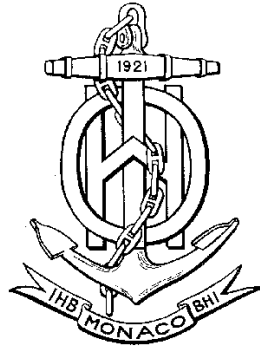**INTERNATIONAL HYDROGRAPHIC ORGANIZATION**



*Special Publication No. 52, Appendix 2*

*COLOUR & SYMBOL SPECIFICATIONS FOR ECDIS*

*Edition 4.2 – March 2004*

*and its Annex A*

*IHO ECDIS PRESENTATION LIBRARY*

*Edition 3.3 – March 2004*
*becoming*
*Edition 3.4 – January 2008 by application of this document*

**C & S MAINTENANCE DOCUMENT**

**Number 6 – January 2008**

**IMMEDIATE AMENDMENT 6**

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## Introduction

Amendments to S-52 Appendix 2 affect primarily the ECDIS manufacturers, though the mariners will benefit from the improvements made. The procedures for amending S-52 Appendix 2 include both immediate and deferred amendments. Definitions and procedures for these amendments are given in S-52 App.2 "Colour & Symbol Specifications for ECDIS" (C&S Specs), section 1.2.4.1, but are as follows:

An amendment in general may be of the following two different types:

- a deferred amendment may contain either:
    (a) clarifications and deferred correction items, or
    (b) extension items, which are distributed separately.

- an immediate amendment which contains only items to be applied urgently,

A deferred amendment is not included in any S-52 Appendix 2 document until the new edition which is identified as bringing the deferred amendments into force. However OEMs may apply such deferred amendments at any time after their publication and do not have to wait for the implementation date of the new edition.

An immediate amendment is issued only in exceptional cases. It applies solely to corrections and extensions which directly affect safety of navigation. Immediate amendments have to be implemented to ECDIS under production and in the field at the earliest opportunity. An immediate amendment to the C&S Specs or Presentation Library (PresLib) changes the Edition number. It applies only to corrections, which must not depend on any deferred amendment.

The item number of each amendment item gives the edition number of the C&S Specs or the PresLib to which the amendment item applies. This Edition number will change once an immediate amendment is applied, but does not change for a deferred amendment.

At the end of each immediate amendment, there is a reminder of the current Edition number after the amendment is applied.

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# S-52 APP. 2 – IMMEDIATE AMENDMENT 6

## December 2007

NOTES

1.      These amendments are intended to reflect the consequences of the adoption of revised ECDIS Performance Standard by IMO in 2006 to the chart presentation. The revised ECDIS Performance Standards of IMO itself will be set into force by 1. January 2009. However, the implementation of the immediate amendment included in this document allows compliance with the changed requirements as far as chart presentation matters affect in advance of this date.

**S-**      <u>CHANGE HISTORY OF S-52 APP.2 FROM CSMWG SPECS 4.0 → 4.2  AND PRESLIB 3.0→3.3 FROM 1997 TO 2007</u>

'MD' stands for IHO Maintenance Document; 'IA' stands for Immediate Amendment; and 'DA' stands for Deferred Amendment:

### Colours & Symbols Specifications (S-52 Appendix 2)

- Edition 4.0 (July 1997) + MD1 IA i01 → Edition 4.1 (January 1999)

- Edition 4.1 +  MD2 DA d02 +  MD4 DA d6 → Edition 4.2 (March 2004)

- Edition 4.2 + MD5 DA d7 → Edition 4.3 (January 2008)

### Presentation Library (Annex A to S-52 Appendix 2)

- Edition 3.0 (July 1997) + MD1 IA i01 → Edition 3.1 (January 1999)

- Edition 3.1 + MD 3 IA i04 → Edition 3.2 (May 2000)

- Edition 3.2 + MD2 DA d02 + MD3 DA d05 + MD4 DA d6 → Edition 3.3 (2004)

- Edition 3.3 + MD5 IA i5 + MD5 DA d7  + MD6 IA i6 → Edition 3.4 (2008)

- Digital versions:

  - PRSLIB03.dai (July 1997),
  - PSLB03_1.dai (December 1998),
  - PSLB03_2.dai (May 2000),
  - PSLB03_3.dai (March 2004),
  - PSLB03_4.dai (announced for January 2008)

- Temporary digital files: PSTY03_0.dai (June 1999), PSTY3_2b.dai (October 2001) (see amendment d05.cl.005)

- Paper based description of symbols:

  - Addendum to Part I, Users' Manual (2003)
  - Addendum to Part I, Users' Manual (2007)
  - Addendum to Part I, Users' Manual (announced for 2008), Edition 3.4

Edition 4.2 of the CSMWG Specs and Edition 3.3 of the Presentation Library (PresLib), issued in March 2004, brought all outstanding deferred amendments to Editions 4.1 of the CSMWG Specs (issued January 1999) and 3.2 of the PresLib (issued May 2000) into effect. Edition 4.3 of the CSMWG Specs does not contain substantial changes compared to the preceding version with the exception of the reference to Edition 3.4 of the PresLib, which was triggered by the introduction of new objects, object attributes and attribute values in S-57 Supplement No. 1, (Edition 3.1.1) issued in January 2007.

