	LC	No	boundary of a	

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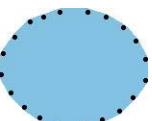
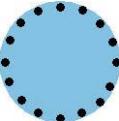
http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

		(NAVARE51)	navigation feature such as a fairway, magnetic anomaly, etc.	
K31	132	SY (FOULGND1)	No foul area of seabed safe for navigation but not for anchoring	
K31	150	SY (ISODGR01)	No isolated underwater danger of depth less than the mariner's selected safety contour	

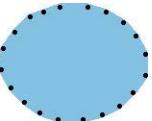
INT 1 : K40 (6)

K40	453	AP (FOULAR01)	No foul area, not safe for navigation	 
K40	498	LC (NAVARE51)	No boundary of a navigation feature such as a fairway, magnetic anomaly, etc.	
K40	498	LC (NAVARE51)	No boundary of a navigation feature such as a fairway, magnetic anomaly, etc.	
K40	98	SY	No underwater	

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		(DANGER01)	hazard with a defined depth	
K40	150	SY (ISODGR01)	No isolated underwater danger of depth less than the mariner's selected safety contour	
K40	177	SY (OBSTRN01)	No obstruction, depth not stated	

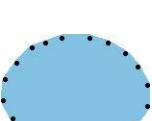
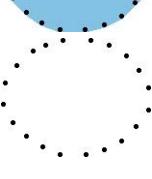
INT 1 : K41 (5)

K41	453	AP (FOULAR01)	No foul area, not safe for navigation	 
K41	498	LC (NAVARE51)	No boundary of a navigation feature such as a fairway, magnetic anomaly, etc.	
K41	98	SY (DANGER01)	No underwater hazard with a defined depth	
K41	99	SY (DANGER02)	No underwater hazard with	

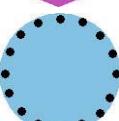
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			depth greater than 20 metres	
K41	150	SY (ISODGR01)	No isolated underwater danger of depth less than the mariner's selected safety contour	

INT 1 : K42 (8)

K42	453	AP (FOULAR01)	No foul area, not safe for navigation	 
K42	498	LC (NAVARE51)	No boundary of a navigation feature such as a fairway, magnetic anomaly, etc.	
K42	98	SY (DANGER01)	No underwater hazard with a defined depth	
K42	99	SY (DANGER02)	No underwater hazard with depth greater than 20 metres	
K42	150	SY (ISODGR01)	No isolated underwater	

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			danger of depth less than the mariner's selected safety contour	
K42	177	SY (OBSTRN01)	No obstruction, depth not stated	
K42	296	SY (SOUNDGB1)	No symbol for swept sounding, used for deep soundings greater than safety depth	
K42	360	SY (SOUNDSB1)	No symbol for swept sounding, used for shallow soundings, less than or equal to safety depth	

INT 1 : K43.1 (3)

K43.1	453	AP (FOULAR01)	No foul area, not safe for navigation	 
K43.1	498	LC (NAVARE51)	No boundary of a navigation feature such as a fairway, magnetic anomaly, etc.	
K43.1	150	SY (ISODGR01)	No isolated underwater	

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danger of depth less than the mariner's selected safety contour



INT 1 : K43.2 (3)

K43.2 498 LC (NAVARE51) No boundary of a navigation feature such as a fairway, magnetic anomaly, etc.



K43.2 150 SY (ISODGR01) No isolated underwater danger of depth less than the mariner's selected safety contour



K43.2 165 SY (LOWACC01) No point feature or area of low accuracy



INT 1 : K44.1 (4)

K44.1 454 AP (FSHFAC03) No pattern of symbols for an area with fishing stakes



K44.1 489 LC (FSHFAC02) No fishing stakes



K44.1 498 LC (NAVARE51) No boundary of a navigation



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feature such as a fairway, magnetic anomaly, etc.



K44.1 136 SY (FSHFAC03) No fish stakes

INT 1 : K44.2 (3)

K44.2 455 AP (FSHFAC04) No pattern of symbols for an area with fish traps, fish weirs, tunny nets



K44.2 498 LC (NAVARE51) No boundary of a navigation feature such as a fairway, magnetic anomaly, etc.

K44.2 135 SY (FSHFAC02) No fish trap, fish weir, tunny net



INT 1 : K45 (3)

K45 455 AP (FSHFAC04) No pattern of symbols for an area with fish traps, fish weirs, tunny nets



K45 498 LC (NAVARE51) No boundary of a navigation feature such as a fairway, magnetic anomaly, etc.

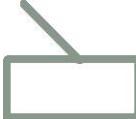
K45 135 SY No fish trap, fish



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(FSHFAC02)

weir, tunny net



INT 1 : K46.1 (4)

K46.1 453 AP (FOULAR01) No foul area, not safe for navigation



K46.1 498 LC (NAVARE51) No boundary of a navigation feature such as a fairway, magnetic anomaly, etc.



K46.1 138 SY (FSHHAV01) No fish haven



K46.1 150 SY (ISODGR01) No isolated underwater danger of depth less than the mariner's selected safety contour



INT 1 : K46.2 (5)

K46.2 453 AP (FOULAR01) No foul area, not safe for navigation



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K46.2 498 LC (NAVARE51) No boundary of a navigation feature such as a fairway, magnetic anomaly, etc.



K46.2 99 SY (DANGER02) No underwater hazard with depth greater than 20 metres



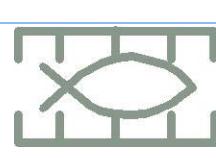
K46.2 138 SY (FSHHAV01) No fish haven



K46.2 150 SY (ISODGR01) No isolated underwater danger of depth less than the mariner's selected safety contour

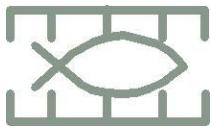
INT 1 : K47 (3)

K47 458 AP (MARCUL02) No pattern of symbols for a marine farm

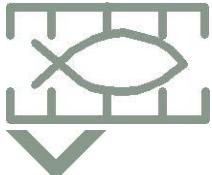


K47 498 LC No boundary of a

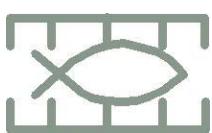
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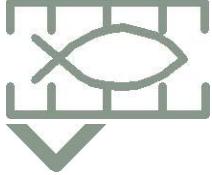
	(NAVARE51)	navigation feature such as a fairway, magnetic anomaly, etc.	
K47	168 SY (MARCUL02)	No fish farm	

INT 1 : K48.1 (3)

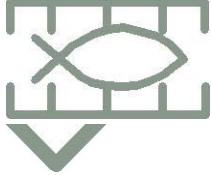
K48.1	458 AP (MARCUL02)	No pattern of symbols for a marine farm	
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K48.1 498 LC
(NAVARE51) No boundary of a navigation feature such as a fairway, magnetic anomaly, etc.

**INT 1 : K48.2 (3)**

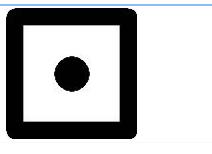
K48.2	458 AP (MARCUL02)	No pattern of symbols for a marine farm	
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K48.2 498 LC
(NAVARE51) No boundary of a navigation feature such as a

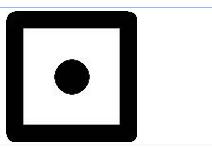


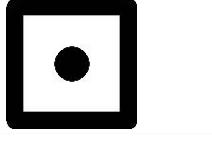
http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

INT 1 : L12 (1)

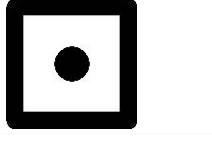
L12	180 SY (OFSPLF01)	No offshore platform	
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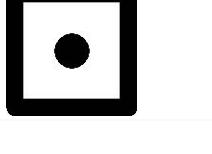
L13 180 SY
(OFSPLF01) No offshore platform

**INT 1 : L14 (1)**

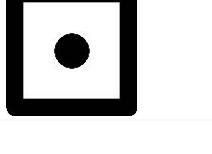
L14	180 SY (OFSPLF01)	No offshore platform	
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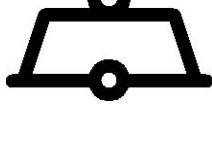
L14 180 SY
(OFSPLF01) No offshore platform

**INT 1 : L15 (1)**

L15	180 SY (OFSPLF01)	No offshore platform	
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L15 180 SY
(OFSPLF01) No offshore platform

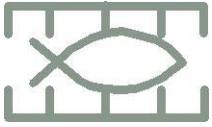
**INT 1 : L16 (2)**

L16	44 SY (BOYINB01)	No installation buoy, paper-chart	
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L16 52 SY
(BOYMOR11) Yes installation buoy and mooring



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K48.2	168 SY (MARCUL02)	No fairway, magnetic anomaly, etc.	
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INT 1 : L1 (1)

L1	477 LC (CTYARE51)	No boundary of area to be navigated with caution	
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INT 1 : L10 (1)

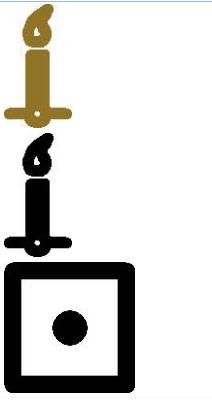
L10	180 SY (OFSPLF01)	No offshore platform	
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INT 1 : L11 (3)

L11	125 SY (FLASTK01)	No flare stack	
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L11 126 SY
(FLASTK11) No conspicuous flare stack

L11 180 SY
(OFSPLF01) No offshore platform



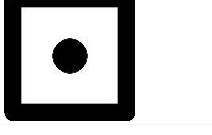
http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

buoy, simplified

**INT 1 : L17 (1)**

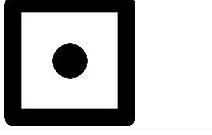
L17	180 SY (OFSPLF01)	No offshore platform	
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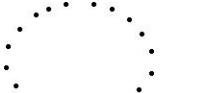
L17 180 SY
(OFSPLF01) No offshore platform

**INT 1 : L2 (1)**

L2	180 SY (OFSPLF01)	No offshore platform	
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L2 180 SY
(OFSPLF01) No offshore platform

**INT 1 : L20 (2)**

L20	99 SY (DANGER02)	No underwater hazard with depth greater than 20 metres	
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L20 150 SY
(ISODGR01) No isolated underwater danger of depth less than the mariner's selected safety contour

**INT 1 : L21 (1)**

L21	498 LC (NAVARE51)	No boundary of a navigation feature such as a fairway,	
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magnetic anomaly, etc.

INT 1 : L21.1 (1)

L21.1 150 SY (ISODGR01) No isolated underwater danger of depth less than the mariner's selected safety contour

**INT 1 : L21.2 (2)**

L21.2 99 SY (DANGER02) No underwater hazard with depth greater than 20 metres



L21.2 150 SY (ISODGR01) No isolated underwater danger of depth less than the mariner's selected safety contour

**INT 1 : L21.3 (1)**

L21.3 150 SY (ISODGR01) No isolated underwater danger of depth less than the mariner's selected safety contour

**INT 1 : L22 (2)**

L22 132 SY (FOULGND1) No foul area of seabed safe for navigation but

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

L30.2 472 LC (CBLARE51) No boundary of a submarine cable area



L30.2 76 SY (CBLARE51) No cable area

**INT 1 : L31.1 (1)**

L31.1 473 LC (CBLSUB06) No submarine cable

**INT 1 : L31.2 (2)**

L31.2 472 LC (CBLARE51) No boundary of a submarine cable area



L31.2 76 SY (CBLARE51) No cable area

**INT 1 : L32 (1)**

L32 473 LC (CBLSUB06) No submarine cable

**INT 1 : L4 (2)**

L4 477 LC (CTYARE51) No boundary of area to be navigated with caution



L4 92 SY (CTYARE51) No cautionary area (e.g. ferry area) navigate with caution

**INT 1 : L40.2 (4)**

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

not for anchoring

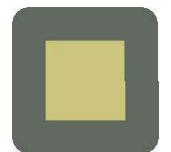


L22 150 SY (ISODGR01) No isolated underwater danger of depth less than the mariner's selected safety contour

**INT 1 : L23 (2)**

L23 498 LC (NAVARE51) No boundary of a navigation feature such as a fairway, magnetic anomaly, etc.

L23 179 SY (OBSTRN11) No obstruction in the water which is always above water level

**INT 1 : L3 (1)**

L3 119 SY (ENTRES61) No area where entry is prohibited or restricted or to be avoided, with other cautions

**INT 1 : L30.1 (1)**

L30.1 473 LC (CBLSUB06) No submarine cable

**INT 1 : L30.2 (2)**

L30.2 499 LC (PIPARE51) No boundary of a submarine pipeline area with potentially dangerous contents



L40.2 500 LC (PIPARE61) No boundary of a submarine pipeline area with generally non--dangerous contents



L40.2 83 SY (CHINFO07) No HO information note



L40.2 148 SY (INFARE51) No area with minor restrictions or information notices

**INT 1 : L41.1 (1)**

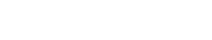
L41.1 502 LC (PIPSOL06) No water pipeline, sewer, etc.

**INT 1 : L41.2 (4)**

L41.2 499 LC (PIPARE51) No boundary of a submarine pipeline area with potentially dangerous contents



L41.2 500 LC (PIPARE61) No boundary of a submarine pipeline area with generally



http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

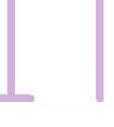
			non--dangerous contents	
L41.2	83	SY (CHINFO07)	No	HO information note
				
INT 1 : L42 (1)				
L42	501	LC (PIPSOLO5)	No	oil, gas pipeline, submerged or on land
				
INT 1 : L43 (2)				
L43	99	SY (DANGER02)	No	underwater hazard with depth greater than 20 metres
				
L43	150	SY (ISODGR01)	No	isolated underwater danger of depth less than the mariner's selected safety contour
				
INT 1 : L44 (1)				
L44	501	LC (PIPSOLO5)	No	oil, gas pipeline, submerged or on land
				
INT 1 : M1 (7)				

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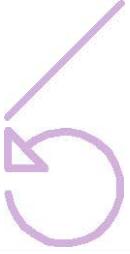
M1	498	LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.	
M1	511	LC (RECDEF02)	No	non-regulated recommended track, direction not defined in data	
M1	512	LC (RECTRC09)	No	non-regulated recommended two-way track, not based on fixed marks	
M1	513	LC (RECTRC10)	No	non-regulated recommended two-way track, based on fixed marks	
M1	514	LC (RECTRC11)	No	non-regulated recommended one-way track, not based on fixed marks	
M1	515	LC (RECTRC12)	No	non-regulated recommended one-way track, based on fixed marks	
M1	214	SY (RECDEF51)	No	Recommended track as an area, direction not defined in data	

INT 1 : M10 (1)

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

				precautionary area or a traffic separation scheme crossing or roundabout	Page 91 of 241
M10	466	AP (TSSJCT02)	No		
INT 1 : M14 (2)					
M14	516	LC (RESARE51)	No	boundary of a restricted area	
M14	151	SY (ITZARE51)	No	area of inshore traffic	
INT 1 : M16 (4)					
M16	466	AP (TSSJCT02)	No	precautionary area or a traffic separation scheme crossing or roundabout	
M16	504	LC (PRCARE51)	No	boundary of a precautionary area	
M16	197	SY (PRCARE12)	No	point symbol for traffic precautionary area	
M16	198	SY (PRCARE51)	No	traffic precautionary area	
INT 1 : M21 (2)					

