

**7th Meeting of the Standardization of Nautical Publications Working Group (SNPWG)
12-16 February 2007, BSH, Rostock, Germany**

Objects

Drafted by/ Date	Object	details (new/deleted/amended)
Jens/ 18. Jul. 06	all	inserted control table
Jens/ 18. Jul. 06	supplies, waste disposal, guidance, restrictions on vessels characteristic, Marine activity area, Sea-plane landing area, Risk of collision area, Piracy and armed robbery risk area, Port area, Nautical Publications area	see question marks
Jens 09. Aug. 06	berast	added attribute notice
	address	changed cities into citynm
	wasdis	deleted notice which is an associated inf obj
	ADMARE	diplomaticRepresentation, flagInformation, languageInformation, nationalHoliday, otherCurrency haven't a corresponding attribute in attribute file
	SPLARE	actper hasn't a corresponding attribute in attribute file
	prtare	medreg is covered by prtreg is this correct??? otherwise the corresponding attribute in attribute file is missing
	RTPBCN	alrsrn the corresponding attribute in attribute file is missing
DA 16Aug2002	RSCSTA	Added comment
DA 16Aug2002	address	Added comment
DA 16Aug2002	autori	Added definition; deleted rgdata; amended notice to ntctim;
DA 16Aug2002	berast	Amended notice to ntctim
DA 16Aug2002	catmac	comment
DA 16Aug2002	mrnsrv	Comment added; Amended notice to ntctim; rgdata deleted;
DA 16Aug2002	pltsrv	Amended notice to ntctim; added comment;
DA 12Oct 06	pirare	Added definition;
DA 12 Oct 06	prtare	Added srvhrs;
DA 16 Oct 06	RTPBCN	Deleted alrsrn; inserted rtpref
DA 16 Oct 06	restvc	Moved to Information Objects
DA 16Aug2002	SPLARE	Actper deleted - Reducndant
DA 16Aug2002	supply	Amended notice to ntctim, qualim and srvhrs deleted;
DA 16Aug2002	wasdis	Amended notice to ntctim
DA 16Aug2002	SMCFAC	Amended notice to ntctim
DA 16 Oct 06	svcare	definition
DA 16Aug2002	guides	Amended definition, Added reference, comment and ?

Northern 09. Nov. 2006	SMCFAC	see comments on Information object file
	address	comment on David's proposal
	autori	comment on rgdata, deleted by David
	berast	added a comment box; works for recapitulation of decision
	mrnsrv	rgdata back, service area, proposed by David, is not detected Changed abbreviation of prodre (see Attribute list)
	pltsrv	agreed with David's proposal
	supply	not followed David's argumentation new definition proposed
	wasdis	see supply
	guides	new definition proposed given up our idea of inf object
Jens 27.Nov. 2006	macare	discussing the philosophy of different approaches
	SPLARE	agree
	rskare	see macare
	pirare	see macare and a new comment
	npuare	discussion continued
	srvare	back for revision
Jens 28. Nov. 2006	RDOSTA	detected a wrong attribute see also comments on svcare
	svcare	wrong position
11 Dec 06	pltsrv	Added Remarks and a comment in comment box.
	srvare 4 rows above	Sorry wrong acronym. I meant svcare. Searched and replaced other mistakes by me.
11Jan 07	moglla to flulan	New Americas Objects copied into this file from John Nyborg's email of 8 Dec 06 and then substantially reformatted.
17 Jan 07	supply	comment
	guides	Comment. Definition. Cross refer to comments in Attribute prtreg.
	npuare	Comment: Association
	addres	Comment
29.01.07 Jens	pltsrv	.Comment and answer on David's query
	mrnsrv	putted a notice at Distinction

The control table works with using track changes like the example shown below:

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Western 11.Jul. 2006	Jan 12.Jul. 2006	deleted item 4 because it is superfluous inserted two new attributes	John 13. Jul.2006	SNPWG7 ???????
	David 14. Jul	amended definition improve the English	Svante 15. Jul. 2006	SNPWG7 ?????????
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

Northern Part

action required from SNPWG 6

GEO OBJECT CLASSES

Object Class: **Rescue station**

Acronym: **RSCSTA**

Code: **111**

Set Attribute_A: **CATRSC**; DATEND; DATSTA; NOBJNM; OBJNAM; PEREND; PERSTA; STATUS;

Set Attribute_B: INFORM; NINFOM; NTXTDS; **PICREP**; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

A place at which life saving equipment is held. (IHO Chart Specs, M-4)

References:

INT 1: IT 12-14; IQ 124;
M-3: ??????????????????
M-4: 493; 493.1-2;

Remarks:

This object encodes the service available at this location. The structure housing the service should be coded separately.

Distinction:

beacon special purpose/general; building single; coastguard station;

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Northern/ before SNPWG 6				SNPWG6 30.06.06
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

[By DA See comments on CATRSC](#)

GEO OBJECT CLASSES

Object Class: **Berth**

Acronym: **BERTHS**

Code: **10**

Set Attribute_A: **aviblg**; DATEND; DATSTA; DRVAL1; NOBJNM; OBJNAM; PEREND; PERSTA; QUASOU; SOUACC; STATUS;

Set Attribute_B: INFORM; NINFOM; NTXTDS; **PICREP**; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

A named or numbered place where a vessel is moored at a wharf. (IHO Dictionary, S-32, 5th Edition, 470)

References:

INT 1: IF 19;
M-3: ???????
M-4: 321.1;

Remarks:

No remarks.

Distinction:

anchor berth; dock area; mooring/warping facility; shoreline construction;

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Northern/ before SNPWG 6				SNPWG6 30.06.06
			DA 16.08.2006 Northern 8.Nov.2006	
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

GEO OBJECT CLASSES

Object Class: Dock area

Acronym: **DOCARE**

Code: **45**

Set Attribute_A: **avlblg**; CATDOC; CONDTN; DATEND; DATSTA; HORACC; HORCLR; NOBJNM; OBJNAM; STATUS;

Set Attribute_B: INFORM; NINFOM; NTXTDS; **PICREP**; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

A dock is an artificially enclosed area within which ships may moor and which may have gates to regulate water level (adapted from IHO Chart Specifications, M-4).

Reference:

INT 1: IF 27,28;
M-3: ??????????
M-4: 326.3-4;

Remarks:

No remarks.

Distinction:

harbour area (administrative); cargo transshipment area; berth; harbour facility; gate; floating dock; dry dock;

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Northern/ before SNPWG 6				SNPWG6 30.06.06
			DA 16.08.2006 Northern 8.Nov.2006	
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

GEO OBJECT CLASSES

Object Class: Dry dock

Acronym: **DRYDOC**

Code: **47**

Set Attribute_A: COND TN; DRVAL1; HORACC; HORCLR; HORLEN; HORWID; NOBJNM;
 OBJNAM; QUASOU; SOUACC; STATUS; **VERCLR**;

Set Attribute_B: INFORM; NINFOM; N TXTDS; **PICREP**; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

An artificial basin fitted with a gate or caisson, into which vessels can be floated and the water pumped out to expose the vessel's bottom. Also called graving dock. (IHO Dictionary, S-32, 5th Edition, 1426)

Reference:

INT 1: IF 25;
M-3: ??????????
M-4: 326.1;

Remarks:

No remarks.