The grace periods from the issuing date of a new edition after which changes are required to be included in an ECDIS nominally are:

      - for new development                                      one year
      - for new selling (already type-approved before date of issue)    one year

As an exceptional case, Edition 3.4 of the PresLib itself is to be set in force in conjunction with the S-57 Supplement No. 1 by **1. January 2008** to meet IMO requirements for depiction of archipelagic sea lanes and particularly sensitive sea areas. In addition, this issue of the PresLib reflects the consequences of the adoption of the revised ECDIS Performance Standard by IMO in 2006 to the chart presentation. The revised ECDIS Performance Standards of IMO itself will be set into force by 1. January **2009**. However, the implementation of Edition 3.4 allows compliance with the changed requirements as far as chart presentation matters are affected, in advance of this date.

**Note that although this MD6 is published in December 2007 the first time, early announcements have been made to OEMs to implement this amendment in conjunction with MD5 until 1 January 2008.**

**Look-up table entries amendments and modifications which have been published in MD5 are grey shaded for reader's convenience.**

*Throughout this amendment changes to the CSMWG Specs. and the PresLib. are indicated by* ~~strikethrough~~ *text for deletions and* **bold text** *for additions.*

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<u>Item No.PL03.3.i6.co.1</u> Correction to PresLib Part 1 (Users' Manual); Sections 11 and 13.2
**Move of buoys and beacons from Display Base to Standard Display,**
**following IMO adoption of revised Performance Standards for ECDIS in December 2006**
**[Resolution MSC.232 (82) refers]**

## 11.     LOOK-UP TABLE LISTINGS

The Presentation Library provides five look-up tables:

> 1a.  paper chart point symbols (buoys and beacons are similar to the paper chart)
> 1b.  simplified point symbols (buoys and beacons are more prominent)
> 2.     line symbols
> 3a.  area symbols with plain boundaries (for general use)
> 3b.  area symbols with symbolized boundaries (for large scale display)

The ECDIS should provide all of these and make the options available to the mariner.

Some of the look-up table entries describe the presentation of mariners' navigational objects. Please see Part II of the PresLib for further details and definitions of mariners' navigational object classes.

See 8.3 for further explanation how to use the look-up tables.

## 11.1 Look-Up Table Listing for Object Type Point 'P'

## 11.1.1 Look-up Table for paper chart point symbolization

* \*\*\* PAPER CHART POINTS  \*\*\*
* \*\*\* This is the look-up table for point symbolization. \*\*\*
* ~~\*\*\* For edition 3.3 Preslib, dated March 2004   \*\*\*\*\*\*~~
* **\*\*\* For edition 3.4 Preslib, dated January 2008    \*\*\*\*\*\***
*
* Each line contains minimum 6 fields:
*  1. field - code of the object class
*  2. field - attribute combination
*  3. field - symbolization instruction
*  4. field - display priority
*  5. field - radar
*  6. field - IMO display category
*  7. field - viewing group (optional)
*
* Each field entry is framed by '"' and fields are separated by ','.
*
* Please note, that the entries to this table must be in
* alphabetic order (sorted by the class code).
*
* This table has 2 sections:
*
* - The first section contains symbolization instructions for
*   standard S-57 'real world' objects:
* - The second section contains symbolization instructions for
*   non-standard (class code in lowercase) objects:
*
* default for symbolization failure; must be the first entry to look-up table
"######","","SY(QUESMRK1)","5","O","STANDARD","21010"

```
*
* ***                    ***
* *** section one: REAL WORLD CLASSES ***
* ***                    ***
*
"ACHARE","","SY(ACHARE02)","6","O","STANDARD","26220"
"ACHBRT","","SY(ACHBRT07);TE('Nr %s','OBJNAM',3,1,2,'15110',1,0,CHBLK,29)","5","O","STANDARD","26220"
"AIRARE","","SY(AIRARE02)","4","O","OTHER","32240"
"BCNCAR","","SY(BCNGEN03);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNCAR","BCNSHP1","SY(BCNSTK02);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNCAR","BCNSHP3","SY(BCNTOW01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-2,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNCAR","BCNSHP4","SY(BCNLTC01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-2,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNCAR","BCNSHP5","SY(BCNGEN01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-2,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNCAR","BCNSHP7","SY(BCNGEN01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-2,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNISD","","SY(BCNGEN03);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNISD","BCNSHP1","SY(BCNSTK02);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNISD","BCNSHP3","SY(BCNTOW01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-2,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNISD","BCNSHP4","SY(BCNLTC01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-2,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNISD","BCNSHP5","SY(BCNGEN01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-2,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNISD","BCNSHP7","SY(BCNGEN01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-2,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","","SY(BCNGEN03);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","BCNSHP2CATLAM1","SY(PRICKE03);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","BCNSHP2CATLAM2","SY(PRICKE04);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","BCNSHP6CONVIS1","SY(CAIRNS11);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","BCNSHP1","SY(BCNSTK02);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","BCNSHP3","SY(BCNTOW01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-2,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","BCNSHP4","SY(BCNLTC01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-2,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","BCNSHP5","SY(BCNGEN01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-2,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","BCNSHP6","SY(CAIRNS01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","BCNSHP7","SY(BCNGEN01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-2,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSAW","","SY(BCNGEN03);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSAW","BCNSHP1","SY(BCNSTK02);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSAW","BCNSHP3","SY(BCNTOW01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-2,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSAW","BCNSHP4","SY(BCNLTC01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-2,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSAW","BCNSHP5","SY(BCNGEN01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-2,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSAW","BCNSHP7","SY(BCNGEN01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-2,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSPP","","SY(BCNGEN03);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSPP","BCNSHP6CONVIS1","SY(CAIRNS11);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSPP","CATSPM18","SY(NOTBRD11);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSPP","CATSPM44","SY(BCNGEN01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-2,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSPP","BCNSHP1","SY(BCNSTK02);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSPP","BCNSHP3","SY(BCNTOW01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-2,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSPP","BCNSHP4","SY(BCNLTC01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-2,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSPP","BCNSHP5","SY(BCNGEN01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-2,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSPP","BCNSHP6","SY(CAIRNS01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSPP","BCNSHP7","SY(BCNGEN01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-2,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BERTHS","","SY(BRTHNO01);TE('Nr %s','OBJNAM',3,1,2,'15110',1,0,CHBLK,29)","5","O","OTHER","32440"
```