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

M21	466	AP (TSSJCT02)	No	precautionary area or a traffic separation scheme crossing or roundabout	Page 92 of 241
M21	418	SY (TSSRON51)	No	traffic roundabout	
INT 1 : M23 (2)					
M23	466	AP (TSSJCT02)	No	precautionary area or a traffic separation scheme crossing or roundabout	
M23	416	SY (TSSCRS51)	No	traffic crossing area	
INT 1 : M24 (4)					
M24	466	AP (TSSJCT02)	No	precautionary area or a traffic separation scheme crossing or roundabout	
M24	504	LC (PRCARE51)	No	boundary of a precautionary area	
M24	197	SY (PRCARE12)	No	point symbol for traffic precautionary area	
M24	198	SY	No	traffic	

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(PRCARE51)	precautionary area	
INT 1 : M25.1 (2)		
M25.1 516 LC (RESARE51)	No boundary of a restricted area	
M25.1 151 SY (ITZARE51)	No area of inshore traffic	

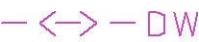
INT 1 : M25.2 (2)		
M25.2 516 LC (RESARE51)	No boundary of a restricted area	
M25.2 151 SY (ITZARE51)	No area of inshore traffic	

INT 1 : M27.1 (5)		
M27.1 483 LC (DWRUTE51)	No boundary of a deep water route	
M27.1 115 SY (DWRTPT51)	No part of deep water route	
M27.1 522 SY (DWRUTE51)	No reciprocal traffic directions in a two-way part of	

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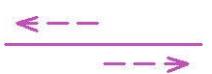
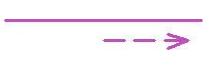
M27.1 415 SY (TSLDEF51)	No a deep-watter route	
M27.1 417 SY (TSSLPT51)	No one way lane of a traffic separation scheme, with the direction not defined in the data	
INT 1 : M27.2 (5)		
M27.2 483 LC (DWRUTE51)	No boundary of a deep water route	
M27.2 115 SY (DWRTPT51)	No part of deep water route	
M27.2 522 SY (DWRUTE51)	No reciprocal traffic directions in a two-way part of a deep-watter route	
M27.2 415 SY (TSLDEF51)	No one way lane of a traffic separation scheme, with the direction not defined in the data	
M27.2 417 SY (TSSLPT51)	No traffic direction in a one way lane of a traffic	

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SharePoint List Print		
	separation scheme	
INT 1 : M27.3 (5)		
M27.3 478 LC (DWLDEF01)	No deep water route centreline, direction not defined in the data	
M27.3 479 LC (DWRTCL05)	No two-way deep water route centreline, not based on fixed marks	
M27.3 480 LC (DWRTCL06)	No two-way deep water route centreline, based on fixed marks	
M27.3 481 LC (DWRTCL07)	No one-way deep water route centreline, not based on fixed marks	
M27.3 482 LC (DWRTCL08)	No one-way deep water route centreline, based on fixed-marks	

INT 1 : M28.1 (5)		
M28.1 506 LC (RCRDEF11)	No regulated recommended route centreline, details not defined	

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SharePoint List Print		
M28.1 507 LC (RCRCTL11)	No regulated two-way recommended route centreline, not based on fixed marks	
M28.1 508 LC (RCRCTL12)	No regulated one-way recommended route centreline, not based on fixed marks	
M28.1 509 LC (RCRCTL13)	No regulated two-way recommended route centreline, based on fixed-marks	
M28.1 510 LC (RCRCTL14)	No Regulated one-way recommended route centreline, based on fixed marks	
INT 1 : M28.2 (3)		
M28.2 419 SY (TWRDEF51)	No two-way route of a traffic separation scheme, with the direction not defined in the data	
M28.2 420 SY (TWRTPT52)	No reciprocal traffic directions in a two-way route of a traffic separation	

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M28.2	421	SY (TWRTPT53)	No	scheme single traffic direction in a two-way route part of a traffic separation scheme	
INT 1 : M29.1 (1)					
M29.1	119	SY (ENTRES61)	No	area where entry is prohibited or restricted or to be avoided, with other cautions	
INT 1 : M29.2 (4)					
M29.2	82	SY (CHINFO06)	No	HO caution note	
M29.2	91	SY (CTNARE51)	No	caution area, a specific caution note applies	
M29.2	118	SY (ENTRESS51)	No	area where entry is prohibited or restricted or to be avoided	
M29.2	119	SY (ENTRES61)	No	area where entry is prohibited or restricted or to be avoided, with other cautions	

INT 1 : M3 (8)

M3	498	LC (NAVARE51)	No	boundary of a navigation	
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M3	511	LC (RECDEF02)	No	feature such as a fairway, magnetic anomaly, etc.	
M3	512	LC (RECTRC09)	No	non-regulated recommended track, direction not defined in data	
M3	513	LC (RECTRC10)	No	non-regulated recommended two-way track, not based on fixed marks	
M3	514	LC (RECTRC11)	No	non-regulated recommended two-way track, based on fixed- marks	
M3	515	LC (RECTRC12)	No	non-regulated recommended one-way track, not based on fixed marks	
M3	214	SY (RECDEF51)	No	Recommended track as an area, direction not defined in data	
M3	216	SY (RECTRC56)	No	Recommended two-way track as an area, based	

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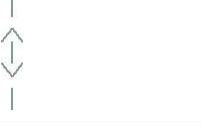
SharePoint List Print					
on fixed marks					
INT 1 : M30 (2)					
M30	193	SY (POSGEN01)	No	position of a point feature	
M30	213	SY (RDOSTA02)	No	radio station	
INT 1 : M31 ? (2)					
M31 ?	492	LC (LOWACC01)	No	safety contour of low accuracy in position	
M31 ?	493	LC (LOWACC11)	No	contour of low accuracy in position	
INT 1 : M32.2 (6)					
M32.2	511	LC (RECDEF02)	No	non-regulated recommended track, direction not defined in data	
M32.2	512	LC (RECTRC09)	No	non-regulated recommended two-way track, not based on fixed marks	

M32.2	511	LC (RECDEF02)	No	non-regulated recommended track, direction not defined in data	
M32.2	512	LC (RECTRC09)	No	non-regulated recommended two-way track, not based on fixed marks	
M32.2	513	LC	No	non-regulated	

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SharePoint List Print					
(RECTRC10)					
INT 1 : M32.2 (6)					
M32.2	514	LC (RECTRC11)	No	non-regulated recommended one-way track, not based on fixed marks	
M32.2	515	LC (RECTRC12)	No	non-regulated recommended one-way track, based on fixed- marks	
M32.2	215	SY (RECTRC55)	No	Recommended two-way track as an area, not based on fixed marks	
INT 1 : M4 (8)					
M4	498	LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.	
M4	511	LC (RECDEF02)	No	non-regulated recommended track, direction not defined in data	
M4	512	LC (RECTRC09)	No	non-regulated recommended two-way track, not based on fixed marks	

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M4	513	LC (RECTRC10)	No	non-regulated recommended two-way track, based on fixed marks	
M4	514	LC (RECTRC11)	No	non-regulated recommended one-way track, not based on fixed marks	
M4	515	LC (RECTRC12)	No	non-regulated recommended one-way track, based on fixed marks	
M4	214	SY (RECDEF51)	No	Recommended track as an area, direction not defined in data	
M4	215	SY (RECTRC55)	No	Recommended two-way track as an area, not based on fixed marks	

INT 1 : M40 (3)

M40	209	SY (RCLDEF01)	No	radio calling-in point whose direction is not known	
M40	211	SY (RDOCAL02)	No	radio calling-in point for traffic in one direction only	
M40	212	SY	No	radio calling-in	

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			(RDOCAL03)	point for traffic in both directions	
			INT 1 : M5 (5)		
M5	511	LC (RECDEF02)	No	non-regulated recommended track, direction not defined in data	
M5	512	LC (RECTRC09)	No	non-regulated recommended two-way track, not based on fixed marks	
M5	513	LC (RECTRC10)	No	non-regulated recommended two-way track, based on fixed marks	
M5	514	LC (RECTRC11)	No	non-regulated recommended one-way track, not based on fixed marks	
M5	515	LC (RECTRC12)	No	non-regulated recommended one-way track, based on fixed marks	

INT 1 : M5.1 (4)

M5.1	498	LC (NAVARE51)	No	boundary of a navigation feature such as a	
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M5.1	214	SY (RECDEF51)	No	fairway, magnetic anomaly, etc.	
M5.1	214	SY (RECDEF51)	No	Recommended track as an area, direction not defined in data	
M5.1	217	SY (RECTRC57)	No	Recommended one-way track as an area, not based on fixed marks	
M5.1	218	SY (RECTRC58)	No	Recommended one-way track as an area, based on fixed marks	

INT 1 : M5.2 (4)

M5.2	498	LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.	
M5.2	214	SY (RECDEF51)	No	Recommended track as an area, direction not defined in data	
M5.2	215	SY (RECTRC55)	No	Recommended two-way track as an area, not based on fixed marks	
M5.2	216	SY (RECTRC56)	No	Recommended two-way track as an area, based on fixed marks	

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			INT 1 : M50 (4)		
M50	487	LC (FERYRT01)	No	ferry route	
M50	498	LC (MARSYS51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.	
M50	133	SY (FRYARE51)	No	ferry area	
M50	134	SY (FRYARE52)	No	cable ferry area	
			INT 1 : M51 (4)		
M51	488	LC (FERYRT02)	No	cable ferry route	
M51	498	LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.	
M51	133	SY (FRYARE51)	No	ferry area	
M51	134	SY (FRYARE52)	No	cable ferry area	
			INT 1 : M6 (9)		
M6	498	LC (NAVARE51)	No	boundary of a navigation feature such as a	

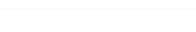
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			fairway, magnetic anomaly, etc.	
M6	511	LC (RECDEF02)	No	non-regulated recommended track, direction not defined in data
				— — < ? > —
M6	512	LC (RECTRC09)	No	non-regulated recommended two-way track, not based on fixed marks
				— — < — > —
M6	513	LC (RECTRC10)	No	non-regulated recommended two-way track, based on fixed marks
				— — < — >
M6	514	LC (RECTRC11)	No	non-regulated recommended one-way track, not based on fixed marks
				— — > —
M6	515	LC (RECTRC12)	No	non-regulated recommended one-way track, based on fixed marks
				— — >
M6	214	SY (RECDEF51)	No	Recommended track as an area, direction not defined in data
				— < ? > —
M6	215	SY (RECTRC55)	No	Recommended two-way track as an area, not based on fixed
				↑ ↓

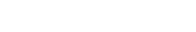
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			marks
M6	216	SY (RECTRC56)	No
Recommended two-way track as an area, based on fixed marks			
			
INT 1 : N1.1 (1)			
N1.1	476	LC (CTNARE51)	No
boundary of area with a specific caution			
			
INT 1 : N1.2 (1)			
N1.2	476	LC (CTNARE51)	No
boundary of area with a specific caution			
			
INT 1 : N10 (1)			
N10	1	SY (ACHARE02)	No
anchorage area as a point at small scale, or anchor points of mooring trot at large scale			
			
INT 1 : N11.1 (1)			
N11.1	3	SY (ACHBRT07)	No
designated anchor berth for a single vessel			
			
INT 1 : N11.2 (1)			
N11.2	3	SY (ACHBRT07)	No
designated anchor berth for a single vessel			
			

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INT 1 : N12.1 (3)			
N12.1	469	LC (ACHARE51)	No
boundary of an anchorage area			
			
INT 1 : N12.2 (3)			
N12.2	469	LC (ACHARE51)	No
boundary of an anchorage area			
			
INT 1 : N12.3 (3)			
N12.3	469	LC (ACHARE51)	No
boundary of an anchorage area			
			
INT 1 : N12.4 (3)			
N12.3	1	SY (ACHARE02)	No
anchorage area as a point at small scale, or anchor points of mooring trot at large scale			
			
INT 1 : N12.5 (3)			
N12.5	1	SY (ACHARE02)	No
anchorage area as a point at small scale, or anchor points of mooring trot at large scale			
			
INT 1 : N12.6 (3)			
N12.6	2	SY (ACHARE51)	No
anchorage area			
			
INT 1 : N12.7 (3)			
N12.7	469	LC (ACHARE51)	No
boundary of an anchorage area			
			

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INT 1 : N12.1 (3)			
N12.4	469	LC (ACHARE51)	No
boundary of an anchorage area			
			
INT 1 : N12.2 (3)			
N12.4	1	SY (ACHARE02)	No
anchorage area as a point at small scale, or anchor points of mooring trot at large scale			
			
INT 1 : N12.3 (3)			
N12.4	2	SY (ACHARE51)	No
anchorage area			
			
INT 1 : N12.4 (3)			
N12.5	469	LC (ACHARE51)	No
boundary of an anchorage area			
			
INT 1 : N12.5 (3)			
N12.5	1	SY (ACHARE02)	No
anchorage area as a point at small scale, or anchor points of mooring trot at large scale			
			
INT 1 : N12.6 (3)			
N12.5	2	SY (ACHARE51)	No
anchorage area			
			
INT 1 : N12.7 (3)			
N12.6	469	LC (ACHARE51)	No
boundary of an anchorage area			
			

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N12.7	1 SY (ACHARE02)	No	anchorage area as a point at small scale, or anchor points of mooring trot at large scale	
N12.7	2 SY (ACHARE51)	No	anchorage area	

INT 1 : N12.8 (3)

N12.8	469 LC (ACHARE51)	No	boundary of an anchorage area	
N12.8	1 SY (ACHARE02)	No	anchorage area as a point at small scale, or anchor points of mooring trot at large scale	
N12.8	2 SY (ACHARE51)	No	anchorage area	

INT 1 : N12.9 (3)

N12.9	469 LC (ACHARE51)	No	boundary of an anchorage area	
N12.9	1 SY (ACHARE02)	No	anchorage area as a point at small scale, or anchor points of mooring trot at large scale	
N12.9	2 SY (ACHARE51)	No	anchorage area	

INT 1 : N13 (3)

N13	477 LC (CTYARE51)	No	boundary of area to be navigated with caution	
N13	82 SY	No	HO caution note	

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N13	92 SY (CTYARE51)	No	cautionary area (e.g. ferry area) navigate with caution
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**INT 1 : N2.1 (6)**

N2.1	477 LC (CTYARE51)	No	boundary of area to be navigated with caution	
N2.1	484 LC (ENTRESS51)	No	boundary of an area where entry is prohibited or restricted	
N2.1	118 SY (ENTRESS51)	No	area where entry is prohibited or restricted or to be avoided	
N2.1	140 SY (FSHRES61)	No	area where fishing or trawling is prohibited or restricted, with other cautions	
N2.1	141 SY (FSHRES71)	No	area where fishing or trawling is prohibited or restricted, with other information	
N2.1	226 SY (RSRDEF51)	No	area in which undefined	

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restrictions exist

**INT 1 : N2.2 (4)**

N2.2	477 LC (CTYARE51)	No	boundary of area to be navigated with caution	
N2.2	484 LC (ENTRESS51)	No	boundary of an area where entry is prohibited or restricted	
N2.2	118 SY (ENTRESS51)	No	area where entry is prohibited or restricted or to be avoided	
N2.2	120 SY (ENTRESS71)	No	area where entry is prohibited or restricted or to be avoided, with other information	