Distinction:

floating dock; gate; dock area; shoreline construction;

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Northern/ before SNPWG 6				SNPWG6 30.06.06
			DA 16.08.2006 Northern 8.Nov.2006	
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

GEO OBJECT CLASSES

Object Class: Floating dock

Acronym: **FLODOC**

Code: **57**

Set Attribute_A: COLOUR; COLPAT; CONDTN; CONRAD; CONVIS; DATEND; DATSTA; DRVAL1; HORACC; HORCLR; HORLEN; HORWID; LIFCAP; NOBJNM; OBJNAM; STATUS; VERACC; **VERCLR**; VERLEN;

Set Attribute_B: INFORM; NINFOM; NTXTDS; PICREP; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

A form of dry dock consisting of a floating structure of one or more sections which can be partly submerged by controlled flooding to receive a vessel, then raised by pumping out the water so that the vessel's bottom can be exposed. (IHO Dictionary, S-32, 5th Edition, 1427)

References:

INT 1: IF 26;
M-3: ??????????
M-4: 326.2;

Remarks:

No remarks.

Distinction:

dry dock; dock area;

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Northern/ before SNPWG 6				SNPWG6 30.06.06
			DA 16.08.2006 Northern 8.Nov.2006	
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

GEO OBJECT CLASSES

Object Class: Gridiron

Acronym: **GRIDRN**

Code: **62**

Set Attribute_A: HORACC; HORLEN; HORWID; NATCON; NOBJNM; OBJNAM; STATUS; VERACC; **VERCLR**; VERLEN; WATLEV;

Set Attribute_B: INFORM; NINFOM; NTXTDS; **PICREP**; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

A timber structure in the intertidal zone serving as a support for vessels at low stages of the tide to permit work on the exposed portion of the vessel's hull. Also called careening grid. (IHO Dictionary, S-32, 5th Edition, 649)

References:

INT 1: IF 24;
M-3: ??????????
M-4: 326.8;

Remarks:

No remarks.

Distinction:

No distinctions.

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Northern/ before SNPWG 6				SNPWG6 30.06.06
			DA 16.08.2006 Northern 8.Nov.2006	
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

GEO OBJECT CLASSES

Object Class: Pilot boarding place

Acronym: **PILBOP**

Code: **91**

Set Attribute_A: CATPIL; **clapbp**; COMCHA; DATEND; DATSTA; NOBJNM; NPLDST; OBJNAM; PEREND; PERSTA; PILDST; **pltvsl**; STATUS;

Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Associated information object classes: **srvhrs**;

Definition:

The meeting place to which the pilot comes out. (IHO Chart Specs, M-4)

References:

INT 1: IT 1.1-4;
M-3: ??????????
M-4: 491.1-2;

Remarks:

No remarks.

Distinction:

No distinctions.

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Northern/ before SNPWG 6				SNPWG6 30.06.06
			DA 16.08.2006 Northern 8.Nov.2006	
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

GEO OBJECT CLASSES

Object Class: **Shoreline construction**

Acronym: **SLCONS**

Code: **122**

Set Attribute_A: CATSLC; COLOUR; COLPAT; CONDTN; CONRAD; CONVIS; DATEND; DATSTA; **DRVAL1**; HEIGHT; HORACC; HORCLR; HORLEN; HORWID; NATCON; NOBJNM; OBJNAM; STATUS; VERACC; **VERCLR**; VERDAT; VERLEN; WATLEV;

Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

A fixed artificial structure in the water and/or adjoining land. It may also refer to training walls, which are not necessarily connected to, nor from part of the shoreline.

References:

INT 1: IF 2, 4, 5, 6, 12-15, 18, 23, 33;
M-3: ??????????
M-4: 313.2, 4; 321.1-4; 322.1-2; 324.1;

Remarks:

No remarks.

Distinction:

canal bank; coastline; lake shore; land area; pontoon; river bank;

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Northern/ before SNPWG 6		DRVAL1 works for CATSLC slipway, ramp, landing steps		SNPWG6 30.06.06
			DA 16.08.2006 Northern 8.Nov.2006	
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

GEO OBJECT CLASSES

Object Class: **Small craft facility**

Acronym: **SMCFAC**

Code: **128**

Set Attribute_A: CATSCF; **DATEND; DATSTA**;NOBJNM; [ntctim](#); OBJNAM; PEREND; PERSTA; STATUS; **totber; vstber**;

Set Attribute_B: INFORM; NINFOM; NTXTDS; PICREP; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Associated information object classes: [srvhrs](#);

Deleted: notice;

Definition:

A place at which a service generally of interest to small craft or pleasure boats is available.

References:

INT 1: IU 2, 3-4, 6-13, 15-31;
M-3: ??????????
M-4: not specified;

Remarks:

This object class encodes the service available at this location. The structure housing the service should be encoded separately.

Distinction:

building, single; harbour facility; shoreline construction;

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Northern/ before SNPWG 6				SNPWG6 30.06.06
			DA 16.08.2006 Northern 8.Nov.2006	
	Northern 07.Nov.2006	see comments on information object file	Not found apart from hidden twice in row below acronym in telecommunicat ions	

Submitted to Hydro register manager	Date
Submitted to Nav register manager	Date

GEO OBJECT CLASSES

Object Class: Address

Acronym: **adres**

Code: ?

Set Attribute_A: **adadin; admdiv; citynm; contry; NOBJNM; OBJNAM; postbx; strtnm; zipcod;**

Set Attribute_B: **INFORM; NINFOM; NTXTDS; TXTDSC;**

Set Attribute_C: **RECDAT; RECIND; SORDAT; SORIND;**

Definition:

To mark directions for delivery on s.th.. (Adopted Websters Ninth New Collegiate Dictionary, 1983)

References:

INT 1: ?????????????
M-3: ?????????????
M-4: ?????????????

Remarks:

Distinction:

No distinctions.

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Northern/ before SNPWG 6	SNPWG6 30.06.06	This was the best solution we found. SNPWG6 Knowing that further discussion is needed. A discussed option was to separate address lines by a special signature like // or; or whatever. The final decision is depends on for what the information is needed.	SNPWG6 30.06.06	
	Jens 09. Aug.	changed cities into citynm according to details in attr. file		

	DA 17 Aug 2002	Not convinced that this should be a Geographic object. Prefer Information Object like Telecommunications.	DA 17.08.2006 Northern 8.Nov.2006	
	Northern 08.Non.2006	Why? Addresses point precisely to a point of the earth. Therefore it must be a geo object. In case of discrepancies between the service and the office (let us say diver service in Hamburg, company in Norrköping or Copenhagen) we should organize relationships between the objects whether both locations are covered on a chart or not.	True sometimes, but what about PO Box numbers? Also is it better to have multiple geographic feature objects with the same geometry or one geo and one associated object?	
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

GEO OBJECT CLASSES

Object Class: **Authority**

Acronym: **autori**

Code: ?