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"BOYCAR","","SY(BOYGEN03);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYCAR","BOYSHP1","SY(BOYCON01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYCAR","BOYSHP2","SY(BOYCAN01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYCAR","BOYSHP3","SY(BOYSPH01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYCAR","BOYSHP4","SY(BOYPIL01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYCAR","BOYSHP5","SY(BOYSPR01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYCAR","BOYSHP6","SY(BOYBAR01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYCAR","BOYSHP7","SY(BOYSUP01);TE('by %s','OBJNAM',2,1,2,'15110',-2,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYCAR","BOYSHP8","SY(BOYSPR01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYINB","","SY(BOYINB01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYISD","","SY(BOYGEN03);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYISD","BOYSHP1","SY(BOYCON01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYISD","BOYSHP2","SY(BOYCAN01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYISD","BOYSHP3","SY(BOYSPH01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYISD","BOYSHP4","SY(BOYPIL01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYISD","BOYSHP5","SY(BOYSPR01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYISD","BOYSHP6","SY(BOYBAR01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYISD","BOYSHP7","SY(BOYSUP01);TE('by %s','OBJNAM',2,1,2,'15110',-2,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYISD","BOYSHP8","SY(BOYSPR01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYLAT","","SY(BOYGEN03);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYLAT","BOYSHP1","SY(BOYCON01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYLAT","BOYSHP2","SY(BOYCAN01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYLAT","BOYSHP3","SY(BOYSPH01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYLAT","BOYSHP4","SY(BOYPIL01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYLAT","BOYSHP5","SY(BOYSPR01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYLAT","BOYSHP6","SY(BOYBAR01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYLAT","BOYSHP7","SY(BOYSUP01);TE('by %s','OBJNAM',2,1,2,'15110',-2,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYLAT","BOYSHP8","SY(BOYSPR01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYSAW","","SY(BOYGEN03);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYSAW","BOYSHP3","SY(BOYSPH01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYSAW","BOYSHP4","SY(BOYPIL01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYSAW","BOYSHP5","SY(BOYSPR01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYSAW","BOYSHP6","SY(BOYBAR01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYSAW","BOYSHP7","SY(BOYSUP01);TE('by %s','OBJNAM',2,1,2,'15110',-2,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYSAW","BOYSHP8","SY(BOYSPR01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYSPP","","SY(BOYGEN03);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYSPP","CATSPM9","SY(BOYSUP01);TE('by %s','OBJNAM',2,1,2,'15110',-2,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYSPP","CATSPM15","SY(BOYSUP03);TE('by %s','OBJNAM',2,1,2,'15110',-2,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYSPP","BOYSHP1","SY(BOYCON01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYSPP","BOYSHP2","SY(BOYCAN01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYSPP","BOYSHP3","SY(BOYSPH01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYSPP","BOYSHP4","SY(BOYPIL01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYSPP","BOYSHP5","SY(BOYSPR01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYSPP","BOYSHP6","SY(BOYBAR01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYSPP","BOYSHP7","SY(BOYSUP01);TE('by %s','OBJNAM',2,1,2,'15110',-2,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BOYSPP","BOYSHP8","SY(BOYSPR01);TE('by %s','OBJNAM',2,1,2,'15110',-2,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ 27010"
"BRIDGE","","","","","",""
"BUAARE","","SY(BUAARE02);TX(OBJNAM,3,2,2,'15110',1,0,CHBLK,26)","3","O","STANDARD","22240"
"BUISGL","","SY(BUISGL01)","4","O","OTHER","32220"
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"BUISGL","FUNCTN33CONVIS1OBJNAM","SY(POSGEN03);TX(OBJNAM,3,2,2,'15110',1,0,CHBLK,26)","6","O","STANDARD","22220"
"BUISGL","FUNCTN20CONVIS1","SY(BUIREL13)","6","O","STANDARD","22220"