INT 1 : N20 (4)

N20	470 LC (ACHRES51)	No	boundary of an area where anchoring is prohibited or restricted	
N20	4 SY (ACHRES51)	No	area where anchoring is prohibited or restricted	
N20	5 SY (ACHRES61)	No	area where anchoring is prohibited or	

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restricted, with other cautions

**INT 1 : N21 (2)**

N21	490 LC (FSHRES51)	No	boundary of an area where trawling or fishing is prohibited or restricted	
N21	139 SY (FSHRES51)	No	area where fishing or trawling is prohibited or restricted	

INT 1 : N22 (3)

N22	585 SY (ESSARE01)	No	environmentally sensitive sea area	
N22	148 SY (INFARE51)	No	area with minor restrictions or information notices	
N22	519 SY (PSSARE01)	No	particularly sensitive sea area	

INT 1 : N23 (3)http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

N23	477	LC (CTYARE51)	No	boundary of area to be navigated with caution	
N23	83	SY (CHINFO07)	No	HO information note	
N23	148	SY (INFARE51)	No	area with minor restrictions or information notices	

INT 1 : N24 (3)

N24	477	LC (CTYARE51)	No	boundary of area to be navigated with caution	
N24	83	SY (CHINFO07)	No	HO information note	
N24	148	SY (INFARE51)	No	area with minor restrictions or information notices	

INT 1 : N25 (1)

N25	140	SY (FSHRES61)	No	area where fishing or trawling is prohibited or restricted, with other cautions	
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INT 1 : N26 (1)

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N26	148	SY (INFARE51)	No	area with minor restrictions or information notices	
INT 1 : N28.2 (1)					
N28.2	477	LC (CTYARE51)	No	boundary of area to be navigated with caution	
INT 1 : N30 (3)					
N30	477	LC (CTYARE51)	No	boundary of area to be navigated with caution	
N30	82	SY (CHINFO06)	No	HO caution note	
N30	92	SY (CTYARE51)	No	cautionary area (e.g. ferry area) navigate with caution	
INT 1 : N31 (3)					
N31	82	SY (CHINFO06)	No	HO caution note	
N31	92	SY (CTYARE51)	No	cautionary area (e.g. ferry area) navigate with caution	
N31	119	SY	No	area where entry	

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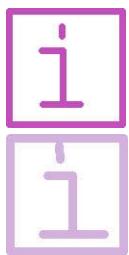
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(ENTRES61) is prohibited or restricted or to be avoided, with other cautions					
					
INT 1 : N32 (3)					
N32	477	LC (CTYARE51)	No	boundary of area to be navigated with caution	
N32	82	SY (CHINFO06)	No	HO caution note	
N32	92	SY (CTYARE51)	No	cautionary area (e.g. ferry area) navigate with caution	
INT 1 : N33 (3)					
N33	477	LC (CTYARE51)	No	boundary of area to be navigated with caution	
N33	82	SY (CHINFO06)	No	HO caution note	
N33	92	SY (CTYARE51)	No	cautionary area (e.g. ferry area) navigate with caution	
INT 1 : N34 (3)					
N34	477	LC	No	boundary of area	
SharePoint List Print					
Page 116 of 241					
(CTYARE51) to be navigated with caution					
N34	119	SY (ENTRES61)	No	area where entry is prohibited or restricted or to be avoided, with other cautions	
N34	140	SY (FSHRES61)	No	area where fishing or trawling is prohibited or restricted, with other cautions	
INT 1 : N49 (1)					
N49	498	LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.	
INT 1 : N60.1 (1)					
N60.1	457	AP (ICEARE04)	No	continuous pattern for an ice area (glacier, etc.)	
INT 1 : N60.2 (1)					
N60.2	457	AP (ICEARE04)	No	continuous pattern for an ice area (glacier, etc.)	
INT 1 : N61 (1)					
N61	524	SY (FLTHAZ02)	No	floating hazard to navigation	

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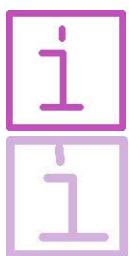
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INT 1 : N62.1 (3)

N62.1	477	LC (CTYARE51)	No	boundary of area to be navigated with caution
N62.1	83	SY (CHINFO07)	No	HO information note
N62.1	148	SY (INFARE51)	No	area with minor restrictions or information notices


INT 1 : N62.2 (3)

N62.2	477	LC (CTYARE51)	No	boundary of area to be navigated with caution
N62.2	83	SY (CHINFO07)	No	HO information note
N62.2	148	SY (INFARE51)	No	area with minor restrictions or information notices


INT 1 : N63 (1)

N63	477	LC (CTYARE51)	No	boundary of area to be navigated
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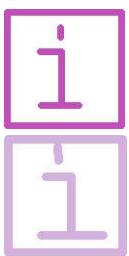


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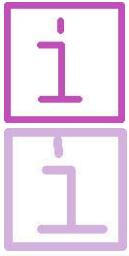
with caution

INT 1 : N64 (3)

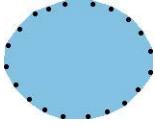
N64	477	LC (CTYARE51)	No	boundary of area to be navigated with caution
N64	83	SY (CHINFO07)	No	HO information note
N64	148	SY (INFARE51)	No	area with minor restrictions or information notices


INT 1 : N65 (3)

N65	477	LC (CTYARE51)	No	boundary of area to be navigated with caution
N65	83	SY (CHINFO07)	No	HO information note
N65	148	SY (INFARE51)	No	area with minor restrictions or information notices


INT 1 : O27 (3)

O27	99	SY (DANGER02)	No	underwater hazard with a defined depth
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INT 1 : O89 (3)

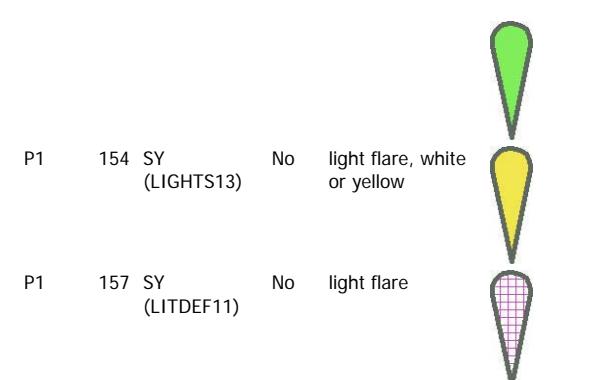
O89	494	LC (LOWACC21)	No	coastline or shoreline construction of low accuracy in position
O89	494	LC (LOWACC21)	No	coastline or shoreline construction of low accuracy in position
O89	496	LC (LOWACC41)	No	danger line of low accuracy surrounding a foul area


INT 1 : P1 (4)

P1	152	SY (LIGHTS11)	No	light flare, red
P1	153	SY (LIGHTS12)	No	light flare, green



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INT 1 : P10.1 (4)

P10.1	152	SY (LIGHTS11)	No	light flare, red
P10.1	153	SY (LIGHTS12)	No	light flare, green
P10.1	154	SY (LIGHTS13)	No	light flare, white or yellow
P10.1	157	SY (LITDEF11)	No	light flare



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INT 1 : P10.10 (4)

P10.10 152 SY (LIGHTS11) No light flare, red



P10.10 153 SY (LIGHTS12) No light flare, green



P10.10 154 SY (LIGHTS13) No light flare, white or yellow



P10.10 157 SY (LITDEF11) No light flare

**INT 1 : P10.11 (4)**

P10.11 152 SY (LIGHTS11) No light flare, red



P10.11 153 SY (LIGHTS12) No light flare, green



P10.11 154 SY (LIGHTS13) No light flare, white or yellow



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P10.11 157 SY (LITDEF11) No light flare

**INT 1 : P10.2 (4)**

P10.2 152 SY (LIGHTS11) No light flare, red



P10.2 153 SY (LIGHTS12) No light flare, green



P10.2 154 SY (LIGHTS13) No light flare, white or yellow



P10.2 157 SY (LITDEF11) No light flare

**INT 1 : P10.3 (4)**

P10.3 152 SY (LIGHTS11) No light flare, red

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P10.3 153 SY (LIGHTS12) No light flare, green



P10.3 154 SY (LIGHTS13) No light flare, white or yellow



P10.3 157 SY (LITDEF11) No light flare

**INT 1 : P10.4 (4)**

P10.4 152 SY (LIGHTS11) No light flare, red



P10.4 153 SY (LIGHTS12) No light flare, green



P10.4 154 SY (LIGHTS13) No light flare, white or yellow



P10.4 157 SY No light flare

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(LITDEF11)

**INT 1 : P10.5 (4)**

P10.5 152 SY (LIGHTS11) No light flare, red



P10.5 153 SY (LIGHTS12) No light flare, green



P10.5 154 SY (LIGHTS13) No light flare, white or yellow



P10.5 157 SY (LITDEF11) No light flare

**INT 1 : P10.6 (4)**

P10.6 152 SY (LIGHTS11) No light flare, red



P10.6 153 SY (LIGHTS12) No light flare, green

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http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

P10.6 154 SY (LIGHTS13) No light flare, white or yellow



P10.6 157 SY (LITDEF11) No light flare



INT 1 : P10.7 (4)

P10.7 152 SY (LIGHTS11) No light flare, red



P10.7 153 SY (LIGHTS12) No light flare, green



P10.7 154 SY (LIGHTS13) No light flare, white or yellow



P10.7 157 SY (LITDEF11) No light flare



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INT 1 : P10.8 (4)

P10.8 152 SY (LIGHTS11) No light flare, red



P10.8 153 SY (LIGHTS12) No light flare, green



P10.8 154 SY (LIGHTS13) No light flare, white or yellow



P10.8 157 SY (LITDEF11) No light flare



INT 1 : P10.9 (4)

P10.9 152 SY (LIGHTS11) No light flare, red



P10.9 153 SY (LIGHTS12) No light flare, green



P10.9 154 SY (LIGHTS13) No light flare, white or yellow



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P10.9 157 SY (LITDEF11) No light flare



INT 1 : P11 (4)

P11 152 SY (LIGHTS11) No light flare, red



P11 153 SY (LIGHTS12) No light flare, green



P11 154 SY (LIGHTS13) No light flare, white or yellow



P11 157 SY (LITDEF11) No light flare



INT 1 : P11.1 (1)

P11.1 154 SY (LIGHTS13) No light flare, white or yellow



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P11.2 152 SY (LIGHTS11) No light flare, red



INT 1 : P11.3 (1)

P11.3 153 SY (LIGHTS12) No light flare, green



INT 1 : P11.6 (1)

P11.6 154 SY (LIGHTS13) No light flare, white or yellow



INT 1 : P11.7 (1)

P11.7 154 SY (LIGHTS13) No light flare, white or yellow



INT 1 : P11.8 (1)

P11.8 154 SY (LIGHTS13) No light flare, white or yellow



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INT 1 : P12 (4)

P12 152 SY (LIGHTS11) No light flare, red



P12 153 SY (LIGHTS12) No light flare, green



P12 154 SY (LIGHTS13) No light flare, white or yellow



P12 157 SY (LITDEF11) No light flare

**INT 1 : P13 (4)**

P13 152 SY (LIGHTS11) No light flare, red



P13 153 SY (LIGHTS12) No light flare, green

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P13 154 SY (LIGHTS13) No light flare, white or yellow



P13 157 SY (LITDEF11) No light flare

**INT 1 : P14 (4)**

P14 152 SY (LIGHTS11) No light flare, red



P14 153 SY (LIGHTS12) No light flare, green



P14 154 SY (LIGHTS13) No light flare, white or yellow



P14 157 SY (LITDEF11) No light flare



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INT 1 : P15 (2)

P15 154 SY (LIGHTS13) No light flare, white or yellow



P15 157 SY (LITDEF11) No light flare

**INT 1 : P16 (3)**

P16 152 SY (LIGHTS11) No light flare, red



P16 153 SY (LIGHTS12) No light flare, green



P16 154 SY (LIGHTS13) No light flare, white or yellow

**INT 1 : P2 (4)**

P2 152 SY (LIGHTS11) No light flare, red



P2 153 SY (LIGHTS12) No light flare, green



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P2 154 SY (LIGHTS13) No light flare, white or yellow



P2 157 SY (LITDEF11) No light flare

**INT 1 : P20.1 (10)**

P20.1 511 LC (RECDEF02) No non-regulated recommended track, direction not defined in data



P20.1 512 LC (RECTRC09) No non-regulated recommended two-way track, not based on fixed marks



P20.1 513 LC (RECTRC10) No non-regulated recommended two-way track, based on fixed marks



P20.1 514 LC (RECTRC11) No non-regulated recommended one-way track, not based on fixed marks



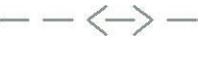
http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

P20.1	515	LC (RECTRC12)	No	non-regulated recommended one-way track, based on fixed marks	
P20.1	152	SY (LIGHTS11)	No	light flare, red	
P20.1	153	SY (LIGHTS12)	No	light flare, green	
P20.1	154	SY (LIGHTS13)	No	light flare, white or yellow	
P20.1	157	SY (LITDEF11)	No	light flare	
P20.1	216	SY (RECTRC56)	No	Recommended two-way track as an area, based on fixed marks	

INT 1 : P20.2 (9)

P20.2	511	LC (RECDEF02)	No	non-regulated recommended track, direction not defined in data	
P20.2	512	LC	No	non-regulated	

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			(RECTRC09)	recommended two-way track, not based on fixed marks	
P20.2	513	LC (RECTRC10)	No	non-regulated recommended two-way track, based on fixed marks	
P20.2	514	LC (RECTRC11)	No	non-regulated recommended one-way track, not based on fixed marks	
P20.2	515	LC (RECTRC12)	No	non-regulated recommended one-way track, based on fixed marks	
P20.2	153	SY (LIGHTS12)	No	light flare, green	
P20.2	154	SY (LIGHTS13)	No	light flare, white or yellow	
P20.2	157	SY (LITDEF11)	No	light flare	
P20.2	216	SY (RECTRC56)	No	Recommended two-way track as	

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

			an area, based on fixed marks	
P20.3	153	SY (LIGHTS12)	No	light flare, green
P20.3	154	SY (LIGHTS13)	No	light flare, white or yellow
P20.3	157	SY (LITDEF11)	No	light flare

INT 1 : P20.3 (3)

P20.3	153	SY (LIGHTS12)	No	light flare, green	
P20.3	154	SY (LIGHTS13)	No	light flare, white or yellow	
P20.3	157	SY (LITDEF11)	No	light flare	

INT 1 : P21 (2)

P21	153	SY (LIGHTS12)	No	light flare, green	
P21	154	SY (LIGHTS13)	No	light flare, white or yellow	

INT 1 : P22 (3)

P22	153	SY (LIGHTS12)	No	light flare, green	
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P22	154	SY (LIGHTS13)	No	light flare, white or yellow	
P22	157	SY (LITDEF11)	No	light flare	
P23	153	SY (LIGHTS12)	No	light flare, green	

INT 1 : P23 (3)

P23	154	SY (LIGHTS13)	No	light flare, white or yellow	
P23	157	SY (LITDEF11)	No	light flare	

INT 1 : P3 (4)

P3	152	SY (LIGHTS11)	No	light flare, red	
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P3 153 SY (LIGHTS12) No light flare, green

P3 154 SY (LIGHTS13) No light flare, white or yellow

P3 157 SY (LITDEF11) No light flare

INT 1 : P30.1 (4)