Set Attribute_A: **cataut**; DATEND; DATSTA; NOBJNM; **ntctim**; OBJNAM; PEREND; PERSTA;

Deleted: cataut

Deleted: rgdata

Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Associated information object classes: **srvhrs**;

Deleted: notice;

Definition:

[A person or organisation having political or administrative power and control. \(Oxford Dictionary of English\)](#)

Deleted: Description of what an authority is.

References:

INT 1: ???????????
 M-3: ???????????
 M-4: ???????????

Remarks:

No remarks.

Distinction:

No distinctions.

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Northern/ before SNPWG 6		To be discussed again. Maybe it could be used for further purposes. Marine service/service area/ or others		SNPWG6 30.06.06

	DA 17.08.2006	Do not believe this is a Geographic Object. Therefore propose move to Information Object; do not see the need for rgdata: deleted; changed notice to ntctim;	Northern 8.Nov.2006	
	Northern 7.Nov.2006	Where the rgdata should go to? We found one under pilotage; this is definitely not enough; we should also look for VTS, Ship Reporting System etc. May be this is a further candidate for a information object		
	DA16 Jan 07	What is ntctim for?		
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

GEO OBJECT CLASSES

Object Class: **berthing assistance**

Acronym: **berast**

Code: ?

Set Attribute_A: **catbas**; NOBJNM; [ntctim](#); OBJNAM;
 Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;
 Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

Various types of assistance for berthing.

References:

INT 1: ???????????????
 M-3: ???????????????
 M-4: ???????????????

Remarks:

No remarks.

Distinction:

No distinctions.

Comment [N21041]: Seite: 17
 The comments given below copied from the discussion about "Quantity of available assistance" on our .xls file
Northern:
 is of the opinion that this special information is not needed because berthing assistance can be ordered in any quantity if requested long enough in advance
Mal:
 It will give the mariner an indication of the services that should be available without ordering a long time in advance!
Northern: Second review: We will not change our opinion. Quantity is not required.
 We see big problems in maintaining "quantity".
David:
 Accept your argument. Will not press for maintaining quantity.
Jens Schröder-Fürstenberg:
 We decided in Monaco that the quantity will not be mentioned here. Perhaps we should add the attribute "notice" here to indicate that the order should be given sometime in advance. The more I am thinking on it the more I like my idea to add "notice". Do you agree?
David:
 Yes. In principle.
 Deleted: notice;

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Northern/ before SNPWG 6				SNPWG6 30.06.06
	09.Aug. 2006/ Jens	added notice/ see comment box		
		Amended notice to ntctim	DA 17.Aug2006	
	7.Nov. 2006	New comments inserted as an answer on Mals arguments	Northern 8.Nov.2006	
	13 Dec 06	Agreed. New thought. Because catbas is type L, ntctim is E the result is ambiguous.		

Submitted to Hydro register manager	Date
Submitted to Nav register manager	Date

GEO OBJECT CLASSES

Object Class: **Marine Service**

Acronym: **mrnsrv**

Code: ?

Set Attribute_A: **catmsv**; DATEND; DATSTA; NOBJNM; ntctim; OBJNAM; PEREND;
PERSTA; ~~svaprc~~; ~~rgdata~~

Deleted: dre

Deleted: rgdata;

Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Associated information object classes: srvhrs;

Deleted: notice;

Definition:

A service implemented by a relevant authority for shipping, e.g. traffic control, pilotage, information, assistance.

References:

INT 1: ????????????

M-3: [Chapter C Section 2.2](#);

M-4: ????????????

Deleted: ????????????

Remarks:

The area geometry presents where the service is provided.

Distinction:

No distinctions. ~~((Pilot service))~~

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Northern/ before SNPWG 6	Da 17.08.2006	I prefer this to be an Information object and the associated geographic object is Service Area "svcare" "svcare". This allows the service details to be provided even if we do not know the limits of the svcare svcare; Changed notice to ntctim; rgdata deleted;	Northern 8.Nov.2006	SNPWG6 30.06.06
	Northern 7.Nov. 2006	Rgdata: see our comments under authority Where do we need rgdata if not here???? Service area: We do not found service areas somewhere on the files. Info objects always must be associated with a geo object. Therefore Davids argumentation will not work. Changed abbreviation of prcdre (see Attribute list)	Need to discuss rgdata Fixed Accepted ☹ Accepted.	
	DA 13 Dec 06	Should have been svcare. Do not believe that Pilotage should be included here as it covered by pltsrv. Distinction: add pltsrv		
	Jens 29.01.07	David, have done your work for you		
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

GEO OBJECT CLASSES

Object Class: **Pilot service**

Acronym: **pltsrv**

Code: ?

Set Attribute_A: **catplt**; DATEND; DATSTA; **ntctim**; NOBJNM; NPLDST; OBJNAM; PEREND; PERSTA; PILDST; **rgdata**;

Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

- Deleted: catpsv;
- Deleted: daywee;
- Deleted: notice;
- Deleted: pltrqs;
- Deleted: schtim;

Associated information object classes: **srvhrs**;

Deleted: notice;

Definition:

The service provided for conducting a vessel within restricted waters. – NP100.

Deleted: . (Information of a pilot service)

References:

- INT 1: ????????????
- M-3: ????????????
- M-4: ????????????

Deleted: ???

Remarks:

The name of this object may be the same as the Pilot District of the associated PILBOPs.

Deleted: No remarks

Distinction:

No distinctions.

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Northern/ before SNPWG 6	Jens 14.07.2006	deleted superfluous attributes inserted ass. inf. obj.		
	DA17.08.2006	Do not see the need for us to produce pltrqs	Northern 8.Nov.2006	
	Northern 8.Nov.2006	Notice: See our comments given for authority srvhrs: We agree putting all the information into srvhrs		

	DA 11 Dec 06	Added definitions. Pltrgs and catpsv deleted. We see duplication between pltsrv and mrnsrv. Perhaps we need to remove Pilotage from mrnsrv and catmsv? Do not see how rqdata works in this object. Remarks added.	jens 29.01.2007	
	jens 29.01.07	seen on different places where the pilot requires other data than the e.g. VTS ((Belfast /UKHO NtM 5/07))		
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

GEO OBJECT CLASSES

Object Class: **supplies**

Acronym: **supply**

Code: ?

Set Attribute_A: **catsup; cattra; ntctim; NOBJNM; OBJNAM; qualim;**

Deleted: notice;

Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Deleted: qualim;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Associated information object classes: srvhrs;

Deleted: notice; srvhrs;

Definition:

A description of various possibilities for getting ship supplies or bunkers at the harbour.
Northern proposal of a definition: (Information about ships supply available at the harbour.)

Deleted: for

Deleted: the

Deleted: The details will not be used for describing small craft facilities.

References:

INT 1: ????????????

M-3: ????????????

M-4: ????????????

Remarks:

No remarks.

Distinction:

The details will not be used for describing small craft facilities.