"BUISGL","FUNCTN21CONVIS1","SY(BUIREL13)","6","O","STANDARD","22220"
"BUISGL","FUNCTN22CONVIS1","SY(BUIREL14)","6","O","STANDARD","22220"
"BUISGL","FUNCTN23CONVIS1","SY(BUIREL14)","6","O","STANDARD","22220"
"BUISGL","FUNCTN24CONVIS1","SY(BUIREL14)","6","O","STANDARD","22220"
"BUISGL","FUNCTN25CONVIS1","SY(BUIREL14)","6","O","STANDARD","22220"
"BUISGL","FUNCTN26CONVIS1","SY(BUIREL15)","6","O","STANDARD","22220"
"BUISGL","FUNCTN27CONVIS1","SY(BUIREL15)","6","O","STANDARD","22220"
"BUISGL","FUNCTN33CONVIS1","SY(POSGEN03)","6","O","STANDARD","22220"
"BUISGL","FUNCTN35CONVIS1","SY(TNKCON12)","6","O","STANDARD","22220"
"BUISGL","FUNCTN33OBJNAM","SY(POSGEN03);TX(OBJNAM,3,2,2,'15110',1,0,CHBLK,26)","4","O","OTHER","32220"
"BUISGL","CONVIS1","SY(BUISGL11)","6","O","STANDARD","22220"
"BUISGL","FUNCTN20","SY(BUIREL01)","4","O","OTHER","32220"
"BUISGL","FUNCTN21","SY(BUIREL01)","4","O","OTHER","32220"
"BUISGL","FUNCTN22","SY(BUIREL04)","4","O","OTHER","32220"
"BUISGL","FUNCTN23","SY(BUIREL04)","4","O","OTHER","32220"
"BUISGL","FUNCTN24","SY(BUIREL04)","4","O","OTHER","32220"
"BUISGL","FUNCTN25","SY(BUIREL04)","4","O","OTHER","32220"
"BUISGL","FUNCTN26","SY(BUIREL05)","4","O","OTHER","32220"
"BUISGL","FUNCTN27","SY(BUIREL05)","4","O","OTHER","32220"
"BUISGL","FUNCTN33","SY(POSGEN03)","4","O","OTHER","32220"
"BUISGL","FUNCTN35","SY(TNKCON02)","4","O","OTHER","32220"
"CGUSTA","","SY(CGUSTA02)","7","O","OTHER","38030"
"CHKPNT","","","","","",""
"CRANES","","SY(CRANES01)","4","O","OTHER","32440"
"CTNARE","","SY(CHINFO06)","4","O","STANDARD","26050"
"CTRPNT","","SY(POSGEN04)","4","O","OTHER","32250"
"CTSARE","","SY(CHINFO07)","4","O","STANDARD","26250"
"CURENT","","","","","",""
"CURENT","ORIENTCURVEL","SY(CURENT01,ORIENT);TE('%4.1lf kn','CURVEL',3,1,2,'15110',1,-1,CHBLK,31)","5","O","OTHER","33060"
"CURENT","ORIENT","SY(CURENT01,ORIENT)","5","O","OTHER","33060"
"DAMCON","","","","","",""
"DAMCON","CATDAM3","SY(CHINFO06)","4","O","STANDARD","22010"
"DAYMAR","","SY(DAYSQR21);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","7","O","STANDARD","27025"
"DAYMAR","TOPSHP19","SY(DAYSQR21);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","7","O","STANDARD","27025"
"DAYMAR","TOPSHP20","SY(DAYSQR21);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","7","O","STANDARD","27025"
"DAYMAR","TOPSHP21","SY(DAYSQR21);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","7","O","STANDARD","27025"
"DAYMAR","TOPSHP24","SY(DAYTRI21);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","7","O","STANDARD","27025"
"DAYMAR","TOPSHP25","SY(DAYTRI25);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","7","O","STANDARD","27025"
"DISMAR","","SY(DISMAR03);TX(INFORM,2,1,2,'15110',2,0,CHBLK,21)","7","O","OTHER","32430"
"DISMAR","CATDIS1","SY(DISMAR04);TX(INFORM,2,1,2,'15110',2,0,CHBLK,21)","7","O","OTHER","32430"
"DMPGRD","","SY(CHINFO07)","4","O","STANDARD","26240"
"FOGSIG","","SY(FOGSIG01)","6","O","STANDARD","27080"
"FORSTC","","SY(FORSTC01)","4","O","OTHER","32220"
"FORSTC","CONVIS1","SY(FORSTC11)","4","O","STANDARD","22220"
"FSHFAC","","SY(FSHHAV01)","4","O","OTHER","34040"
"FSHFAC","CATFIF1","SY(FSHFAC03)","4","O","OTHER","34040"
"FSHFAC","CATFIF2","SY(FSHFAC02)","4","O","OTHER","34040"
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"FSHFAC","CATFIF3","SY(FSHFAC02)","4","O","OTHER","34040"
"FSHFAC","CATFIF4","SY(FSHFAC02)","4","O","OTHER","34040"
"GATCON","","SY(GATCON04)","8","O","STANDARD","22010"
"GATCON","CATGAT2","SY(GATCON04)","8","O","STANDARD","22010"
"GATCON","CATGAT3","SY(GATCON04)","8","O","OTHER","32440"
"GATCON","CATGAT4","SY(GATCON03)","8","O","OTHER","32440"
"GRIDRN","","","","","",""
"HRBFAC","","SY(CHINFO07)","4","O","OTHER","32410"
"HRBFAC","CATHAF1","SY(ROLROL01)","4","O","OTHER","32410"
"HRBFAC","CATHAF4","SY(HRBFAC09)","4","O","OTHER","32410"
"HRBFAC","CATHAF5","SY(SMCFAC02)","4","O","OTHER","32410"
"HULKES","","SY(HULKES01)","5","O","DISPLAYBASE","12410"
"ICNARE","","SY(CHINFO07)","4","O","STANDARD","26250"
"LIGHTS","","CS(LIGHTS05)","8","O","STANDARD","27070"
"LITFLT","","SY(LITFLT01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17010~~ **27010**"
"LITVES","","SY(LITVES01);TE('LtV %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17011~~ **27011**"
"LNDARE","","SY(LNDARE01); TX(OBJNAM,1,2,2,'15110',0,1,CHBLK,26);CS(QUAPOS01)","4","O","DISPLAYBASE","12010"
"LNDELV","","SY(POSGEN04);TE('%3.0lf m','ELEVAT',3,2,2,'15110',1,0,CHBLK,28)","4","O","OTHER","32010"