P30.1 152 SY (LIGHTS11) No light flare, red



P30.1 153 SY (LIGHTS12) No light flare, green

P30.1 154 SY (LIGHTS13) No light flare, white or yellow

P30.1 157 SY No light flare

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INT 1 : P30.2 (11)

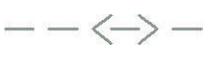
P30.2 511 LC (RECDEF02) No non-regulated recommended track, direction not defined in data



P30.2 511 LC (RECDEF02) No non-regulated recommended track, direction not defined in data



P30.2 512 LC (RECTRC09) No non-regulated recommended two-way track, not based on fixed marks



P30.2 513 LC (RECTRC10) No non-regulated recommended two-way track, based on fixed marks



P30.2 514 LC (RECTRC11) No non-regulated recommended one-way track, not based on fixed marks



P30.2 515 LC (RECTRC12) No non-regulated recommended one-way track, based on fixed marks



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P30.2 152 SY (LIGHTS11) No light flare, red



P30.2 153 SY (LIGHTS12) No light flare, green



P30.2 154 SY (LIGHTS13) No light flare, white or yellow



P30.2 157 SY (LITDEF11) No light flare



P30.2 216 SY (RECTRC56) No Recommended two-way track as an area, based on fixed marks



INT 1 : P30.3 (4)

P30.3 152 SY (LIGHTS11) No light flare, red



P30.3 153 SY (LIGHTS12) No light flare, green



P30.3 154 SY No light flare, white

(LIGHTS13) or yellow



P30.3 157 SY (LITDEF11) No light flare



INT 1 : P30.4 (3)

P30.4 153 SY (LIGHTS12) No light flare, green



P30.4 154 SY (LIGHTS13) No light flare, white or yellow



P30.4 157 SY (LITDEF11) No light flare



INT 1 : P31 (4)

P31 152 SY (LIGHTS11) No light flare, red



P31 153 SY (LIGHTS12) No light flare, green

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P31 154 SY (LIGHTS13) No light flare, white or yellow

P31 157 SY (LITDEF11) No light flare

INT 1 : P4 (4)

P4 152 SY (LIGHTS11) No light flare, red

P4 153 SY (LIGHTS12) No light flare, green

P4 154 SY (LIGHTS13) No light flare, white or yellow

P4 157 SY (LITDEF11) No light flare

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INT 1 : P40 (1)

P40 152 SY (LIGHTS11) No light flare, red



INT 1 : P40.1 (3)

P40.1 153 SY (LIGHTS12) No light flare, green



P40.1 154 SY (LIGHTS13) No light flare, white or yellow



P40.1 157 SY (LITDEF11) No light flare



INT 1 : P40.2 (3)

P40.2 153 SY (LIGHTS12) No light flare, green



P40.2 154 SY (LIGHTS13) No light flare, white or yellow



P40.2 157 SY (LITDEF11) No light flare



INT 1 : P41 (1)

P41 152 SY (LIGHTS11) No light flare, red



INT 1 : P41.1 (3)

P41.1 153 SY (LIGHTS12) No light flare, green



P41.1 154 SY (LIGHTS13) No light flare, white or yellow



P41.1 157 SY (LITDEF11) No light flare



INT 1 : P41.2 (3)

P41.2 153 SY (LIGHTS12) No light flare, green



P41.2 154 SY (LIGHTS13) No light flare, white or yellow



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P41.2 157 SY (LITDEF11) No light flare



INT 1 : P42 (3)

P42 153 SY (LIGHTS12) No light flare, green



P42 154 SY (LIGHTS13) No light flare, white or yellow



P42 157 SY (LITDEF11) No light flare



INT 1 : P43 (4)

P43 152 SY (LIGHTS11) No light flare, red



P43 153 SY (LIGHTS12) No light flare, green



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http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

P43 154 SY (LIGHTS13) No light flare, white or yellow



P43 157 SY (LITDEF11) No light flare



■ INT 1 : P44 (2)

P44 154 SY (LIGHTS13) No light flare, white or yellow



P44 157 SY (LITDEF11) No light flare



■ INT 1 : P45 (4)

P45 152 SY (LIGHTS11) No light flare, red



P45 153 SY (LIGHTS12) No light flare, green

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P45 154 SY (LIGHTS13) No light flare, white or yellow



P45 157 SY (LITDEF11) No light flare



■ INT 1 : P46 (4)

P46 152 SY (LIGHTS11) No light flare, red



P46 153 SY (LIGHTS12) No light flare, green



P46 154 SY (LIGHTS13) No light flare, white or yellow



P46 157 SY (LITDEF11) No light flare



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■ INT 1 : P5 (4)

P5 152 SY (LIGHTS11) No light flare, red



P5 153 SY (LIGHTS12) No light flare, green



P5 154 SY (LIGHTS13) No light flare, white or yellow



P5 157 SY (LITDEF11) No light flare



■ INT 1 : P50 (4)

P50 152 SY (LIGHTS11) No light flare, red



P50 153 SY (LIGHTS12) No light flare, green



P50 154 SY (LIGHTS13) No light flare, white or yellow



P50 157 SY (LITDEF11) No light flare



■ INT 1 : P51 (4)

P51 152 SY (LIGHTS11) No light flare, red



P51 153 SY (LIGHTS12) No light flare, green



P51 154 SY (LIGHTS13) No light flare, white or yellow



P51 157 SY (LITDEF11) No light flare



■ INT 1 : P52 (4)

P52 152 SY (LIGHTS11) No light flare, red

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P52	153	SY (LIGHTS12)	No	light flare, green
P52	154	SY (LIGHTS13)	No	light flare, white or yellow
P52	157	SY (LITDEF11)	No	light flare

INT 1 : P53 (4)

P53	152	SY (LIGHTS11)	No	light flare, red
P53	153	SY (LIGHTS12)	No	light flare, green
P53	154	SY (LIGHTS13)	No	light flare, white or yellow

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(LITDEF11)

INT 1 : P54 (4)

P54	152	SY (LIGHTS11)	No	light flare, red
P54	153	SY (LIGHTS12)	No	light flare, green
P54	154	SY (LIGHTS13)	No	light flare, white or yellow

**INT 1 : P55 (4)**

P55	152	SY (LIGHTS11)	No	light flare, red
P55	153	SY (LIGHTS12)	No	light flare, green



P55	154	SY (LIGHTS13)	No	light flare, white or yellow
P55	157	SY (LITDEF11)	No	light flare

INT 1 : P6 (6)

P6	152	SY (LIGHTS11)	No	light flare, red
P6	153	SY (LIGHTS12)	No	light flare, green
P6	154	SY (LIGHTS13)	No	light flare, white or yellow
P6	157	SY (LITDEF11)	No	light flare
P6	160	SY	No	light vessel,

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(LITVES01) paper-chart



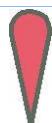
P6	161	SY (LITVES02)	Yes	light vessel, simplified
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INT 1 : P60 (4)

P60	152	SY (LIGHTS11)	No	light flare, red
P60	153	SY (LIGHTS12)	No	light flare, green
P60	154	SY (LIGHTS13)	No	light flare, white or yellow
P60	157	SY (LITDEF11)	No	light flare

**INT 1 : P61.1 (6)**

P61.1	152	SY (LIGHTS11)	No	light flare, red
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P61.1	153	SY (LIGHTS12)	No	light flare, green	
P61.1	154	SY (LIGHTS13)	No	light flare, white or yellow	
P61.1	157	SY (LITDEF11)	No	light flare	
P61.1	173	SY (MSTCON04)	No	Mast	
P61.1	174	SY (MSTCON14)	No	conspicuous mast	

INT 1 : P61.2 (6)

P61.2	152	SY (LIGHTS11)	No	light flare, red	
P61.2	153	SY (LIGHTS12)	No	light flare, green	

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P61.2	154	SY (LIGHTS13)	No	light flare, white or yellow	
P61.2	157	SY (LITDEF11)	No	light flare	
P61.2	173	SY (MSTCON04)	No	Mast	
P61.2	174	SY (MSTCON14)	No	conspicuous mast	

INT 1 : P62 (4)

P62	152	SY (LIGHTS11)	No	light flare, red	
P62	153	SY (LIGHTS12)	No	light flare, green	
P62	154	SY (LIGHTS13)	No	light flare, white or yellow	

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

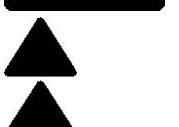
P62	157	SY (LITDEF11)	No	light flare	
P63	153	SY (LIGHTS12)	No	light flare, green	

P63	156	SY (LIGHTS82)	No	Floodlight	
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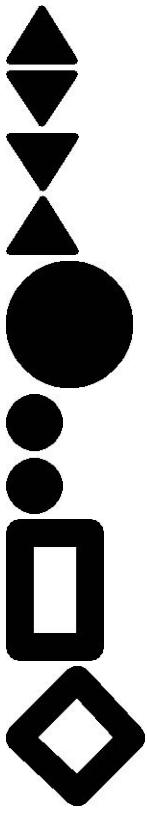
P64	153	SY (LIGHTS12)	No	light flare, green	
P64	155	SY (LIGHTS81)	No	strip light	

P65	152	SY (LIGHTS11)	No	light flare, red	
P65	153	SY (LIGHTS12)	No	light flare, green	

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

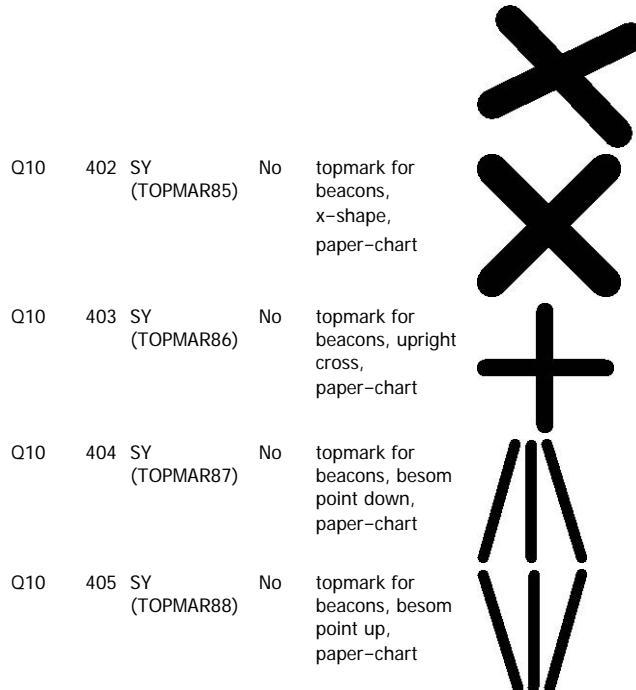
P65	154	SY (LIGHTS13)	No	light flare, white or yellow	
P65	157	SY (LITDEF11)	No	light flare	
Q10	370	SY (TMARDEF1)	No	topmark for beacons, flag or other shape, paper-chart	
Q10	390	SY (TOPMAR22)	No	topmark for beacons, cone point up, paper-chart	
Q10	392	SY (TOPMAR25)	No	topmark for beacons, 2 cones point upward, paper-chart	
Q10	93	SY (TOPMAR26)	No	topmark for beacons, 2 cones point downward, paper-chart	
Q10	394	SY (TOPMAR27)	No	topmark for beacons, 2 cones base to base, paper-chart	

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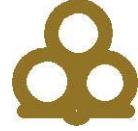
Q10	395	SY (TOPMAR28)	No	topmark for beacons, 2 cones point to point, paper-chart
Q10	396	SY (TOPMAR30)	No	topmark for beacons, sphere, paper-chart
Q10	397	SY (TOPMAR32)	No	topmark for beacons, 2 spheres, paper-chart
Q10	398	SY (TOPMAR33)	No	topmark for beacons, cylinder, paper-chart
Q10	400	SY (TOPMAR36)	No	topmark for beacons, cube point up, paper-chart
Q10	401	SY (TOPMAR65)	No	topmark for buoys, x-shape, paper-chart

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010



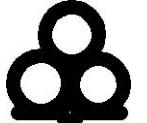
INT 1 : Q100 (2)

Q100	74	SY (CAIRNS01)	No	Cairn
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Q100	75	SY (CAIRNS11)	No	conspicuous cairn
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http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010



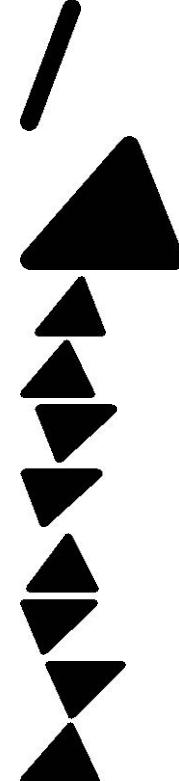
INT 1 : Q101 (6)

Q101	100	SY (DAYSQR01)	Yes	square or rectangular daymark, simplified
Q101	101	SY (DAYSQR21)	No	square or rectangular daymark, paper chart
Q101	102	SY (DAYTRI01)	Yes	triangular daymark, point up, simplified
Q101	103	SY (DAYTRI05)	Yes	triangular daymark, point down, simplified
Q101	104	SY (DAYTRI21)	No	triangular daymark, point up, paper chart
Q101	105	SY (DAYTRI25)	No	triangular daymark, point down, paper chart

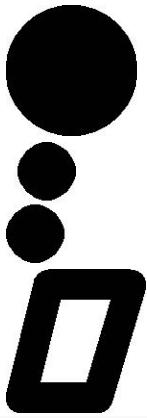
http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

INT 1 : Q11 (9)

Q11	371	SY (TMARDEF2)	No	topmark for buoys, flag or other shape, paper-chart
Q11	377	SY (TOPMAR02)	No	topmark for buoys, cone point up, paper-chart
Q11	379	SY (TOPMAR05)	No	topmark for buoys, 2 cones point upward, paper-chart
Q11	380	SY (TOPMAR06)	No	topmark for buoys, 2 cones point downward, paper-chart
Q11	381	SY (TOPMAR07)	No	topmark for buoys, 2 cones base to base, paper-chart
Q11	382	SY (TOPMAR08)	No	topmark for buoys, 2 cones point to point, paper-chart
Q11	383	SY (TOPMAR10)	No	topmark for buoys, sphere, paper-chart



http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010



Q11 384 SY (TOPMAR12) No topmark for buoys, 2 spheres, paper-chart

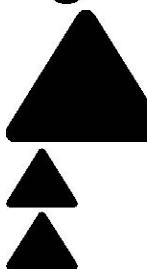
Q11 385 SY (TOPMAR13) No topmark for buoys, cylinder, paper-chart

INT 1 : Q110 (12)

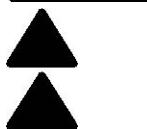
Q110 34 SY (BCNTOW01) No beacon tower, paper-chart



Q110 390 SY (TOPMAR22) No topmark for beacons, cone point up, paper-chart



Q110 392 SY (TOPMAR25) No topmark for beacons, 2 cones point upward, paper-chart



Q110 93 SY (TOPMAR26) No topmark for beacons, 2 cones point downward,



http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

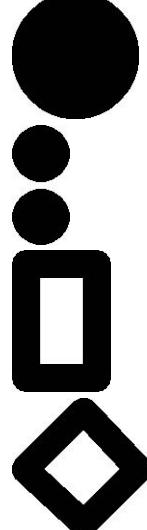
paper-chart



Q110 394 SY (TOPMAR27) No topmark for beacons, 2 cones base to base, paper-chart

Q110 395 SY (TOPMAR28) No topmark for beacons, 2 cones point to point, paper-chart