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Northern/ before SNPWG 6	Jens 14.07.2006	<ul style="list-style-type: none"> deleted superfluous attributes inserted ass. inf. obj. <ul style="list-style-type: none"> I am not sure that we need srvhrs for this object? amended definition 		

	DA 18.08.2006	srvhrs and qualim do not work because there are several kinds of supply; deleted from here but could be associated with the supply if modelled differently. <u>cattr</u> extended	Northern 8.Nov.2006	
	Northern 8.Nov.2006	We do not accept to delete qualim and srvhrs from here. Individual objects have to be encoded for each supply. Adhering this the described approach works.		
	DA 11 Dec 06	OK. Not sure that this is a Geographic Object Class. What would its geography be? Is it perhaps an Information Object with an associated service area? If it is, are we sure it is needed? Isn't this straying outside of navigation into the area of ship's agents business?		
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

GEO OBJECT CLASSES

Object Class: **waste disposal**

Acronym: **wasdis**

Code: ?

Set Attribute_A: **cattra; catwas; ntctim;** NOBJNM; OBJNAM; **qualim;**

Deleted: notice;

Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Deleted: qualim;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Associated information object classes: **srvhrs;**

Deleted: notice; srvhrs;

Definition:

A description of various possibilities for disposing waste.

Deleted: for the

References:

INT 1: ????????????

M-3: ????????????

M-4: ????????????

Remarks:

No remarks.

Distinction:

No distinctions.

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Northern/ before SNPWG 6	Jens 14.07.2006	<ul style="list-style-type: none"> inserted ass. inf. obj. <ul style="list-style-type: none"> I am not sure that we need srvhrs for this object amended definition 		
	<u>Jens</u> <u>9. Aug.</u>	<u>deleted notice which is an ass inf obj</u>		
	<u>DA</u> <u>17.08.2006</u>	<u>Replaced notice by ntctim; qualim and srvhrs need more thought: deleted: same issue as supply</u>	<u>Northern</u> <u>7.Nov. 2006</u>	
	<u>Northern</u> <u>7.Nov. 2006</u>	<u>Same comments as supplies</u>		

Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

Deleted: ¶

GEO OBJECT CLASSES

Object Class: **guidance**

Acronym: **guides**

Code: ?

Set Attribute_A: NOBJNM; OBJNAM; **rcmdts; reglts; resdes;**

Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

Guidance gives recommendations, regulations, or restrictions for a designated area.

References:

INT 1: ????????????

M-3: Chapter C 2.2.1, C 2.7, C 2.8, C 3.19, C 3.21

M-4: ????????????

Remarks:

No remarks.

Distinction:

No distinctions.

Deleted: Offers knowledge of the way its their difficulties and dangers.
((((this is not the best definition))))¶
 ¶
 (Northern proposal)

Deleted: is giving

Deleted: the

Deleted: ????????????

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Northern/ before SNPWG 6	Jens 14.07.2006	<ul style="list-style-type: none"> amended definition assuming this is also an information object 		
	Da18.08.2006	<u>Amended definition:</u> <u>agree could be info object; perhaps only an info object? Do we need TXTDSC?</u> <u>Reference added.</u>	<u>Northern</u> <u>8.Nov. 2006</u>	

	Northern 8.Nov. 2006	We can not refer to a service in the definition. It could be a reg. rec. rstrn for a service in a designated area. We give up our initial idea of transferring this object to an inf object.		
	DA 11 Dec 06	Northern Definition and grammar tidied up. Does it now say what you want? Do we need another attribute to describe what the guidance is about? Perhaps there should be a cat guidance with a list of the types of guidance that can be encoded? How could we use this for Quarantine and Customs Regs currently at attribute prtreg?		
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

Western Part

GEO OBJECT CLASSES

Object Class: **Administration Area (Named)**

Acronym: **ADMARE**

Code: 1

Set Attribute_A: **diplomaticRepresentation; flagInformation; JRSDTN; languageInformation; NATION; holiday; natcur; NOBJNM; OBJNAM; otherCurrency; othwem; siused;**

Set Attribute_B: **INFORM; NINFOM; NTXTDS; PICREP; SCAMAX; SCAMIN; TXTDSC;**

Set Attribute_C: **RECDAT; RECIND; SORDAT; SORIND;**

Deleted: infber;
Deleted: nationalH
Deleted: i

Definition:

A defined (and possibly named) administrative area.

References:

INT 1: ????????????
M-3: ????????????
M-4: ????????????

Remarks:

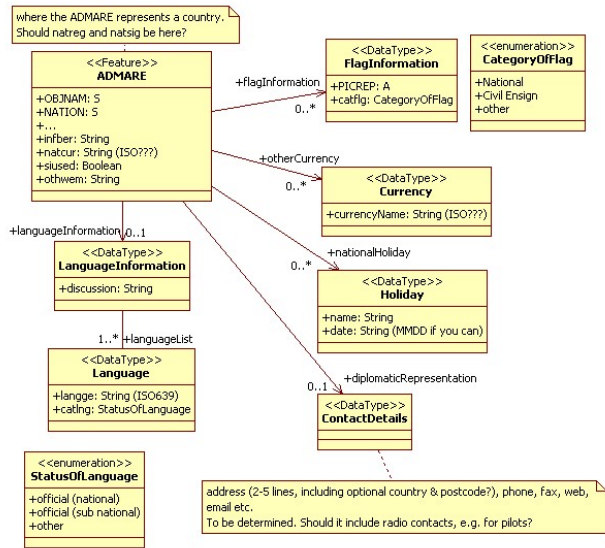
No remarks.

Distinction:

land region; contiguous zone; continental shelf area; exclusive economic zone; fishery zone; territorial sea area;

Comment:

- 1. New attributes intended when this is a Country.



Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Western/ before SNPWG 6	DJDA	Infbcr deleted; added natcur		
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

GEO OBJECT CLASSES

Object Class: Marine activity area

Acronym: **macare**

Code: ?

Set Attribute_A: **catmac**; DATEND; DATSTA; NOBJNM; OBJNAM; PEREND; PERSTA; RESTRN; STATUS;

Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

An area where specific marine activity takes place. This item is to include maritime activities which present hazards to vessels. Hazards are risks to shipping, which stem from sources other than shoal water or obstructions.

References:

INT 1: ????????????
M-3: Chapter C Section 2.2
M-4: ????????????

Remarks:

No remarks.

Distinction:

Caution area;

Deleted: ¶

Comment:

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date

Deleted: This item is to include maritime activities which present hazards to vessels. Hazards are risks to shipping, which stem from sources other than shoal water or obstructions.

Western/ before SNPWG 6	Jens/ 14.07.	<ul style="list-style-type: none"> • put comments under definition • Do you see the possibility to delete this and to cover the information by using "guides" which could be put on each area e.g. SEAARE, CANALS or others and is much more flexible? 	DJDA 11Oct 06	
	DJDA 11Oct 06	The difficulty with SEAARE is that CATSEA makes it clear that a SEAARE is essentially a geological or topographic object. The macare is designed to describe activity. guides looks closer but I am not sure yet that they could be combined	Jens 27.Nov.2006	
	Jens 27.Nov.2006	Assuming this is a more philosophical approach, we should select one way saying: "This is the way it works."		
Submitted to Hydro register manager			Date	
Submitted to Nav register manager			Date	

Deleted: ¶

GEO OBJECT CLASSES

Object Class: **Sea-plane landing area**

Acronym: **SPLARE**

Code: **120**

Deleted: ¶

Deleted: ¶

Set Attribute_A: **NOBJNM; OBJNAM; PEREND; PERSTA; RESTRN; STATUS;**

Deleted: **actper;**

Set Attribute_B: **INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;**

Set Attribute_C: **RECDAT; RECIND; SORDAT; SORIND;**

Deleted: ¶

Definition:

A designated portion of water for the ~~landing and take-off of~~ **landing, take-off and loading of water** by sea-planes.