"LNDMRK","","SY(POSGEN01)","4","O","OTHER","32220"
"LNDMRK","CATLMK17FUNCTN33CONVIS1","SY(TOWERS03);TX(OBJNAM,3,2,2,'15110',1,-1,CHBLK,26)","6","O","STANDARD","22220"
"LNDMRK","CATLMK15FUNCTN20CONVIS1","SY(BUIREL13)","6","O","STANDARD","22220"
"LNDMRK","CATLMK15FUNCTN21CONVIS1","SY(BUIREL13)","6","O","STANDARD","22220"
"LNDMRK","CATLMK17FUNCTN20CONVIS1","SY(BUIREL13)","6","O","STANDARD","22220"
"LNDMRK","CATLMK17FUNCTN21CONVIS1","SY(BUIREL13)","6","O","STANDARD","22220"
"LNDMRK","CATLMK20FUNCTN20CONVIS1","SY(BUIREL13)","6","O","STANDARD","22220"
"LNDMRK","CATLMK20FUNCTN21CONVIS1","SY(BUIREL13)","6","O","STANDARD","22220"
"LNDMRK","CATLMK20FUNCTN26CONVIS1","SY(BUIREL15)","6","O","STANDARD","22220"
"LNDMRK","CATLMK20FUNCTN27CONVIS1","SY(BUIREL15)","6","O","STANDARD","22220"
"LNDMRK","CATLMK17FUNCTN33","SY(TOWERS01);TX(OBJNAM,3,2,2,'15110',1,-1,CHBLK,26)","4","O","OTHER","32220"
"LNDMRK","CATLMK1CONVIS1","SY(CAIRNS11)","6","O","STANDARD","22220"
"LNDMRK","CATLMK3CONVIS1","SY(CHIMNY11)","6","O","STANDARD","22220"
"LNDMRK","CATLMK4CONVIS1","SY(DSHAER11)","6","O","STANDARD","22220"
"LNDMRK","CATLMK5CONVIS1","SY(FLGSTF01)","6","O","STANDARD","22220"
"LNDMRK","CATLMK6CONVIS1","SY(FLASTK11)","6","O","STANDARD","22220"
"LNDMRK","CATLMK7CONVIS1","SY(MSTCON14)","6","O","STANDARD","22220"
"LNDMRK","CATLMK8CONVIS1","SY(POSGEN03)","6","O","STANDARD","22220"
"LNDMRK","CATLMK9CONVIS1","SY(MONUMT12)","6","O","STANDARD","22220"
"LNDMRK","CATLMK10CONVIS1","SY(MONUMT12)","6","O","STANDARD","22220"
"LNDMRK","CATLMK12CONVIS1","SY(MONUMT12)","6","O","STANDARD","22220"
"LNDMRK","CATLMK13CONVIS1","SY(MONUMT12)","6","O","STANDARD","22220"
"LNDMRK","CATLMK15CONVIS1","SY(DOMES011)","6","O","STANDARD","22220"
"LNDMRK","CATLMK16CONVIS1","SY(RASCAN11)","6","O","STANDARD","22220"
"LNDMRK","CATLMK17CONVIS1","SY(TOWERS03)","6","O","STANDARD","22220"
"LNDMRK","CATLMK18CONVIS1","SY(WNDMIL12)","6","O","STANDARD","22220"
"LNDMRK","CATLMK19CONVIS1","SY(WIMCON11)","6","O","STANDARD","22220"
"LNDMRK","CATLMK20CONVIS1","SY(POSGEN03)","6","O","STANDARD","22220"
"LNDMRK","CATLMK20FUNCTN20","SY(BUIREL01)","4","O","OTHER","32220"
"LNDMRK","CATLMK1","SY(CAIRNS01)","4","O","OTHER","32220"
"LNDMRK","CATLMK3","SY(CHIMNY01)","4","O","OTHER","32220"
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"LNDMRK","CATLMK4","SY(DSHAER01)","4","O","OTHER","32220"
"LNDMRK","CATLMK5","SY(FLGSTF01)","4","O","OTHER","32220"
"LNDMRK","CATLMK6","SY(FLASTK01)","4","O","OTHER","32220"
"LNDMRK","CATLMK7","SY(MSTCON04)","4","O","OTHER","32220"
"LNDMRK","CATLMK8","SY(POSGEN03)","4","O","OTHER","32220"
"LNDMRK","CATLMK9","SY(MONUMT02)","4","O","OTHER","32220"
"LNDMRK","CATLMK10","SY(MONUMT02)","4","O","OTHER","32220"
"LNDMRK","CATLMK12","SY(MONUMT02)","4","O","OTHER","32220"
"LNDMRK","CATLMK13","SY(MONUMT02)","4","O","OTHER","32220"
"LNDMRK","CATLMK15","SY(DOMES001)","4","O","OTHER","32220"
"LNDMRK","CATLMK16","SY(RASCAN01)","4","O","OTHER","32220"
"LNDMRK","CATLMK17","SY(TOWERS01)","4","O","OTHER","32220"
"LNDMRK","CATLMK18","SY(WNDMIL02)","4","O","OTHER","32220"
"LNDMRK","CATLMK19","SY(WIMCON01)","4","O","OTHER","32220"
"LNDMRK","CATLMK20","SY(POSGEN01)","4","O","OTHER","32220"
"LNDMRK","CONVIS1","SY(POSGEN03)","6","O","STANDARD","22220"
"LNDRGN","","SY(POSGEN04);TX(OBJNAM,1,2,2,'15110',0,-1,CHBLK,26)","4","O","STANDARD","21060"
"LOCMAG","","SY(LOCMAG01)","4","O","OTHER","31080"
"LOGPON","","SY(FLTHAZ02)","4","O","OTHER","34050"
"M_NPUB","","SY(CHINFO07)","4","O","OTHER","31020"
"MAGVAR","","SY(MAGVAR01);TX(VALMAG,3,1,2,'15110',1,-1,CHBLK,27)","4","O","OTHER","31080"
"MARCUL","","SY(MARCUL02)","4","O","STANDARD","26210"
"MIPARE","",'SY(CHINFO06)","4","O","STANDARD","26040"
"MORFAC","","SY(MORFAC03)","6","O","DISPLAYBASE","12410"
"MORFAC","CATMOR7BOYSHP3","SY(BOYMOR01)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17010~~ **27010**"
"MORFAC","CATMOR7BOYSHP6","SY(BOYMOR03)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17010~~ **27010**"
"MORFAC","CATMOR1","SY(MORFAC03)","6","O","DISPLAYBASE","12410"
"MORFAC","CATMOR2","SY(MORFAC04)","6","O","DISPLAYBASE","12410"
"MORFAC","CATMOR3","SY(PILPNT02)","6","O","OTHER","32440"
"MORFAC","CATMOR5","SY(PILPNT02)","6","O","DISPLAYBASE","12410"
"MORFAC","CATMOR7","SY(BOYMOR11)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17010~~ **27010**"
"NEWOBJ","","SY(NEWOBJ01)","6","S","STANDARD","21020"
"NEWOBJ","SYMINS","CS(SYMINS01)","6","S","STANDARD","21020"