Q110 396 SY (TOPMAR30) No topmark for beacons, sphere, paper-chart



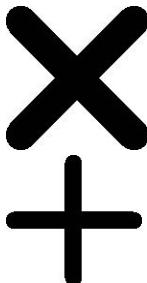
Q110 397 SY (TOPMAR32) No topmark for beacons, 2 spheres, paper-chart

Q110 398 SY (TOPMAR33) No topmark for beacons, cylinder, paper-chart

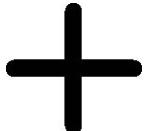
Q110 400 SY (TOPMAR36) No topmark for beacons, cube point up, paper-chart

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

Q110 402 SY (TOPMAR85) No topmark for beacons, x-shape, paper-chart



Q110 403 SY (TOPMAR86) No topmark for beacons, upright cross, paper-chart



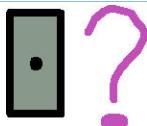
INT 1 : Q111 (1)

Q111 28 SY (BCNLTC01) No lattice beacon, paper-chart

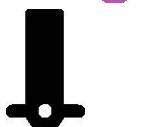


INT 1 : Q120 (3)

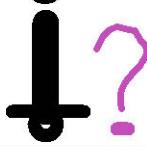
Q120 20 SY (BCNDEF13) No default symbol for a beacon, simplified



Q120 21 SY (BCNGEN01) No beacon in general, paper-chart



Q120 22 SY (BCNGEN03) No default symbol for beacon, paper-chart



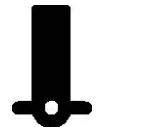
INT 1 : Q121 (3)

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

Q121 20 SY (BCNDEF13) No default symbol for a beacon, simplified



Q121 21 SY (BCNGEN01) No beacon in general, paper-chart



Q121 22 SY (BCNGEN03) No default symbol for beacon, paper-chart

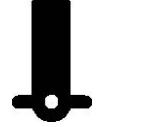


INT 1 : Q122 (3)

Q122 20 SY (BCNDEF13) No default symbol for a beacon, simplified



Q122 21 SY (BCNGEN01) No beacon in general, paper-chart



Q122 22 SY (BCNGEN03) No default symbol for beacon, paper-chart



INT 1 : Q123 (4)

Q123 20 SY (BCNDEF13) No default symbol for a beacon,

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

simplified				
Q123	21	SY (BCNGEN01)	No	beacon in general, paper-chart
Q123	22	SY (BCNGEN03)	No	default symbol for beacon, paper-chart
Q123	400	SY (TOPMAR36)	No	topmark for beacons, cube point up, paper-chart

INT 1 : Q124 (3)

Q124	20	SY (BCNDEF13)	No	default symbol for a beacon, simplified
Q124	21	SY (BCNGEN01)	No	beacon in general, paper-chart
Q124	22	SY (BCNGEN03)	No	default symbol for beacon, paper-chart

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

INT 1 : Q130.1 (30)				
Q130.1	497	LC (MARSYS51)	No	boundary between IALA--A and IALA--B systems of lateral buoys and beacons
Q130.1	498	LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.
Q130.1	20	SY (BCNDEF13)	No	default symbol for a beacon, simplified
Q130.1	21	SY (BCNGEN01)	No	beacon in general, paper-chart
Q130.1	22	SY (BCNGEN03)	No	default symbol for beacon, paper-chart
Q130.1	24	SY (BCNLAT15)	Yes	major lateral beacon, red, simplified
Q130.1	25	SY (BCNLAT16)	Yes	major lateral beacon, green, simplified

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

INT 1 : Q125 (3)	Q125	20	SY (BCNDEF13)	No	default symbol for a beacon, simplified
Q125	21	SY (BCNGEN01)	No	beacon in general, paper-chart	
Q125	22	SY (BCNGEN03)	No	default symbol for beacon, paper-chart	

INT 1 : Q126 (1)				
Q126	176	SY (NOTBRD11)	No	conspicuous notice board
Q130	498	LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

INT 1 : Q130.1 (30)	Q130.1	26	SY (BCNLAT21)	No	minor lateral beacon, red, simplified
Q130.1	27	SY (BCNLAT22)	No	minor lateral beacon, green, simplified	
Q130.1	28	SY (BCNLTC01)	No	lattice beacon, paper-chart	
Q130.1	33	SY (BCNSTK02)	No	minor, stake or pole beacon, paper-chart	
Q130.1	34	SY (BCNTOW01)	No	beacon tower, paper-chart	
Q130.1	36	SY (BOYCAN01)	No	can buoy, paper-chart	
Q130.1	41	SY	No	conical buoy,	

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

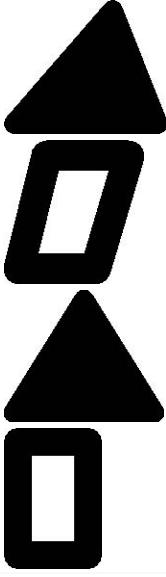
	(BOYCON01)	paper-chart	
Q130.1	42 SY (BOYDEF03)	No	default symbol for buoy, simplified
Q130.1	43 SY (BOYGEN03)	No	default symbol for buoy, paper-chart
Q130.1	46 SY (BOYLAT13)	Yes	conical lateral buoy, green, simplified
Q130.1	47 SY (BOYLAT14)	Yes	conical lateral buoy, red, simplified
Q130.1	48 SY (BOYLAT23)	Yes	can shape lateral buoy, green, simplified
Q130.1	49 SY (BOYLAT24)	Yes	can shape lateral buoy, red, simplified
Q130.1	53 SY	No	pillar buoy,

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

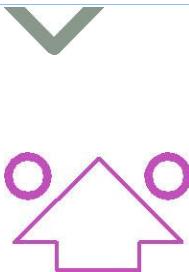
	(BOYPIL01)	paper-chart	
Q130.1	59 SY (BOYSPR01)	No	spar buoy, paper-chart
Q130.1	60 SY (BOYSUP01)	No	super-buoy, paper-chart
Q130.1	521 SY (DIRBOY01)	No	direction of buoage
Q130.1	106 SY (DIRBOYA1)	No	direction and color of buoage for approaching harbour in IALA region A (red to port)
Q130.1	107 SY (DIRBOYB1)	No	direction and color of buoage for approaching harbour in IALA region B (green to port)
Q130.1	377 SY (TOPMAR02)	No	topmark for buoys, cone point up, paper-chart

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

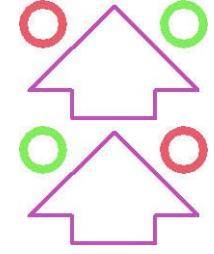
		Page 171 of 241
Q130.1	385 SY (TOPMAR13)	No
Q130.1	390 SY (TOPMAR22)	No
Q130.1	398 SY (TOPMAR33)	No



		Page 172 of 241
Q130.2	498 LC (NAVARE51)	No
Q130.2	521 SY (DIRBOY01)	No
Q130.2	106 SY (DIRBOYA1)	No



		Page 172 of 241
Q130.2	107 SY (DIRBOYB1)	No
Q130.3	498 LC (NAVARE51)	No
Q130.3	16 SY (BCNCAR01)	Yes
Q130.3	17 SY (BCNCAR02)	Yes
Q130.3	18 SY (BCNCAR03)	Yes
Q130.3	19 SY (BCNCAR04)	Yes



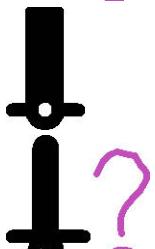
http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

Q130.3 20 SY (BCNDEF13) No default symbol for a beacon, simplified



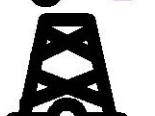
Q130.3 21 SY (BCNGEN01) No beacon in general, paper-chart



Q130.3 22 SY (BCNGEN03) No default symbol for beacon, paper-chart



Q130.3 28 SY (BCNLTC01) No lattice beacon, paper-chart



Q130.3 33 SY (BCNSTK02) No minor, stake or pole beacon, paper-chart



Q130.3 34 SY (BCNTOW01) No beacon tower, paper-chart



http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

Q130.3 37 SY (BOYCAR01) Yes cardinal buoy, north, simplified



Q130.3 38 SY (BOYCAR02) Yes cardinal buoy, east, simplified



Q130.3 39 SY (BOYCAR03) Yes cardinal buoy, south, simplified



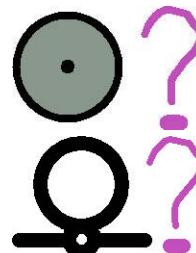
Q130.3 40 SY (BOYCAR04) Yes cardinal buoy, west, simplified



Q130.3 41 SY (BOYCON01) No conical buoy, paper-chart



Q130.3 42 SY (BOYDEF03) Yes default symbol for buoy, simplified



Q130.3 43 SY (BOYGEN03) No default symbol for buoy, paper-chart



Q130.3 53 SY (BOYPIL01) No pillar buoy,

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

paper-chart



Q130.3 59 SY (BOYSPR01) No spar buoy, paper-chart



Q130.3 60 SY (BOYSUP01) No super-buoy, paper-chart



Q130.3 154 SY (LIGHTS13) No light flare, white or yellow



Q130.3 379 SY (TOPMAR05) No topmark for buoys, 2 cones point upward, paper-chart



Q130.3 380 SY (TOPMAR06) No topmark for buoys, 2 cones point downward, paper-chart



Q130.3 381 SY (TOPMAR07) No topmark for buoys, 2 cones base to base, paper-chart



Q130.3 382 SY No topmark for

(TOPMAR08)

buoys, 2 cones point to point, paper-chart



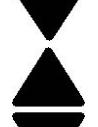
Q130.3 392 SY (TOPMAR25) No topmark for beacons, 2 cones point upward, paper-chart



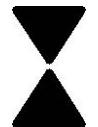
Q130.3 93 SY (TOPMAR26) No topmark for beacons, 2 cones point downward, paper-chart



Q130.3 394 SY (TOPMAR27) No topmark for beacons, 2 cones base to base, paper-chart



Q130.3 395 SY (TOPMAR28) No topmark for beacons, 2 cones point to point, paper-chart



INT 1 : Q130.4 (16)

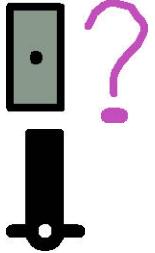
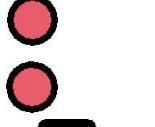
Q130.4 498 LC (NAVARE51) No boundary of a navigation feature such as a fairway, magnetic anomaly, etc.



Q130.4 20 SY (BCNDEF13) No default symbol for a beacon, simplified

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

Q130.4	21	SY (BCNGEN01)	No	beacon in general, paper-chart	
Q130.4	22	SY (BCNGEN03)	No	default symbol for beacon, paper-chart	
Q130.4	23	SY (BCNISD21)	No	isolated danger beacon, simplified	
Q130.4	28	SY (BCNLTC01)	No	lattice beacon, paper-chart	
Q130.4	33	SY (BCNSTK02)	No	minor, stake or pole beacon, paper-chart	
Q130.4	34	SY (BCNTOW01)	No	beacon tower, paper-chart	

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

Q130.4 41 SY
(BOYCON01) No conical buoy, paper-chart

Q130.4 43 SY
(BOYGEN03) No default symbol for buoy, paper-chart

Q130.4 45 SY
(BOYISD12) Yes isolated danger buoy, simplified

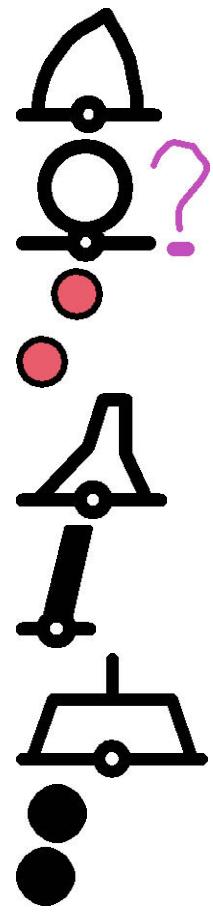
Q130.4 53 SY
(BOYPIL01) No pillar buoy, paper-chart

Q130.4 59 SY
(BOYSPR01) No spar buoy, paper-chart

Q130.4 60 SY
(BOYSUP01) No super-buoy, paper-chart

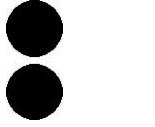
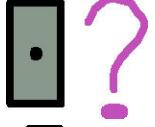
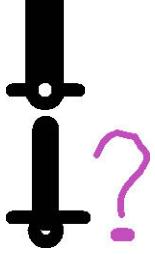
Q130.4 384 SY
(TOPMAR12) No topmark for buoys, 2 spheres, paper-chart

Q130.4 397 SY No topmark for

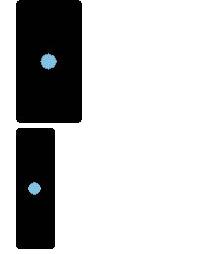
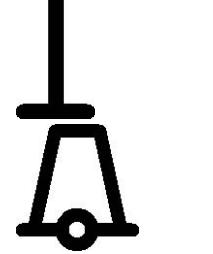
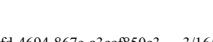


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http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

		(TOPMAR32)	beacons, 2 spheres, paper-chart		
INT 1 : Q130.5 (17)					
Q130.5	498	LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.	
Q130.5	20	SY (BCNDEF13)	No	default symbol for a beacon, simplified	
Q130.5	21	SY (BCNGEN01)	No	beacon in general, paper-chart	
Q130.5	22	SY (BCNGEN03)	No	default symbol for beacon, paper-chart	
Q130.5	28	SY (BCNLTC01)	No	lattice beacon, paper-chart	
Q130.5	29	SY (BCNSAW13)	Yes	major safe water beacon, simplified	

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Q130.5	30	SY (BCNSAW21)	Yes	minor safe water beacon, simplified	
Q130.5	33	SY (BCNSTK02)	No	minor, stake or pole beacon, paper-chart	
Q130.5	34	SY (BCNTOW01)	No	beacon tower, paper-chart	
Q130.5	43	SY (BOYGEN03)	No	default symbol for buoy, paper-chart	
Q130.5	53	SY (BOYPIL01)	No	pillar buoy, paper-chart	
Q130.5	54	SY (BOYSAW12)	Yes	safe water buoy, simplified	
Q130.5	55	SY	No	spherical buoy,	

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

	(BOYSPH01)	paper-chart	
Q130.5	59 SY (BOYSPR01)	No	spar buoy, paper-chart
Q130.5	60 SY (BOYSUP01)	No	super-buoy, paper-chart
Q130.5	383 SY (TOPMAR10)	No	topmark for buoys, sphere, paper-chart
Q130.5	396 SY (TOPMAR30)	No	topmark for beacons, sphere, paper-chart

INT 1 : Q130.6 (25)

Q130.6	498 LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.	
Q130.6	20 SY (BCNDEF13)	No	default symbol for a beacon, simplified	

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Q130.6	21 SY (BCNGEN01)	No	beacon in general, paper-chart	
Q130.6	22 SY (BCNGEN03)	No	default symbol for beacon, paper-chart	
Q130.6	28 SY (BCNLTC01)	No	lattice beacon, paper-chart	
Q130.6	31 SY (BCNSPP13)	Yes	major special purpose beacon, simplified	
Q130.6	32 SY (BCNSPP21)	Yes	minor special purpose beacon, simplified	
Q130.6	33 SY (BCNSTK02)	No	minor, stake or pole beacon, paper-chart	