References:

INT 1: IN 13;
M-3: ??????????????
 M-4: 449.6;

Remarks:

No remarks.

Distinction:

airport area;

Comment:

Proposing group discussed this at length. By broadening the definition, this Object class could also serve to include high speed ultra low level loading of water by fire-fighting aircraft.

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Western/ before SNPWG 6	Jens 14.07.	the attribute actper is NOT on the list with this abbreviation		
	DJDA 11Oct06	Actper deleted - redundant	Jens 27. Nov. 2006	
	Jens 27. Nov. 2006	I agree, actper is covered by PERSTA and PEREND..		
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

Deleted: **actper** will allow greater definition of when the activity takes place.

GEO OBJECT CLASSES

Object Class: Risk of collision area

Acronym: **rskare**

Code: ?

Set Attribute_A: DATEND; DATSTA; NOBJNM; OBJNAM; PEREND; PERSTA;

Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

An area where there is a risk of collision.

References:

- INT 1: ????????
- M-3: Chapter C Section 2.2
- M-4: ??????????????

Remarks:

No remarks.

Distinction:

Caution area;

Comment:

Typical risk of collision would be in water where there are complex and multiple traffic flows.

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Western/ before SNPWG 6	Jens/ 14.07.	Do you see the possibility to delete this and to cover the information by using "guides" which could be putted on each area e.g. SEAARE, CANALS or others and is much more flexible?		

	DJDA 11Oct 06	The difficulty with SEAARE is that CATSEA makes it clear that a SEAARE is essentially a geological or topographic object. The rskare is designed to describe risk . guides might be a possibility but I am not sure it is the same thing.	Jens 27. Nov. 2007	
	Jens 27. Nov. 2007	see macare		
		Seen.		
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

GEO OBJECT CLASSES

Object Class: **Calibration area**

Acronym: **calare** Code: ?

Set Attribute_A: **catcal; conath; DATEND; DATSTA; NOBJNM; OBJNAM; PEREND; PERSTA; RESTRN; STATUS;**

Set Attribute_B: **INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;**

Set Attribute_C: **RECDAT; RECIND; SORDAT; SORIND;**

Definition:

An area where vessels manoeuvre for the calibration of equipment or where vessels manoeuvre for the measurement of performance or signatures.

References:

- INT 1: ????????
- M-3: Chapter C Section 2.2
- M-4: ??????????????

Remarks:

No remarks.

Distinction:

Caution area;

Comment:

1. For example the area, where ships manoeuvre on a measured distance, is indeterminate but could extend well beyond either end of the measured distance. This object class would be used for areas that extend round other charted objects such as measured distances, noise ranges and degaussing ranges.
2. This is one of many objects that do not really have defined limits. This supports the need for polygons with fuzzy boundaries.

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Western/ before SNPWG 6				
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

GEO OBJECT CLASSES

Object Class: **Piracy and armed robbery risk area**

Acronym: **pirare**

Code: ?

Set Attribute_A: **catpir; DATEND; DATSTA; NOBJNM; OBJNAM; PEREND; PERSTA; RESTRN; STATUS;**

Set Attribute_B: **INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;**

Set Attribute_C: **RECDAT; RECIND; SORDAT; SORIND;**

Definition:

An area where there is a raised risk of piracy or armed robbery.

Piracy consists of any of the following acts:

(a) any illegal acts of violence or detention, or any act of depredation, committed for private ends by the crew or the passengers of a private ship or a private aircraft, and directed:

(i) on the high seas, against another ship or aircraft, or against persons or property on board such ship or air-craft;

(ii) against a ship, aircraft, persons or property in a place outside the jurisdiction of any State;

(b) any act of voluntary participation in the operation of a ship or of an aircraft with knowledge of facts making it a pirate ship or aircraft;

(c) any act of inciting or of intentionally facilitating an act described in subparagraph (a) or (b).

United Nations Convention on the Law of the Sea – Article 101

Armed robbery takes place within the jurisdiction of a State.

References:

UNCLOS Part V11
M-3: Chapter C Section 2.2

Deleted: INT 1: ????????

Deleted: ¶
M-4: ????????????????

Remarks:

Regular bulletins come from the IMB Piracy Reporting Centre – Kuala Lumpur.

Deleted: No remarks

Distinction:

Caution area;

Deleted: ¶
¶
Comment:

Deleted: Regular bulletins come from the IMB Piracy Reporting Centre – Kuala Lumpur.

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Western/ before SNPWG 6	Jens 14.07.	Do you see the possibility to delete this and to cover the information by using "guides" which could be putted on each area e.g. SEAARE, CANALS or others and is much more flexible?		
	DJDA 11 Oct 06	I think we could do something with guides but I am not sure they are the same thing. Definition added.	Jens 27.Nov. 2007	
	Jens 27. Nov. 2006	Using guides works easy and effective but gives less opportunities for selecting. see my comments on macare		
		Seen. For discussion.		
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

GEO OBJECT CLASSES

partly (last two attributes) taken from ENVRNMT

Object Class: **Port area**

Acronym: **ptare**

Code: ??

Set Attribute_A: **dvlpmt**; NOBJNM; OBJNAM; **popnbr**; **prtreg**; **srvrep**; **srvtec**; **srvfbg**; **srvmed**; **securityLevel**; STATUS; **traffc**; **trptfc**; **weimen**; **wearsk**;

Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

- Deleted: medreg;
- Deleted: wkdywk;¶ /
- Deleted: /
- Deleted: <sp>

Associated information object classes: **srvhrs**;

Definition:

The sea and land areas surrounding ports in which there are services, facilities, and designated areas such as pilotage, storages yards, warehousing and outer anchorages, associated with shipping.

Knowing this attribute (**wkdywk**) is describing the working day of the week, but could we use instead of **wkdywk** **srvhrs** ?
[Agreed – Done.](#)

References:

INT 1: IN 49;
M-3: ??????????????
 M-4: 430.1;

Remarks:

No remarks.

Distinction:

dock area; harbour area (administrative);

Comment:

- The new attributes have been proposed to provide amplifying information about Ports.
- Definition amended to take into account discussion at Brest. HRBARE does not necessarily cover either outer anchorages or shore-side port facilities.
- The two new attributes here have been proposed to provide amplifying information about Ports over and above the attributes needed for Soc_Pol items.
- Definition amended to take into account discussion at Brest. HRBARE does not necessarily cover either outer anchorages or shore-side port facilities.