"OBSTRN","","CS(OBSTRN06)","4","O","OTHER","34050"
"OBSTRN","CATOBS7VALSOU","SY(FOULGND1)","4","O","OTHER","34051"
"OBSTRN","CATOBS8VALSOU","SY(FLTHAZ02)","4","O","OTHER","34051"
"OBSTRN","CATOBS9VALSOU","SY(ACHARE02)","4","O","OTHER","34051"
"OBSTRN","CATOBS10VALSOU","SY(FLTHAZ02)","4","O","OTHER","34051"
"OBSTRN","CATOBS7","SY(FOULGND1)","4","O","OTHER","34050"
"OBSTRN","CATOBS8","SY(FLTHAZ02)","4","O","OTHER","34050"
"OBSTRN","CATOBS9","SY(ACHARE02)","4","O","OTHER","34050"
"OBSTRN","CATOBS10","SY(FLTHAZ02)","4","O","OTHER","34050"
"OBSTRN","WATLEV7","SY(FLTHAZ02)","4","O","DISPLAYBASE","12410"
"OFSPLF","","SY(OFSPLF01);TE('Prod %s','OBJNAM',3,1,2,'15110',1,-1,CHBLK,21)","5","O","DISPLAYBASE","12210"
"PILBOP","","SY(PILBOP02);TE('Plt %s','OBJNAM',3,1,2,'15110',1,-1,CHBLK,21)","6","O","STANDARD","28010"
"PILPNT","","SY(PILPNT02)","5","O","DISPLAYBASE","12410"
"PIPARE","","SY(CHINFO07)","4","O","STANDARD","26230"
"PIPSOL","","","","","",""
"PRCARE","","SY(PRCARE12)","5","O","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
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"PRDARE","","","","","",""
"PRDARE","CATPRA5CONVIS1","SY(FLASTK11)","4","O","STANDARD","22220"
"PRDARE","CATPRA8CONVIS1","SY(TNKCON12)","4","O","STANDARD","22220"
"PRDARE","CATPRA9CONVIS1","SY(WIMCON11)","4","O","STANDARD","22220"
"PRDARE","CATPRA1","SY(PRDINS02)","3","O","OTHER","32270"
"PRDARE","CATPRA5","SY(FLASTK01)","3","O","OTHER","32270"
"PRDARE","CATPRA6","SY(TMBYRD01)","3","O","OTHER","32270"
"PRDARE","CATPRA8","SY(TNKCON02)","3","O","OTHER","32270"
"PRDARE","CATPRA9","SY(WIMCON01)","3","O","OTHER","32270"
"PYLONS","","SY(POSGEN03)","8","O","DISPLAYBASE","12210"
"RADRFL","","SY(RADRFL03)","6","O","STANDARD","27230"
"RADSTA","","SY(POSGEN01)","5","O","OTHER","38010"
"RADSTA","CATRAS2","SY(RDOSTA02);TE('ch %s','COMCHA',3,1,2,'15110',0,0,CHBLK,11)","5","O","OTHER","38010"
"RAPIDS","","","","","",""
"RCTLPT","","SY(RTLDEF51)","4","O","~~DISPLAYBASE~~**STANDARD**","~~15020~~**25020**"
"RCTLPT","ORIENT","SY(RCTLPT52,ORIENT)","4","O","~~DISPLAYBASE~~**STANDARD**","~~15020~~**25020**"
"RDOCAL","","SY(RCLDEF01);TE('Nr %s','OBJNAM',3,2,2,'15110',1,-1,CHBLK,21)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15060~~**25060**"
"RDOCAL","TRAFIC1ORIENT","SY(RDOCAL02,ORIENT);TE('Nr %s','OBJNAM',3,1,2,'15110',1,-1,CHBLK,21);TE('ch %s','COMCHA',3,1,2,'15110',1,1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15060~~**25060**"
"RDOCAL","TRAFIC2ORIENT","SY(RDOCAL02,ORIENT);TE('Nr %s','OBJNAM',3,1,2,'15110',1,-1,CHBLK,21);TE('ch %s','COMCHA',3,1,2,'15110',1,1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15060~~**25060**"
"RDOCAL","TRAFIC3ORIENT","SY(RDOCAL02,ORIENT);TE('Nr %s','OBJNAM',3,1,2,'15110',1,-1,CHBLK,21);TE('ch %s','COMCHA',3,1,2,'15110',1,1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15060~~**25060**"
"RDOCAL","TRAFIC4ORIENT","SY(RDOCAL03,ORIENT);TE('Nr %s','OBJNAM',3,1,2,'15110',1,-1,CHBLK,21);TE('ch %s','COMCHA',3,1,2,'15110',1,1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15060~~**25060**"
"RDOSTA","","SY(RDOSTA02)","4","O","OTHER","38010"
"RDOSTA","CATROS10","SY(DGPS01)","4","O","OTHER","38010"
"RETRFL","","SY(RETRFL01)","6","O","STANDARD","27080"
"ROADWY","","","","","",""
"RSCSTA","","SY(RSCSTA02)","7","O","OTHER","38030"
"RTPBCN","","SY(RTPBCN02)","6","O","STANDARD","27210"
"RUNWAY","","","","","",""
"SBDARE","","TX(NATSUR,1,2,2,'15110',0,0,CHBLK,25)","4","O","OTHER","34010"
"SEAARE","","TX(OBJNAM,1,2,3,'15110',0,0,CHBLK,26)","3","S","STANDARD","21060"
"SILTNK","","SY(TNKCON02)","4","O","OTHER","32220"
"SILTNK","CATSIL1CONVIS1","SY(SILBUI11)","4","O","STANDARD","22220"
"SILTNK","CATSIL2CONVIS1","SY(TNKCON12)","4","O","STANDARD","22220"
"SILTNK","CATSIL3CONVIS1","SY(TOWERS03)","4","O","STANDARD","22220"
"SILTNK","CATSIL4CONVIS1","SY(TOWERS12)","4","O","STANDARD","22220"
"SILTNK","CONVIS1","SY(TNKCON12)","4","O","STANDARD","22220"
"SILTNK","CATSIL1","SY(SILBUI01)","4","O","OTHER","32220"
"SILTNK","CATSIL2","SY(TNKCON02)","4","O","OTHER","32220"
"SILTNK","CATSIL3","SY(TOWERS01)","4","O","OTHER","32220"
"SILTNK","CATSIL4","SY(TOWERS02)","4","O","OTHER","32220"
"SISTAT","","SY(SISTAT02)","7","O","STANDARD","28020"
"SISTAW","","SY(SISTAT02)","7","O","STANDARD","28020"
"SLCONS","","SY(MORFAC03);CS(SLCONS03)","8","O","DISPLAYBASE","12410"
"SLOGRD","","SY(HILTOP01)","3","S","OTHER","32010"
"SLOTOP","","SY(HILTOP01)","3","S","OTHER","32010"