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

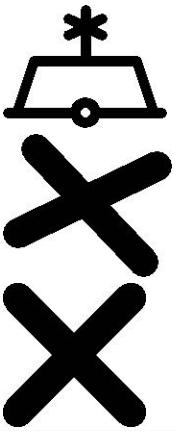
Q130.6	34 SY (BCNTOW01)	No	beacon tower, paper-chart	
Q130.6	35 SY (BOYBAR01)	No	barrel buoy, paper-chart	
Q130.6	36 SY (BOYCAN01)	No	can buoy, paper-chart	
Q130.6	41 SY (BOYCON01)	No	conical buoy, paper-chart	
Q130.6	43 SY (BOYGEN03)	No	default symbol for buoy, paper-chart	
Q130.6	53 SY (BOYPILO1)	No	pillar buoy, paper-chart	
Q130.6	55 SY (BOYSPH01)	No	spherical buoy, paper-chart	

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

Q130.6	56 SY (BOYSP11)	No	special purpose buoy, spherical or barrel shaped, or default symbol for special purpose buoy, simplified	
Q130.6	57 SY (BOYSP15)	Yes	special purpose TSS buoy marking the starboard side of the traffic lane, simplified	
Q130.6	58 SY (BOYSP25)	Yes	special purpose TSS buoy marking the port side of the traffic lane, simplified	
Q130.6	527 SY (BOYSP35)	Yes	special purpose ice buoy or spar or pillar shaped buoy, simplified	
Q130.6	59 SY (BOYSPR01)	No	spare buoy, paper-chart	
Q130.6	60 SY (BOYSUP01)	No	super-buoy, paper-chart	
Q130.6	61 SY (BOYSUP02)	No	super-buoy ODAS & LANBY, simplified	

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

Q130.6 62 SY (BOYSUP03) No LANBY, super-buoy, paper-chart



Q130.6 401 SY (TOPMAR65) No topmark for buoys, x-shape, paper-chart



Q130.6 402 SY (TOPMAR85) No topmark for beacons, x-shape, paper-chart



INT 1 : Q2 (24)

Q2 370 SY (TMARDEF1) No topmark for beacons, flag or other shape, paper-chart



Q2 371 SY (TMARDEF2) No topmark for buoys, flag or other shape, paper-chart



Q2 377 SY (TOPMAR02) No topmark for buoys, cone point up, paper-chart



Q2 379 SY (TOPMAR05) No topmark for buoys, 2 cones

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point upward, paper-chart



Q2 380 SY (TOPMAR06) No topmark for buoys, 2 cones point downward, paper-chart



Q2 381 SY (TOPMAR07) No topmark for buoys, 2 cones base to base, paper-chart



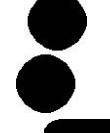
Q2 382 SY (TOPMAR08) No topmark for buoys, 2 cones point to point, paper-chart



Q2 383 SY (TOPMAR10) No topmark for buoys, sphere, paper-chart



Q2 384 SY (TOPMAR12) No topmark for buoys, 2 spheres, paper-chart



Q2 385 SY (TOPMAR13) No topmark for buoys, cylinder, paper-chart

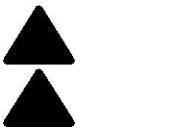


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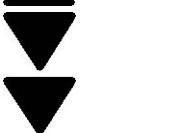
Q2 390 SY (TOPMAR22) No topmark for beacons, cone point up, paper-chart



Q2 392 SY (TOPMAR25) No topmark for beacons, 2 cones point upward, paper-chart



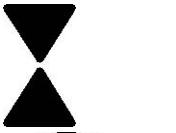
Q2 93 SY (TOPMAR26) No topmark for beacons, 2 cones point downward, paper-chart



Q2 394 SY (TOPMAR27) No topmark for beacons, 2 cones base to base, paper-chart



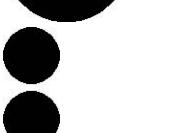
Q2 395 SY (TOPMAR28) No topmark for beacons, 2 cones point to point, paper-chart



Q2 396 SY (TOPMAR30) No topmark for beacons, sphere, paper-chart



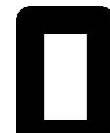
Q2 397 SY (TOPMAR32) No topmark for beacons, 2 spheres, paper-chart



Q2 398 SY No topmark for

(TOPMAR33)

beacons, cylinder, paper-chart



Q2 400 SY (TOPMAR36) No topmark for beacons, cube point up, paper-chart



Q2 401 SY (TOPMAR65) No topmark for buoys, x-shape, paper-chart



Q2 402 SY (TOPMAR85) No topmark for beacons, x-shape, paper-chart



Q2 403 SY (TOPMAR86) No topmark for beacons, upright cross, paper-chart



Q2 404 SY (TOPMAR87) No topmark for beacons, besom point down, paper-chart



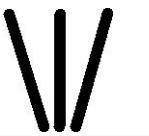
Q2 405 SY (TOPMAR88) No topmark for beacons, besom point up,



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paper-chart



INT 1 : Q20 (1)

Q20 41 SY (BOYCON01) No conical buoy, paper-chart



INT 1 : Q21 (1)

Q21 36 SY (BOYCAN01) No can buoy, paper-chart



INT 1 : Q22 (1)

Q22 55 SY (BOYSPH01) No spherical buoy, paper-chart



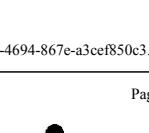
INT 1 : Q23 (1)

Q23 53 SY (BOYPILO01) No pillar buoy, paper-chart



INT 1 : Q24 (1)

Q24 59 SY (BOYSPR01) No spar buoy, paper-chart



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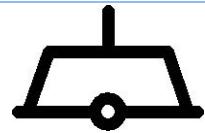
INT 1 : Q25 (1)

Q25 35 SY (BOYBAR01) No barrel buoy, paper-chart

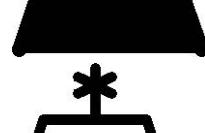


INT 1 : Q26 (3)

Q26 60 SY (BOYSUP01) No super-buoy, paper-chart



Q26 61 SY (BOYSUP02) Yes super-buoy ODAS & LANBY, simplified



Q26 62 SY (BOYSUP03) No LANBY, super-buoy, paper-chart

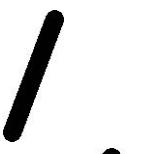


INT 1 : Q3 (24)

Q3 370 SY (TMARDEF1) No topmark for beacons, flag or other shape, paper-chart



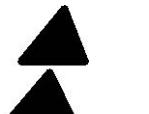
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Q3 371 SY (TMARDEF2) No topmark for buoys, flag or other shape, paper-chart



Q3 377 SY (TOPMAR02) No topmark for buoys, cone point up, paper-chart



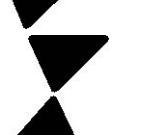
Q3 379 SY (TOPMAR05) No topmark for buoys, 2 cones point upward, paper-chart



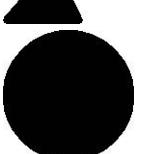
Q3 380 SY (TOPMAR06) No topmark for buoys, 2 cones point downward, paper-chart



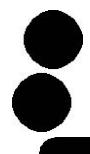
Q3 381 SY (TOPMAR07) No topmark for buoys, 2 cones base to base, paper-chart



Q3 382 SY (TOPMAR08) No topmark for buoys, 2 cones point to point, paper-chart



Q3 383 SY (TOPMAR10) No topmark for buoys, sphere, paper-chart



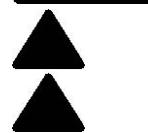
Q3 384 SY (TOPMAR12) No topmark for buoys, 2 spheres, paper-chart



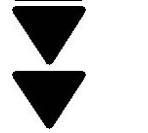
Q3 385 SY (TOPMAR13) No topmark for buoys, cylinder, paper-chart



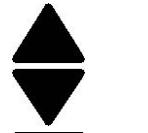
Q3 390 SY (TOPMAR22) No topmark for beacons, cone point up, paper-chart



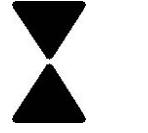
Q3 392 SY (TOPMAR25) No topmark for beacons, 2 cones point upward, paper-chart



Q3 93 SY (TOPMAR26) No topmark for beacons, 2 cones point downward, paper-chart



Q3 394 SY (TOPMAR27) No topmark for beacons, 2 cones base to base, paper-chart



Q3 395 SY (TOPMAR28) No topmark for beacons, 2 cones point to point, paper-chart

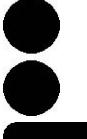
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Q3 396 SY (TOPMAR30) No topmark for beacons, sphere, paper-chart



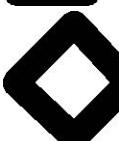
Q3 397 SY (TOPMAR32) No topmark for beacons, 2 spheres, paper-chart



Q3 398 SY (TOPMAR33) No topmark for beacons, cylinder, paper-chart



Q3 400 SY (TOPMAR36) No topmark for beacons, cube point up, paper-chart



Q3 401 SY (TOPMAR65) No topmark for buoys, x-shape, paper-chart



Q3 402 SY (TOPMAR85) No topmark for beacons, x-shape, paper-chart

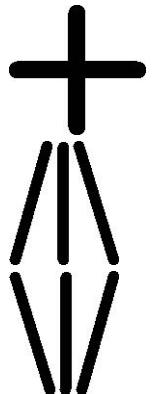


Q3 403 SY (TOPMAR86) No topmark for beacons, upright cross,



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paper-chart

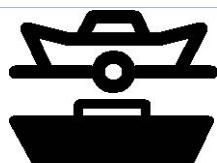


Q3 404 SY (TOPMAR87) No topmark for beacons, besom point down, paper-chart

Q3 405 SY (TOPMAR88) No topmark for beacons, besom point up, paper-chart

INT 1 : Q30 (11)

Q30 158 SY (LITFLT01) No light float, paper-chart



Q30 159 SY (LITFLT02) Yes light float, simplified



Q30 371 SY (TMARDEF2) No topmark for buoys, flag or other shape, paper-chart



Q30 377 SY (TOPMAR02) No topmark for buoys, cone point up, paper-chart

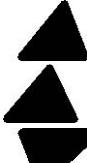


Q30 379 SY (TOPMAR05) No topmark for buoys, 2 cones

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http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

point upward, paper-chart



Q30 380 SY (TOPMAR06) No topmark for buoys, 2 cones point downward, paper-chart



Q30 381 SY (TOPMAR07) No topmark for buoys, 2 cones base to base, paper-chart



Q30 382 SY (TOPMAR08) No topmark for buoys, 2 cones point to point, paper-chart



Q30 383 SY (TOPMAR10) No topmark for buoys, sphere, paper-chart



Q30 384 SY (TOPMAR12) No topmark for buoys, 2 spheres, paper-chart



Q30 385 SY (TOPMAR13) No topmark for buoys, cylinder, paper-chart



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INT 1 : Q31 (2)

Q31 158 SY (LITFLT01) No light float, paper-chart



Q31 159 SY (LITFLT02) No light float, simplified

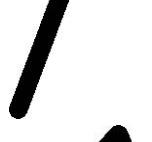


INT 1 : Q4 (24)

Q4 370 SY (TMARDEF1) No topmark for beacons, flag or other shape, paper-chart



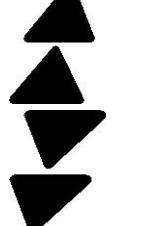
Q4 371 SY (TMARDEF2) No topmark for buoys, flag or other shape, paper-chart



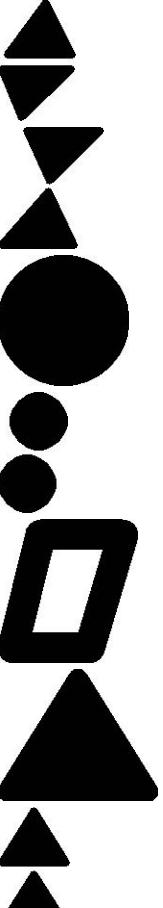
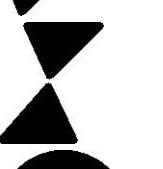
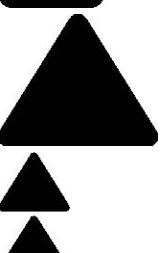
Q4 377 SY (TOPMAR02) No topmark for buoys, cone point up, paper-chart



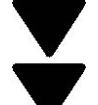
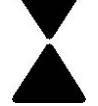
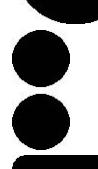
Q4 379 SY (TOPMAR05) No topmark for buoys, 2 cones point upward, paper-chart



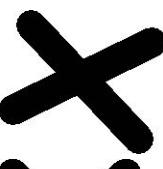
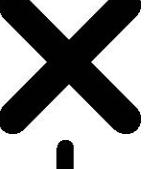
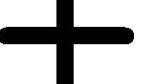
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Q4	381	SY (TOPMAR07)	No	topmark for buoys, 2 cones base to base, paper-chart	
Q4	382	SY (TOPMAR08)	No	topmark for buoys, 2 cones point to point, paper-chart	
Q4	383	SY (TOPMAR10)	No	topmark for buoys, sphere, paper-chart	
Q4	384	SY (TOPMAR12)	No	topmark for buoys, 2 spheres, paper-chart	
Q4	385	SY (TOPMAR13)	No	topmark for buoys, cylinder, paper-chart	
Q4	390	SY (TOPMAR22)	No	topmark for beacons, cone point up, paper-chart	
Q4	392	SY (TOPMAR25)	No	topmark for beacons, 2 cones point upward, paper-chart	

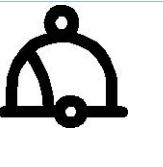
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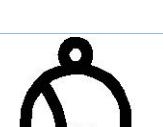
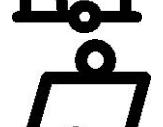
Q4	93	SY (TOPMAR26)	No	topmark for beacons, 2 cones point downward, paper-chart	
Q4	394	SY (TOPMAR27)	No	topmark for beacons, 2 cones base to base, paper-chart	
Q4	395	SY (TOPMAR28)	No	topmark for beacons, 2 cones point to point, paper-chart	
Q4	396	SY (TOPMAR30)	No	topmark for beacons, sphere, paper-chart	
Q4	397	SY (TOPMAR32)	No	topmark for beacons, 2 spheres, paper-chart	
Q4	398	SY (TOPMAR33)	No	topmark for beacons, cylinder, paper-chart	
Q4	400	SY (TOPMAR36)	No	topmark for beacons, cube point up, paper-chart	

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Q4	401	SY (TOPMAR65)	No	topmark for buoys, x-shape, paper-chart	
Q4	402	SY (TOPMAR85)	No	topmark for beacons, x-shape, paper-chart	
Q4	403	SY (TOPMAR86)	No	topmark for beacons, upright cross, paper-chart	
Q4	404	SY (TOPMAR87)	No	topmark for beacons, besom point down, paper-chart	
Q4	405	SY (TOPMAR88)	No	topmark for beacons, besom point up, paper-chart	

INT 1 : Q40 (3)

Q40	50	SY (BOYMOR01)	No	mooring buoy, barrel shape, paper-chart	
Q40	51	SY (BOYMOR03)	No	mooring buoy, can shape,	