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
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Western/ before SNPWG 6	Jens 14.07.	the last two comments have been taken from a second port area sheet some pages below which is now deleted and moved to the end of the file.		
	DJDA 12 oct 06	Added securityLevel Added srvare; deleted wkdywk; medreg.	Jens 27. Nov. 2006	
	Jens 27. Nov. 2006	could not found srvare on attribute list		
	DA 11 Dec 06	My comment 12 Oct not fully understood. Believe it should have been "Added svchrs..." not "srvare"		
Submitted to Hydro register manager			Date	
Submitted to Nav register manager			Date	

GEO OBJECT CLASSES

Object Class: **Nautical Publications area**

Acronym: **npuare**

Code: ?

Set Attribute_A: **catnpu; OBJNAM; NOBJNM; PICREP;**

Set Attribute_B: **SCAMAX; SCAMIN;**

Set Attribute_C:

Associated information object classes, headedText

Deleted: Association:

Deleted: Information: 0..n headed text objects [S-100 property]

Definition:

An area created to divide the maritime areas of the world into logical geographical units determined by the needs of navigation.

References:

M-3: Chapter C Section 2.1

Deleted: INT 1:
..??????????????????¶

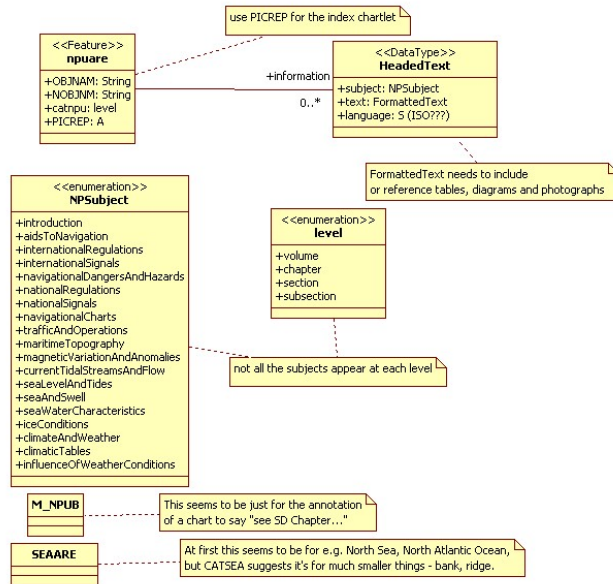
Remarks:

No remarks.

Deleted: M-4: . ?????????????????¶

Distinction:

M_NPUB; SEAARE;



Comment:
 SORDAT and SORINT not included here as better placed at next level down.

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Western/ before SNPWG 6	Jens 14.07.	for what do we need this object if we try to put all NPs information on the chart?		
	DJDA 12Oct06	SNPWG objective is to make NP information "... in a digital format compatible with ECDIS." which is not quite the same as putting NPs information on the Chart.	Jens 27. Nov. 2006	
	Jens 27. Nov. 2006	David, you are right. I think NPs information s needed for sources. Covering the essential NPs information in ECDIS I can not see the reason why the mariner needs to know in which "NP area" he sails. Reading the UML model I see the necessity for looking for a way to cover all references.		

	DA10Jan07	Agree that the Mariner does not need to know but, it will probably help, and the information has to be provided on some area basis. Association tidied up.		
Submitted to Hydro register manager			Date	
Submitted to Nav register manager			Date	

GEO OBJECT CLASSES

Object Class: **Radio station**

Acronym: **RDOSTA**

Code: **105**

Set Attribute_A: CALSGN; CATROS; COMCHA; DATEND; DATSTA; ESTRNG; NOBJNM; OBJNAM; ORIENT; PEREND; PERSTA; SIGFRQ; STATUS;

Deleted: **svcare;**

Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

A place equipped to transmit radio waves. Such a station may be either stationary or mobile, and may also be provided with a radio receiver. In British terminology, also called w/t station. (IHO Dictionary, S-32, 5th Edition, 4191)

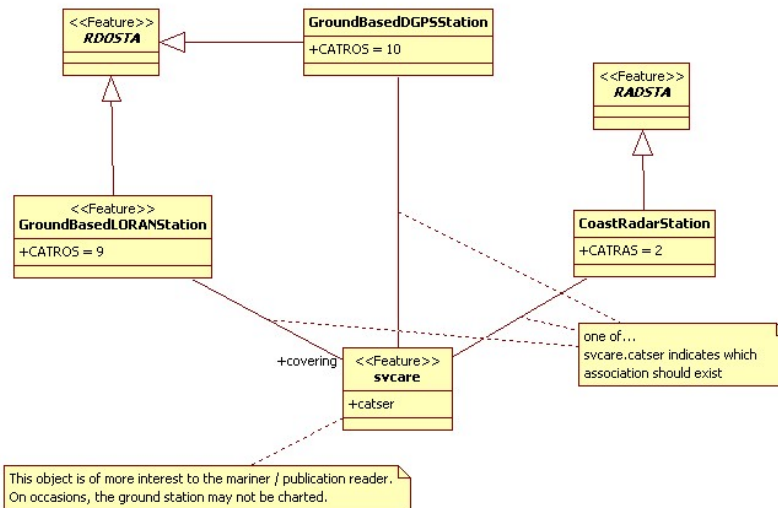
References:

INT 1: IS 10-16;
M-4: 480.1; 481.1-3; 482; 483; 484;

Remarks:

The transmission of a radio station may serve to provide mariners with a line of position. (IHO Chart Specifications, M-4)

The object "radio station" is used to encode the point of transmission of the signal.



Distinction: radio calling in point; radar station;

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Western/ before SNPWG 6		<u>the new attribute svcare could not be an object at the same time. There is something wrong</u>	<u>Jens 28. Nov. 2006</u>	
	<u>DA 13 Dec 06</u>	<u>Quite right. Deleted. If this idea runs, needs to be an Object; however we would like to retain the idea of Associating with a svcare.</u>		
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

Deleted: Comment:¶
New attribute **svcare** used to define the area in which the service can be received.

GEO OBJECT CLASSES -

Object Class: **Automatic Identification System as an aid to navigation**

Acronym: **aisatn**

Code: ?

Set Attribute_A: DATEND; DATSTA; **mmsico**; NOBJNM; OBJNAM; STATUS; VALMXR;

Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

An AIS transmitter placed on a navigational mark as an aid to navigation.

References:

INT 1: [S17.1 and S17.2](#)

M-4: [B - 480](#)

Deleted: ????????????????????

Deleted: M-3: ??????????????????????

Deleted: ??????????????????????

Remarks:

This object class is expected to be required as AIS stations are increasingly deployed as aids to navigation. An AIS transmitter is viewed logically as simply another equipment object like a light, bell or RACON, which is mounted on the structure.

Distinction:

No distinctions.