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"SLOTOP","CONVIS1","SY(HILLTOP11)","3","S","STANDARD","22220"
"SMCFAC","","","","","",""
"SNDWAV","","SY(SNDWAV02)","4","O","STANDARD","24010"
"SOUNDG","","CS(SOUNDG02)","6","O","OTHER","33010"
"SPLARE","","SY(CHINFO06)","4","O","STANDARD","26040"
"SPRING","","SY(SPRING02)","4","O","OTHER","34020"
"T_HMON","","SY(TIDEHT01)","4","O","OTHER","33050"
"T_NHMN","","SY(TIDEHT01)","4","O","OTHER","33050"
"T_TIMS","","SY(TIDEHT01)","4","O","OTHER","33050"
"TS_FEB","","SY(CURDEF01)","4","O","OTHER","33060"
"TS_FEB","CAT_TS1ORIENT","SY(FLDSTR01,ORIENT);TE('%4.1lf kn','CURVEL',3,1,2,'15110',1,-1,CHBLK,31)","4","O","OTHER","33060"
"TS_FEB","CAT_TS2ORIENT","SY(EBBSTR01,ORIENT);TE('%4.1lf kn','CURVEL',3,1,2,'15110',1,-1,CHBLK,31)","4","O","OTHER","33060"
"TS_FEB","CAT_TS3ORIENT","SY(CURENT01,ORIENT);TE('%4.1lf kn','CURVEL',3,1,2,'15110',1,-1,CHBLK,31)","4","O","OTHER","33060"
"TS_PAD","","SY(TIDSTR01)","4","O","OTHER","33060"
"TS_PNH","","SY(TIDSTR01)","4","O","OTHER","33060"
"TS_PRH","","SY(TIDSTR01)","4","O","OTHER","33060"
"TS_TIS","","SY(TIDSTR01)","4","O","OTHER","33060"
"TOPMAR","","CS(TOPMAR01)","6","O","STANDARD","27050"
"TUNNEL","","","","","",""
"UWTROC","","CS(OBSTRN06)","4","O","OTHER","34050"
"VEGATN","","","","","",""
"WATFAL","","","","","",""
"WATTUR","","SY(WATTUR02)","3","O","OTHER","33040"
"WEDKLP","","SY(WEDKLP03)","3","O","OTHER","34020"
"WRECKS","","CS(WRECKS04)","4","O","OTHER","34050"
"WRECKS","CATWRK3VALSOU","SY(FOULGND1)","4","O","OTHER","34051"
"WRECKS","CATWRK3","SY(FOULGND1)","4","O","OTHER","34050"
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* ***                              ***
* *** section two: NON-STANDARD CLASSES ***
* ***                              ***
*
*Note: category "DISPLAYBASE" should not be removed from the display.
*For non-standard classes, all category "MARINERS STANDARD" and "MARINERS OTHER"
*should be drawn when "STANDARD DISPLAY" is drawn, and thereafter may be re-assigned
*to the category of choosen by the mariner.
*
"cursor","","SY(CURSRA01)","8","O","DISPLAYBASE","11010"
"cursor","cursty2","SY(CURSRB01)","8","O","MARINERS OTHER","61040"
"dnghlt","","SY(DNGHILIT)","8","O","MARINERS STANDARD","53010"
"events","","SY(EVENTS03);TX(OBJNAM,3,2,3,'15110',1,0,CHBLK,50)","8","O","MARINERS STANDARD","52410"
"marfea","","SY(CHINFO09);TX(OBJNAM,3,1,3,'15110',1,-1,CHBLK,50)","8","O","MARINERS STANDARD","53050"
"marnot","","SY(CHINFO09);TX(usrmrk,3,1,2,'15110',0,0,CHBLK,50)","8","O","MARINERS STANDARD","53040"
"marnot","catnot1","SY(CHINFO08);TX(usrmrk,3,1,2,'15110',0,0,CHBLK,50)","8","O","MARINERS STANDARD","53030"
"marnot","catnot2","SY(CHINFO09);TX(usrmrk,3,1,2,'15110',0,0,CHBLK,50)","8","O","MARINERS STANDARD","53040"
"mnufea","","SY(CHINFO10)","5","O","MARINERS STANDARD","55010"
```

"mnufea","catnot1","SY(CHINFO10)","5","O","MARINERS STANDARD","55010"
"mnufea","catnot2","SY(CHINFO11)","5","O","MARINERS STANDARD","55020"
"ownshp","","CS(OWNSHP02)","9","O","DISPLAYBASE","42010"
"plnpos","","SY(PLNPOS01);SY(PLNPOS02,ORIENT);TX(plndat,1,2,2,'15110',4,3,CHBLK,50);","5","O","MARINERS STANDARD","52030"