Q40	52	SY (BOYMOR11)	No	paper-chart	
Q40	52	SY (BOYMOR01)	No	installation buoy and mooring buoy, simplified	
Q41	50	SY (BOYMOR01)	No	mooring buoy, barrel shape, paper-chart	
Q41	51	SY (BOYMOR03)	No	mooring buoy, can shape, paper-chart	
Q41	52	SY (BOYMOR11)	No	installation buoy and mooring buoy, simplified	
Q41	152	SY (LIGHTS11)	No	light flare, red	
Q41	153	SY (LIGHTS12)	No	light flare, green	
Q41	154	SY	No	light flare, white	

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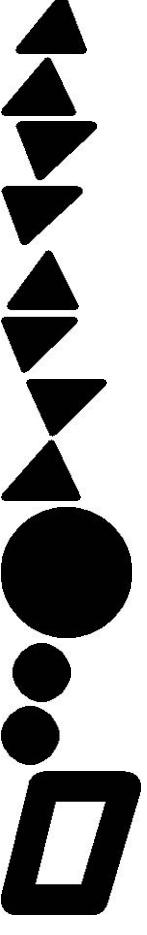
	(LIGHTS13)	or yellow	
Q41	157 SY (LITDEF11)	No	light flare
INT 1 : Q42 (5)			
Q42	498 LC (NAVARE51)	No	boundary of a navigation feature such as a fairway, magnetic anomaly, etc.
Q42	50 SY (BOYMOR01)	No	mooring buoy, barrel shape, paper-chart
Q42	51 SY (BOYMOR03)	No	mooring buoy, can shape, paper-chart
Q42	52 SY (BOYMOR11)	No	installation buoy and mooring buoy, simplified
Q42	99 SY (DANGER02)	No	underwater hazard with depth greater than 20 metres

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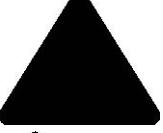
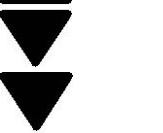
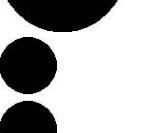
INT 1 : Q43 (3)			
Q43	50 SY (BOYMOR01)	No	mooring buoy, barrel shape, paper-chart
Q43	51 SY (BOYMOR03)	No	mooring buoy, can shape, paper-chart
Q43	52 SY (BOYMOR11)	No	installation buoy and mooring buoy, simplified

INT 1 : Q5 (24)			
Q5	370 SY (TMARDEF1)	No	topmark for beacons, flag or other shape, paper-chart
Q5	371 SY (TMARDEF2)	No	topmark for buoys, flag or other shape, paper-chart
Q5	377 SY (TOPMAR02)	No	topmark for buoys, cone point up, paper-chart
Q5	379 SY (TOPMAR05)	No	topmark for buoys, 2 cones point upward,

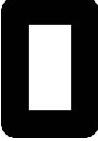
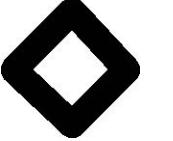
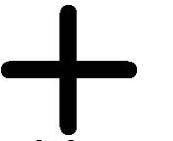
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		paper-chart	
Q5	380 SY (TOPMAR06)	No	topmark for buoys, 2 cones point downward, paper-chart
Q5	381 SY (TOPMAR07)	No	topmark for buoys, 2 cones base to base, paper-chart
Q5	382 SY (TOPMAR08)	No	topmark for buoys, 2 cones point to point, paper-chart
Q5	383 SY (TOPMAR10)	No	topmark for buoys, sphere, paper-chart
Q5	384 SY (TOPMAR12)	No	topmark for buoys, 2 spheres, paper-chart
Q5	385 SY (TOPMAR13)	No	topmark for buoys, cylinder, paper-chart

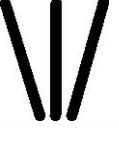
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		Page 203 of 241		Page 204 of 241
Q5	390 SY (TOPMAR22)	No	topmark for beacons, cone point up, paper-chart	
Q5	392 SY (TOPMAR25)	No	topmark for beacons, 2 cones point upward, paper-chart	
Q5	93 SY (TOPMAR26)	No	topmark for beacons, 2 cones point downward, paper-chart	
Q5	394 SY (TOPMAR27)	No	topmark for beacons, 2 cones base to base, paper-chart	
Q5	395 SY (TOPMAR28)	No	topmark for beacons, 2 cones point to point, paper-chart	
Q5	396 SY (TOPMAR30)	No	topmark for beacons, sphere, paper-chart	
Q5	397 SY (TOPMAR32)	No	topmark for beacons, 2 spheres, paper-chart	
Q5	398 SY	No	topmark for	

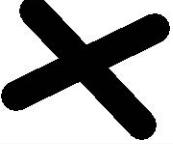
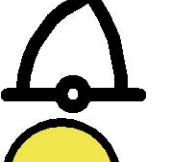
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	(TOPMAR33)	beacons, cylinder, paper-chart	
Q5	400 SY (TOPMAR36)	No topmark for beacons, cube point up, paper-chart	
Q5	401 SY (TOPMAR65)	No topmark for buoys, x-shape, paper-chart	
Q5	402 SY (TOPMAR85)	No topmark for beacons, x-shape, paper-chart	
Q5	403 SY (TOPMAR86)	No topmark for beacons, upright cross, paper-chart	
Q5	404 SY (TOPMAR87)	No topmark for beacons, besom point down, paper-chart	
Q5	405 SY (TOPMAR88)	No topmark for beacons, besom point up,	

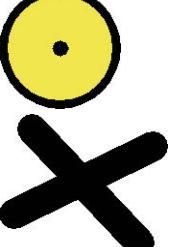
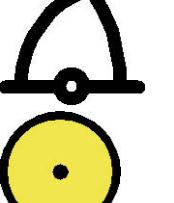
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		paper-chart	
		INT 1 : Q50 (3)	
	Q50	41 SY (BOYCON01)	No conical buoy, paper-chart
	Q50	56 SY (BOYSPP11)	Yes special purpose buoy, spherical or barrel shaped, or default symbol for special purpose buoy, simplified
	Q50	401 SY (TOPMAR65)	No topmark for buoys, x-shape, paper-chart
		INT 1 : Q51 (3)	
	Q51	41 SY (BOYCON01)	No conical buoy, paper-chart
	Q51	56 SY (BOYSPP11)	No special purpose buoy, spherical or barrel shaped, or default symbol for special purpose buoy,

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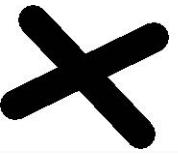
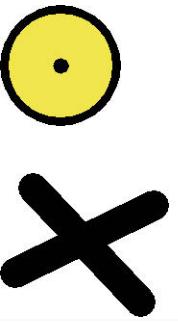
		Page 207 of 241
Q51	401 SY (TOPMAR65)	No simplified topmark for buoys, x-shape, paper-chart
		
		INT 1 : Q52 (3)
Q52	41 SY (BOYCON01)	No conical buoy, paper-chart
		
Q52	56 SY (BOYSPP11)	No special purpose buoy, spherical or barrel shaped, or default symbol for special purpose buoy, simplified
		
Q52	401 SY (TOPMAR65)	No topmark for buoys, x-shape, paper-chart
		
		INT 1 : Q53 (3)
Q53	41 SY (BOYCON01)	No conical buoy, paper-chart
		
Q53	56 SY (BOYSPP11)	No special purpose buoy, spherical or barrel shaped, or default symbol

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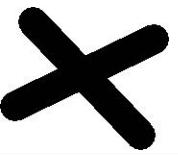
		Page 208 of 241
		for special purpose buoy, simplified
Q53	401 SY (TOPMAR65)	No topmark for buoys, x-shape, paper-chart
		
		INT 1 : Q54 (3)
Q54	41 SY (BOYCON01)	No conical buoy, paper-chart
		
Q54	56 SY (BOYSPP11)	No special purpose buoy, spherical or barrel shaped, or default symbol for special purpose buoy, simplified
		
Q54	401 SY (TOPMAR65)	No topmark for buoys, x-shape, paper-chart
		
		INT 1 : Q55 (3)
Q55	41 SY (BOYCON01)	No conical buoy, paper-chart
		

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Q55	56	SY (BOYSPP11)	No	special purpose buoy, spherical or barrel shaped, or default symbol for special purpose buoy, simplified
Q55	401	SY (TOPMAR65)	No	topmark for buoys, x-shape, paper-chart

**INT 1 : Q56 (3)**

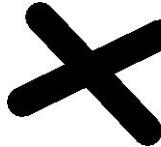
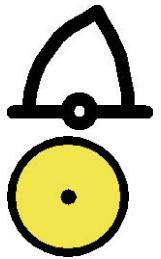
Q56	41	SY (BOYCON01)	No	conical buoy, paper-chart
Q56	56	SY (BOYSPP11)	No	special purpose buoy, spherical or barrel shaped, or default symbol for special purpose buoy, simplified
Q56	401	SY (TOPMAR65)	No	topmark for buoys, x-shape, paper-chart

**INT 1 : Q57 (3)**

Q57	41	SY (BOYCON01)	No	conical buoy, paper-chart
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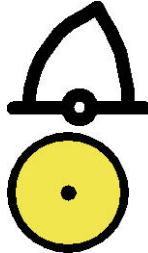
Q57	56	SY (BOYSPP11)	No	special purpose buoy, spherical or barrel shaped, or default symbol for special purpose buoy, simplified
Q57	401	SY (TOPMAR65)	No	topmark for buoys, x-shape, paper-chart

**INT 1 : Q58 (1)**

Q58	61	SY (BOYSUP02)	No	super-buoy ODAS & LANBY, simplified
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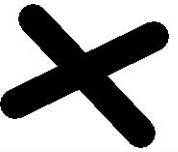
**INT 1 : Q59 (3)**

Q59	41	SY (BOYCON01)	No	conical buoy, paper-chart
Q59	56	SY (BOYSPP11)	No	special purpose buoy, spherical or barrel shaped, or default symbol for special purpose buoy, simplified



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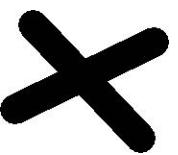
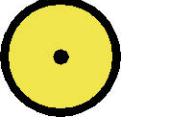
Q59	401	SY (TOPMAR65)	No	simplified topmark for buoys, x-shape, paper-chart
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**INT 1 : Q60 (1)**

Q60	41	SY (BOYCON01)	No	conical buoy, paper-chart
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**INT 1 : Q62 (3)**

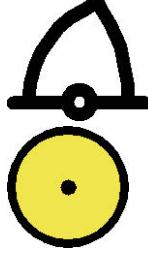
Q62	41	SY (BOYCON01)	No	conical buoy, paper-chart
Q62	56	SY (BOYSPP11)	No	special purpose buoy, spherical or barrel shaped, or default symbol for special purpose buoy, simplified
Q62	401	SY (TOPMAR65)	No	topmark for buoys, x-shape, paper-chart

**INT 1 : Q70 (3)**

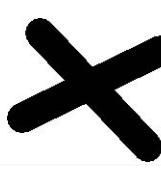
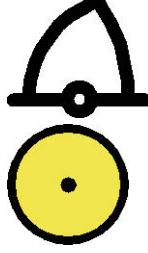
Q70	41	SY (BOYCON01)	No	conical buoy, paper-chart
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Q70	56	SY (BOYSPP11)	No	special purpose buoy, spherical or barrel shaped, or default symbol for special purpose buoy, simplified
Q70	401	SY (TOPMAR65)	No	topmark for buoys, x-shape, paper-chart

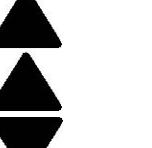
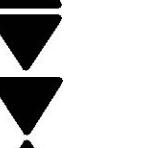
**INT 1 : Q71 (3)**

Q71	41	SY (BOYCON01)	No	conical buoy, paper-chart
Q71	56	SY (BOYSPP11)	No	special purpose buoy, spherical or barrel shaped, or default symbol for special purpose buoy, simplified
Q71	401	SY (TOPMAR65)	No	topmark for buoys, x-shape, paper-chart

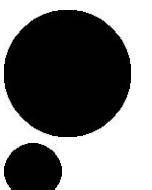
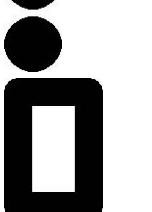
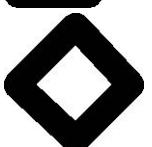
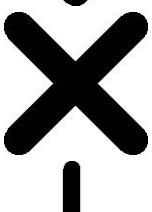


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INT 1 : Q82 (14)

Q82	370	SY (TMARDEF1)	No	topmark for beacons, flag or other shape, paper-chart	
Q82	390	SY (TOPMAR22)	No	topmark for beacons, cone point up, paper-chart	
Q82	392	SY (TOPMAR25)	No	topmark for beacons, 2 cones point upward, paper-chart	
Q82	93	SY (TOPMAR26)	No	topmark for beacons, 2 cones point downward, paper-chart	
Q82	394	SY (TOPMAR27)	No	topmark for beacons, 2 cones base to base, paper-chart	
Q82	395	SY (TOPMAR28)	No	topmark for beacons, 2 cones point to point, paper-chart	
Q82	396	SY (TOPMAR30)	No	topmark for beacons, sphere, paper-chart	

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

Q82	397	SY (TOPMAR32)	No	topmark for beacons, 2 spheres, paper-chart	
Q82	398	SY (TOPMAR33)	No	topmark for beacons, cylinder, paper-chart	
Q82	400	SY (TOPMAR36)	No	topmark for beacons, cube point up, paper-chart	
Q82	402	SY (TOPMAR85)	No	topmark for beacons, x-shape, paper-chart	
Q82	403	SY (TOPMAR86)	No	topmark for beacons, upright cross, paper-chart	

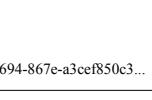
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Q82	405	SY (TOPMAR88)	No	topmark for beacons, besom point up, paper-chart	
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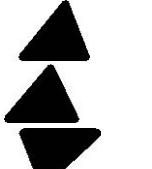
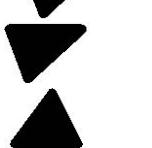
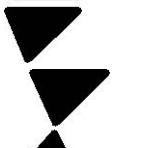
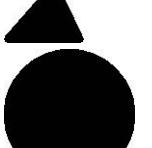
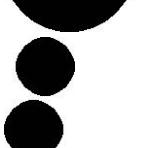
INT 1 : Q83 (1)

Q83	23	SY (BCNISD21)	Yes	isolated danger beacon, simplified	
-----	----	------------------	-----	------------------------------------	---

INT 1 : Q9 (12)

Q9	370	SY (TMARDEF1)	No	topmark for beacons, flag or other shape, paper-chart	
Q9	371	SY (TMARDEF2)	No	topmark for buoys, flag or other shape, paper-chart	
Q9	377	SY (TOPMAR02)	No	topmark for buoys, cone point up, paper-chart	
Q9	379	SY (TOPMAR05)	No	topmark for buoys, 2 cones	

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

Q9	380	SY (TOPMAR06)	No	point upward, paper-chart	
Q9	381	SY (TOPMAR07)	No	topmark for buoys, 2 cones point downward, paper-chart	
Q9	382	SY (TOPMAR08)	No	topmark for buoys, 2 cones base to base, paper-chart	
Q9	383	SY (TOPMAR10)	No	topmark for buoys, 2 cones point to point, paper-chart	
Q9	384	SY (TOPMAR12)	No	topmark for buoys, sphere, paper-chart	
Q9	385	SY (TOPMAR13)	No	topmark for buoys, 2 spheres, paper-chart	