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Western/ before SNPWG 6				
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

GEO OBJECT CLASSES -

Object Class: Light

Acronym: **LIGHTS**

Code: **75**

Set Attribute_A: CATLIT; COLOUR; DATEND; DATSTA; EXCLIT; HEIGHT; LITCHR; **Itelev**;
LITVIS; MARSYS; MLTYLT; NOBJNM; OBJNAM; ORIENT; PEREND;
PERSTA; SECTR1; SECTR2; SIGGRP; SIGPER; SIGSEQ; STATUS;
VERACC; VALNMR; VERDAT;

Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

A luminous or lighted aid to navigation. (adapted from IHO Dictionary, S-32, 5th Edition, 2766)

References:

INT 1: IP 1-30.3, 40-65;

M-4: 470-473.5; 475-475.7; 476-478,5;

Remarks:

A light may be fixed on a buoy, beacon, tower etc. These are separate objects.

Distinction: beacon, cardinal; beacon, isolated danger; beacon, lateral; beacon, safe water; beacon special purpose/general; buoy, cardinal; buoy, installation; buoy, isolated danger; buoy, lateral; buoy, safe water; buoy, special purpose/general; light vessel; light float;

Drafted by/ Date		Checked by/ Date	Agreed by/ Date
Western/ before SNPWG 6			
Submitted to Hydro register manager			Date
Submitted to Nav register manager			Date

GEO OBJECT CLASSES -

Object Class: Radar transponder beacon

Acronym: **RTPBCN**

Code: **103**

Set Attribute_A: CATRTB; DATEND; DATSTA; NOBJNM; OBJNAM; [rtpref](#); RADWAL; SECTR1; SECTR2; SIGGRP; SIGSEQ; STATUS; VALMXR;

Deleted: alrsm;

Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

A transponder beacon transmitting a coded signal on radar frequency, permitting an interrogating craft to determine the bearing and range of the transponder. Also called racon. (IHO Dictionary, S-32, 5th Edition, 4137)

References:

INT 1: IS 2-3;

M-4: 486.1-3;

Remarks:

The object class radar transponder beacon is only used to encode the technical equipment independent of the structure on which it is located (e.g. a beacon, light-vessel or tower).

Distinction: radar line; radar range; radar station;

Drafted by/ Date			Checked by/ Date	Agreed by/ Date
Western/ before SNPWG 6	DA 16 Oct 06	Deleted alrsm; inserted rtpref		
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

GEO OBJECT CLASSES -

Object Class: Service area

Acronym: **svcare**

Code: ?

Set Attribute_A: **catsvc**; DATEND; DATSTA; NOBJNM; OBJNAM; PEREND; PERSTA; RESTRN; STATUS;

Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

This defines the area in which a service is available to shipping.

Deleted: ??????????????????????
?????????????

References:

M-3: Chapter C Section 2.2

Deleted: INT 1: ??????????????¶

Remarks:

Deleted: M-4: ?????????????????? ¶

Distinction:

Deleted: This defines the area in which a service to shipping is available

Deleted: ??????????????

Comment:

Drafted by/ Date			Checked by/ Date	Agreed by/ Date
Western/ before SNPWG 6			Jens 27.Nov.2006	
	Jens 27. Nov. 2006	I do have problems with defining areas followed by the designation of the area. We have to go the way in the opposite direction. I think, the area is defined by the geometry used for. Splitting up the attributes of catsrv shows that some of them are covered by other objects and their geometry (e.g. Radar, Radio station). Finally, I think this object has to be revised.		
	Jens 28. Nov.	This object can not be an attribute at the same time		

	DA 13 Nov 06	Quite right. Deleted where it appears as an attribute. This object is designed to describe the area served by something that is currently just shown as a point like a radio or radar station. We see it being associated with the point object. Alternative is that the "radio station" has two geometry properties.		
Submitted to Hydro register manager			Date	
Submitted to Nav register manager			Date	

Americas Part

GEO OBJECT CLASSES

Object Class: Seabed area

Acronym: **SBDARE (P,L,A)**

Code: **121**

Set Attribute_A: COLOUR; **holqua**; NATQUA; NATSUR; NOBJNM; OBJNAM; WATLEV;

Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

An area of the sea where the nature of bottom is homogeneous.
 The nature of bottom includes the material of which it is composed and its physical characteristics. Also called character (or characteristics) of the bottom, or quality of the bottom. (IHO Dictionary, S-32, 5th Edition, 515).

References:

INT 1:	IJ 1-11, 30-39;
<u>M-3:</u>	<u>??????????????</u>
M-4:	425.5-6; 426; 427;

Remarks:

Generally, it is not possible to define a seabed area by its real extent. For that reason, the characteristics of the seabed area may be represented at one single position.

Distinction:

sand wave; sea area/named water area; weed/kelp;

Drafted by/ Date			Checked by/ Date	Agreed by/ Date
America / before SNPWG 6				
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

GEO OBJECT CLASSES

Object Class: Sloping ground

Acronym: **SLOGRD (P,A)**

Code: **127**

Set Attribute_A: CATSLO; COLOUR; CONRAD; CONVIS; **grdslo**; NATCON; NATQUA; NATSUR;
NOBJNM; OBJNAM;

Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

An inclined surface (adapted from IHO Dictionary, S-32, 5th Edition, 4776).

References:

INT 1: IC 3, 4, 8; ID 14, 15; IF 1;
M-4: 312.1; 312.3; 313.1; 313.2;

Remarks:

No remarks.

Distinction:

slope topline;

Drafted by/ Date			Checked by/ Date	Agreed by/ Date
America / before SNPWG 6				
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

GEO OBJECT CLASSES

Object Class: Dredged Area

Acronym: **DRGARE (A)**

Code: **46**

Set Attribute_A: DRVAL1; DRVAL2; NOBJNM; OBJNAM; **prddrg; prjdep**; QUASOU; RESTRN;
siltat; SOUACC; TECSOU; VERDAT;

Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

An area of the bottom of a body of water which has been deepened by dredging. (IHO Dictionary, S-32, 5th Edition, 1462)

References:

INT 1: II 20-23;
M-4: 414.1-2; 414.4;

Remarks:

No remarks.

Distinction:

No distinctions.

Drafted by/ Date			Checked by/ Date	Agreed by/ Date
America/ before SNPWG 6				
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

Object Class: Mountain and Glacial Landforms

Acronym: moglla Code: ?

Set Attribute A: catmgI; DATEND; DATSTA; NOBJNM; OBJNAM; PEREND; PERSTA; RESTRN; STATUS;

Set Attribute B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

ADD DICTIONARY DEFINITON

References:

INT 1: ?????????
M-3: Chapter C Section 2.2
M-4: ?????????

?????????????????

Remarks:

?????????????????

Distinction:

?????????????????

<u>Drafted by/</u> <u>Date</u>			<u>Checked by/</u> <u>Date</u>	<u>Agreed by/</u> <u>Date</u>
<u>Americas</u> <u>8 Dec 06</u>				
<u>Submitted to Hydro register manager</u>				<u>Date</u>
<u>Submitted to Nav register manager</u>				<u>Date</u>

GEO OBJECT CLASSES

Object Class: **Coastal Landforms**

Acronym: **coastl** Code: ?

Set Attribute A: catcst; DATEND; DATSTA; NOBJNM; OBJNAM; PEREND; PERSTA; RESTRN; STATUS;

Set Attribute B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

ADD DICTIONARY DEFINITON

References:

INT 1: ?????????
 M-3: Chapter C Section 2.2
 M-4: ?????????