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

Q9 390 SY (TOPMAR22) No topmark for beacons, cone point up, paper-chart



Q9 401 SY (TOPMAR65) No topmark for buoys, x-shape, paper-chart

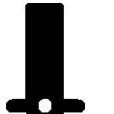


INT 1 : Q91 (10)

Q91 20 SY (BCNDEF13) No default symbol for a beacon, simplified



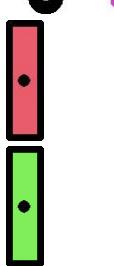
Q91 21 SY (BCNGEN01) No beacon in general, paper-chart



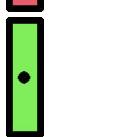
Q91 22 SY (BCNGEN03) No default symbol for beacon, paper-chart



Q91 26 SY (BCNLAT21) No minor lateral beacon, red, simplified



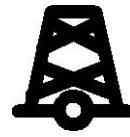
Q91 27 SY (BCNLAT22) Yes minor lateral beacon, green, simplified



Q91 28 SY No lattice beacon,



http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

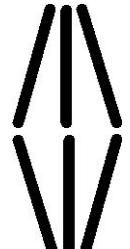


Q91 33 SY (BCNSTK02) No minor, stake or pole beacon, paper-chart

Q91 34 SY (BCNTOW01) No beacon tower, paper-chart



Q91 404 SY (TOPMAR87) No topmark for beacons, besom point down, paper-chart



Q91 405 SY (TOPMAR88) No topmark for beacons, besom point up, paper-chart



INT 1 : Q92 (10)

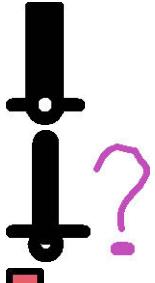
Q92 20 SY (BCNDEF13) No default symbol for a beacon, simplified



Q92 21 SY (BCNGEN01) No beacon in general, paper-chart

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

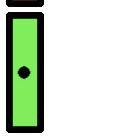
Q92 22 SY (BCNGEN03) No default symbol for beacon, paper-chart



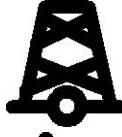
Q92 26 SY (BCNLAT21) No minor lateral beacon, red, simplified



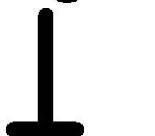
Q92 27 SY (BCNLAT22) No minor lateral beacon, green, simplified



Q92 28 SY (BCNLTC01) No lattice beacon, paper-chart



Q92 33 SY (BCNSTK02) No minor, stake or pole beacon, paper-chart



Q92 34 SY (BCNTOW01) No beacon tower, paper-chart



http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010



Q92 201 SY (PRICKE04) No withy, starboard-hand, paper-chart



INT 1 : R1 (1)

R1 129 SY (FOGSIG01) No fog signal



INT 1 : R10 (1)

R10 129 SY (FOGSIG01) No fog signal



INT 1 : R11 (1)

R11 129 SY (FOGSIG01) No fog signal



INT 1 : R12 (1)

R12 129 SY (FOGSIG01) No fog signal



http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

INT 1 : R13 (1)

R13 129 SY (FOGSIG01) No fog signal

**INT 1 : R14 (1)**

R14 129 SY (FOGSIG01) No fog signal

**INT 1 : R15 (1)**

R15 129 SY (FOGSIG01) No fog signal

**INT 1 : R16 (1)**

R16 129 SY (FOGSIG01) No fog signal

**INT 1 : R20 (5)**

R20 129 SY (FOGSIG01) No fog signal



http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

R20 152 SY (LIGHTS11) No light flare, red



R20 153 SY (LIGHTS12) No light flare, green



R20 154 SY (LIGHTS13) No light flare, white or yellow



R20 157 SY (LITDEF11) No light flare

**INT 1 : R21 (1)**

R21 129 SY (FOGSIG01) No fog signal

**INT 1 : R22 (5)**

R22 129 SY (FOGSIG01) No fog signal



R22 152 SY (LIGHTS11) No light flare, red



R22 153 SY (LIGHTS12) No light flare, green



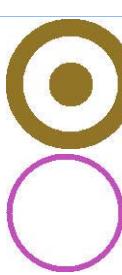
R22 154 SY (LIGHTS13) No light flare, white or yellow



R22 157 SY (LITDEF11) No light flare

**INT 1 : S1 (2)**

S1 193 SY (POSGEN01) No position of a point feature



S1 213 SY (RDOSTA02) No radio station



http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

INT 1 : S10 (1)

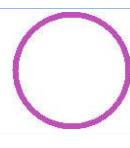
S10 213 SY (RDOSTA02) No radio station

**INT 1 : S11 (1)**

S11 213 SY (RDOSTA02) No radio station

**INT 1 : S12 (1)**

S12 213 SY (RDOSTA02) No radio station

**INT 1 : S13 (1)**

S13 213 SY (RDOSTA02) No radio station

**INT 1 : S14 (1)**

S14 213 SY (RDOSTA02) No radio station

**INT 1 : S15 (1)**

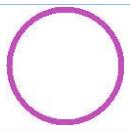
S15 213 SY (RDOSTA02) No radio station



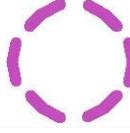
http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

**INT 1 : S16 (1)**

S16 213 SY (RDOSTA02) No radio station

**INT 1 : S2 (1)**

S2 228 SY (RTPBCN02) No radar transponder beacon

**INT 1 : S3.1 (1)**

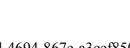
S3.1 228 SY (RTPBCN02) No radar transponder beacon

**INT 1 : S3.2 (1)**

S3.2 228 SY (RTPBCN02) No radar transponder beacon

**INT 1 : S3.3 (1)**

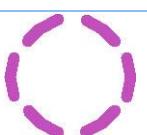
S3.3 228 SY (RTPBCN02) No radar transponder beacon



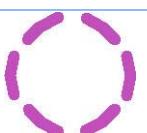
http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

**INT 1 : S3.4 (1)**

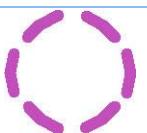
S3.4 228 SY (RTPBCN02) No radar transponder beacon

**INT 1 : S3.5 (1)**

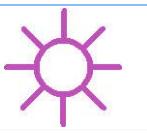
S3.5 228 SY (RTPBCN02) No radar transponder beacon

**INT 1 : S3.6 (1)**

S3.6 228 SY (RTPBCN02) No radar transponder beacon

**INT 1 : S4 (1)**

S4 205 SY (RACNSP01) No symbol indicating this object is radar conspicuous

**INT 1 : S5 (1)**

S5 205 SY (RACNSP01) No symbol indicating this object is radar

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

conspicuous

**INT 1 : S51 (1)**

S51 587 SY (DRFSTA01) No DGPS Base station

**INT 1 : T1.1 (2)**

T1.1 477 LC (CTYARE51) No boundary of area to be navigated with caution



T1.1 187 SY (PILBOP02) No pilot boarding place

**INT 1 : T1.2 (2)**

T1.2 477 LC (CTYARE51) No boundary of area to be navigated with caution



T1.2 187 SY (PILBOP02) No pilot boarding place

**INT 1 : T1.3 (2)**

T1.3 477 LC (CTYARE51) No boundary of area to be navigated with caution



T1.3 187 SY (PILBOP02) No pilot boarding place



http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

**INT 1 : T1.4 (2)**

T1.4 477 LC (CTYARE51) No boundary of area to be navigated with caution



T1.4 187 SY (PILBOP02) No pilot boarding place

**INT 1 : T10 (1)**

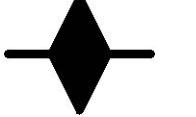
T10 77 SY (CGUSTA02) No coastguard station

**INT 1 : T11 (2)**

T11 77 SY (CGUSTA02) No coastguard station

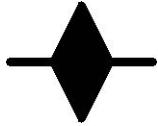


T11 225 SY (RSCSTA02) No rescue station

**INT 1 : T12 (1)**

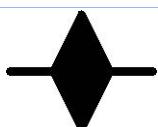
T12 225 SY (RSCSTA02) No rescue station

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010



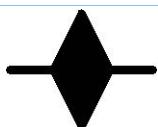
INT 1 : T13 (1)

T13 225 SY
(RSCSTA02) No rescue station



INT 1 : T14 (1)

T14 225 SY
(RSCSTA02) No rescue station



INT 1 : T20 (1)

T20 233 SY
(SISTAT02) No signal station



INT 1 : T21 (1)

T21 233 SY
(SISTAT02) No signal station



INT 1 : T22 (1)

T22 233 SY
(SISTAT02) No signal station

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010



INT 1 : T27 (1)

T27 233 SY
(SISTAT02) No signal station



INT 1 : T28 (1)

T28 233 SY
(SISTAT02) No signal station



INT 1 : T29 (1)

T29 233 SY
(SISTAT02) No signal station



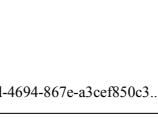
INT 1 : T30 (1)

T30 233 SY
(SISTAT02) No signal station



INT 1 : T31 (1)

T31 233 SY
(SISTAT02) No signal station



http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010



INT 1 : T23 (1)

T23 233 SY
(SISTAT02) No signal station



INT 1 : T24 (1)

T24 233 SY
(SISTAT02) No signal station



INT 1 : T25.1 (1)

T25.1 233 SY
(SISTAT02) No signal station



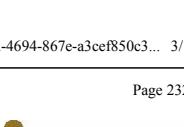
INT 1 : T25.2 (1)

T25.2 233 SY
(SISTAT02) No signal station



INT 1 : T26 (1)

T26 233 SY
(SISTAT02) No signal station



INT 1 : T32.1 (1)

T32.1 233 SY
(SISTAT02) No signal station



INT 1 : T32.2 (1)

T32.2 233 SY
(SISTAT02) No signal station



INT 1 : T33 (1)

T33 233 SY
(SISTAT02) No signal station



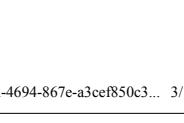
INT 1 : T34 (1)

T34 233 SY
(SISTAT02) No signal station



INT 1 : T35 (1)

T35 233 SY
(SISTAT02) No signal station



http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010



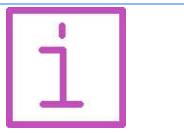
INT 1 : T36 (1)

T36 233 SY (SISTATO2) No signal station



INT 1 : U1.1 (2)

U1.1 83 SY (CHINFO07) No HO information note



U1.1 234 SY (SMCFAC02) No yacht harbour, marina



INT 1 : U1.2 (1)

U1.2 234 SY (SMCFAC02) No yacht harbour, marina



INT 1 : U10 (1)

U10 234 SY (SMCFAC02) No yacht harbour, marina

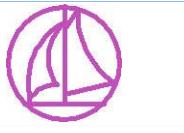


http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010



INT 1 : U18 (1)

U18 234 SY (SMCFAC02) No yacht harbour, marina



INT 1 : U19 (1)

U19 234 SY (SMCFAC02) No yacht harbour, marina



INT 1 : U2 (1)

U2 234 SY (SMCFAC02) No yacht harbour, marina



INT 1 : U20 (1)

U20 234 SY (SMCFAC02) No yacht harbour, marina



INT 1 : U21 (1)

U21 234 SY (SMCFAC02) No yacht harbour, marina

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

INT 1 : U11 (1)

U11 234 SY (SMCFAC02) No yacht harbour, marina



INT 1 : U12 (1)

U12 234 SY (SMCFAC02) No yacht harbour, marina



INT 1 : U13 (1)

U13 234 SY (SMCFAC02) No yacht harbour, marina



INT 1 : U15 (1)

U15 234 SY (SMCFAC02) No yacht harbour, marina



INT 1 : U16 (1)

U16 234 SY (SMCFAC02) No yacht harbour, marina



INT 1 : U17 (1)

U17 234 SY (SMCFAC02) No yacht harbour, marina

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010



INT 1 : U22 (1)

U22 234 SY (SMCFAC02) No yacht harbour, marina



INT 1 : U23 (1)

U23 234 SY (SMCFAC02) No yacht harbour, marina



INT 1 : U24 (1)

U24 234 SY (SMCFAC02) No yacht harbour, marina



INT 1 : U25 (1)

U25 234 SY (SMCFAC02) No yacht harbour, marina



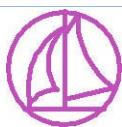
INT 1 : U26 (1)

U26 234 SY (SMCFAC02) No yacht harbour, marina

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

INT 1 : U27 (1)

U27 234 SY (SMCFAC02) No yacht harbour, marina

**INT 1 : U28 (1)**

U28 234 SY (SMCFAC02) No yacht harbour, marina

**INT 1 : U29 (1)**

U29 234 SY (SMCFAC02) No yacht harbour, marina

**INT 1 : U3 (1)**

U3 234 SY (SMCFAC02) No yacht harbour, marina

**INT 1 : U30 (1)**

U30 234 SY (SMCFAC02) No yacht harbour, marina

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

INT 1 : U9 (1)

U9 234 SY (SMCFAC02) No yacht harbour, marina

**INT 1 : Z (14)**

Z 463 AP (QUESMRK1) No pattern of symbols for an area which is not sufficiently described to be symbolized, or for which no symbol exists in the symbol library



Z 495 LC (LOWACC31) No area of wrecks or obstructions of low accuracy



Z 0 LC (NEWOBJ01) No new object



Z 584 LC (NEWOBJ01) No new object



Z 505 LC (QUESMRK1) No object which is not sufficiently described to be symbolized, or for which no symbol exists in the symbol library



http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

INT 1 : U4 (1)

U4 234 SY (SMCFAC02) No yacht harbour, marina

**INT 1 : U5 (1)**

U5 234 SY (SMCFAC02) No yacht harbour, marina

**INT 1 : U6 (1)**

U6 234 SY (SMCFAC02) No yacht harbour, marina

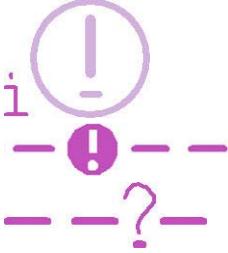
**INT 1 : U7 (1)**

U7 234 SY (SMCFAC02) No yacht harbour, marina

**INT 1 : U8 (1)**

U8 234 SY (SMCFAC02) No yacht harbour, marina

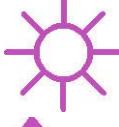
Z 93 SY (CTYARE71) No library cautionary area with further information



Z 578 SY (NEWOBJ01) No new object

Z 204 SY (QUESMRK1) No object which is not sufficiently described to be symbolized, or for which no symbol exists in the symbol library

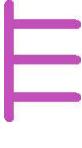
Z 206 SY (RADRFL03) No radar reflector



Z 210 SY (RCTLPT52) No Recommended traffic direction between parts of a traffic separation scheme, or for ships not needing a deep water route



Z 220 SY (RETRFL01) No retro reflector, paper chart



Z 221 SY (RETRFL02) Yes retro reflector, simplified

http://ocs-vs-port01/prj/ncs2/vst/_layouts/PrintList.aspx?list={8e4a9986-85fd-4694-867e-a3cef850c3... 3/16/2010

Z	227	SY (RTLDEF51)	No	Recommended route between parts of a traffic separation scheme, or for ships not needing a deep water route, with the direction not specified in the data
Z	368	SY (TIDEHT01)	No	point for which tide height information is available