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Remarks:

?????????????????

Distinction:

?????????????????

<u>Drafted by/</u> <u>Date</u>			<u>Checked by/</u> <u>Date</u>	<u>Agreed by/</u> <u>Date</u>
Americas 8 Dec 06				
<u>Submitted to Hydro register manager</u>				<u>Date</u>
<u>Submitted to Nav register manager</u>				<u>Date</u>

GEO OBJECT CLASSES

Object Class: **Volcanic Landforms**

Acronym: **vollan** Code: ?

Set Attribute A: catvol; DATEND; DATSTA; NOBJNM; OBJNAM; PEREND; PERSTA; RESTRN; STATUS;

Set Attribute B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

ADD DICTIONARY DEFINITON

References:

INT 1: ?????????
M-3: Chapter C Section 2.2
M-4: ?????????

????????????????

Remarks:

????????????????

Distinction:

????????????????

<u>Drafted by/ Date</u>			<u>Checked by/ Date</u>	<u>Agreed by/ Date</u>
<u>Americas 8 Dec 06</u>				
<u>Submitted to Hydro register manager</u>				<u>Date</u>
<u>Submitted to Nav register manager</u>				<u>Date</u>

GEO OBJECT CLASSES

Object Class: **Fluvial Landforms**

Acronym: **flulan** Code: ?

Set Attribute A: catflu; DATEND; DATSTA; NOBJNM; OBJNAM; PEREND; PERSTA; RESTRN; STATUS;

Set Attribute B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

ADD DICTIONARY DEFINITON

References:

INT 1: ?????????
 M-3: Chapter C Section 2.2
 M-4: ?????????

????????????????

Remarks:

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Distinction:

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<u>Drafted by/ Date</u>			<u>Checked by/ Date</u>	<u>Agreed by/ Date</u>
<u>Americas 8 Dec 06</u>				
<u>Submitted to Hydro register manager</u>				<u>Date</u>
<u>Submitted to Nav register manager</u>				<u>Date</u>

Blank Page

GEO OBJECT CLASSES

Object Class: Blank

Acronym: **fjweff**

Code: ?

Set Attribute_A: xxxxxx; DATEND; DATSTA; NOBJNM; OBJNAM; PEREND; PERSTA; RESTRN; STATUS;

Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

lsgöaigqogn

References:

INT 1: ??????????
M-3: Chapter C Section 2.2
M-4: ??????????

????????????????

Remarks:

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Distinction:

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Drafted by/ Date			Checked by/ Date	Agreed by/ Date
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date

Deleted Objects

GEO-OBJECT CLASSES

Object Class: **fire brigade**

Acronym: **firbrg** Code: ?

Set Attribute_A: OBJNAM, NOBJNM, catfbg

Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

A definition of various fire fighting services.

References:

INT 1: _____

M 4: _____

Remarks:

Checked by: SNPWG6

GEO OBJECT CLASSES

Object Class: **medical service**

Acronym: **medsrv**

Code: ?

Set Attribute_A: OBJNAM, NOBJNM, , catmct

Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

A definition of various medical services a port offers.

References:

INT 1: _____

M-4: _____

Remarks:

made by: Jens Schröder-Fürstenberg

1st check by:

final check by:

GEO OBJECT CLASSES

Object Class: **repair**

Acronym: **repair**

Code: ?

Set Attribute_A: OBJNAM, NOBJNM, catrep

Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

A definition of various types of repairs which can be carry out at harbour.

References:

INT 1: _____

M 4: _____

Remarks:

made by: Jens Schröder-Fürstenberg

1st check by:

final check by:

GEO OBJECT CLASSES

Object Class: **Technical service**

Acronym: **tecsrv**

Code: ?

Set Attribute_A: OBJNAM, NOBJNM, cattsv

Set Attribute_B: INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;

Set Attribute_C: RECDAT; RECIND; SORDAT; SORIND;

Definition:

A definition of various types of technical services offer by harbour authority or other services.

References:

INT 1: _____

M 4: _____

Remarks:

made by: Jens Schröder-Fürstenberg

1st check by:

final check by:

GEO OBJECT CLASSES

Object Class: ~~maximum~~ **Vessels dimension**

Acronym: **vsldim**

Code: ?

Set Attribute_A: ~~maxdrf, maxhig, maxlen, maxtng, maxwid~~; NOBJNM; OBJNAM

Set Attribute_B: ~~INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC~~;

Set Attribute_C: ~~RECDAT; RECIND; SORDAT; SORIND~~;

Definition:

Describing the allowed maximum dimensions of a vessel for certain areas. ~~(((this is not the best definition))))~~

References:

INT 1: _____

M 4: _____

Remarks:

Comments:

made by: Jens Schröder-Fürstenberg

1st check by:

final check by:

GEO-OBJECT CLASSES

Object Class: **Port area**

Acronym: **prtare** Code: ??

Set Attribute_A: ~~dvlpmt; medreg; NOBJNM; OBJNAM; popnbr; prtreg; STATUS; traffic;~~
~~trpfc; wkdywk; weimen; wearsk;~~

Set Attribute_B: ~~INFORM; NINFOM; NTXTDS; SCAMAX; SCAMIN; TXTDSC;~~

Set Attribute_C: ~~RECDAT; RECIND; SORDAT; SORIND;~~

Definition:

~~The sea and land areas surrounding ports in which there are services, facilities, and designated areas such as pilotage, storages yards, warehousing and outer anchorages, associated with shipping.~~

References:

Remarks:

~~No remarks.~~

Distinction:

~~deck area; harbour area (administrative);~~

Comment:

~~The two new attributes here have been proposed to provide amplifying information about Ports over and above the attributes needed for Soc_Pol items.
Definition amended to take into account discussion at Brest. HRBARE does not necessarily cover either outer anchorages or shore-side port facilities.~~

GEO OBJECT CLASSES

Object Class: **restrictions on vessels characteristic**

Acronym: **restvc**

Code: ?

Deleted: ??????

Set Attribute_A: **catcgo; catvsl; DATEND; DATSTA; maxair; maxbrd; maxdpl; maxdrf; maxdwt; maxgtn; maxlen; maxntn; mindpl; mindwt; mingtn; minlen; minntn; PEREND; PERSTA;**

Set Attribute_B: **INFORM; NINFOM;**

Set Attribute_C: **REGDAT; RECIND; SORDAT; SORIND;**

Definition:

Deleted: ¶

[The restrictions on a vessel.]

References:

- [INT 1: ????????????](#)
- [M 3: ????????????](#)
- [M 4: ????????????](#)

Remarks:

This object is used to describe the restrictions on the vessels using e.g. an anchorage or a berth.

Distinction:

No distinctions.

Deleted: ¶

Drafted by/ Date	Amended by/ Date	Amendment details	Checked by/ Date	Agreed by/ Date
Western/ before SNPWG-6	Jens 14.07.2006	is this not an information object class? according to the minutes it should be		
	DA 18.10.2006	Moved to information object; acronym;		
Submitted to Hydro register manager				Date
Submitted to Nav register manager				Date