"positn","","SY(POSITN02);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth1","SY(POSITN02);TX('DR',2,3,2,'15110',-1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth2","SY(POSITN02);TX('EP',2,3,2,'15110',-1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth3","SY(POSITN02);TX('V',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth4","SY(POSITN02);TX('A',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth5","SY(POSITN02);TX('R',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth6","SY(POSITN02);TX('D',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth7","SY(POSITN02);TX('G',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth8","SY(POSITN02);TX('Gl',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth9","SY(POSITN02);TX('L',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth10","SY(POSITN02);TX('M',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth11","SY(POSITN02);TX('O',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth12","SY(POSITN02);TX('T',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth13","SY(POSITN02);TX('dG',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth14","SY(POSITN02);TX('dGl',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth15","SY(POSITN02);TX('dO',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"refpnt","","SY(REFPNT02)","7","O","MARINERS OTHER","61050"
"tidcur","","SY(TIDCUR01,ORIENT);SY(TIDCUR03);TX(curstr,2,3,2,'15110',-1,2,CHBLK,50);TX(loctim,3,1,2,'15110',1,-2,CHBLK,50)","7","O","MARINERS STANDARD","53080"
"tidcur","catcur1","SY(TIDCUR01,ORIENT);SY(TIDCUR03);TX('P',2,3,2,'15110',-4,2,CHBLK,50);TX(curstr,2,3,2,'15110',-1,2,CHBLK,50);TX(loctim,3,1,2,'15110',1,-2,CHBLK,50)","7","O","MARINERS STANDARD","53080"
"tidcur","catcur2","SY(TIDCUR02,ORIENT);SY(TIDCUR03);TX('A',2,3,2,'15110',-4,2,CHBLK,50);TX(curstr,2,3,2,'15110',-1,2,CHBLK,50);TX(loctim,3,1,2,'15110',1,-2,CHBLK,50)","7","O","MARINERS STANDARD","53080"
"vessel","","CS(VESSEL02)","9","O","MARINERS STANDARD","54030"
"waypnt","","SY(WAYPNT01);TX(OBJNAM,3,1,3,'15110',1,-1,APLRT,50)","8","O","DISPLAYBASE","42210"
"waypnt","select1","SY(WAYPNT01);TX(OBJNAM,3,1,3,'15110',1,-1,CHBLK,50)","8","O","DISPLAYBASE","42210"
"waypnt","select2","SY(WAYPNT03);TX(OBJNAM,3,1,3,'15110',1,-1,APLRT,50)","8","O","MARINERS STANDARD","52210"
*
* ***                       ***
* *** end of look-up table ***
* ***                       ***


## 11.1.2     Look-up Table for simplified point symbolisation


* *** SIMPLIFIED POINTS                          ***
* *** This is the look-up table for point symbolization. ***
* *** For edition 3.3 Preslib, dated March 2004    ******
* *** **For edition 3.4 Preslib, dated January 2008     ********
*
* Each line contains minimum 6 fields:
*  1. field - code of the object class

* 2. field - attribute combination
* 3. field - symbolization instruction
* 4. field - display priority
* 5. field - radar
* 6. field - IMO display category
* 7. field - viewing group (optional)
*
* Each field entry is framed by '"' and fields are separated by ','.
*
* Please note, that the entries to this table must be in
* alphabetic order (sorted by the class code).
*
* This table has 2 sections:
*
* - The first section contains symbolization instructions for
*   standard S-57 'real world' objects:
* - The second section contains symbolization instructions for
*   non-standard (class code in lowercase) objects:
*
* default for symbolization failure; must be the first entry to look-up table
"#####","","SY(QUESMRK1)","5","O","STANDARD","21010"
*
* ***                        ***
* *** section one: REAL WORLD CLASSES ***
* ***                        ***
*
"ACHARE","","SY(ACHARE02)","6","O","STANDARD","26220"
"ACHBRT","","SY(ACHBRT07);TE('Nr %s','OBJNAM',3,1,2,'15110',1,0,CHBLK,29)","5","O","STANDARD","26220"
"AIRARE","","SY(AIRARE02)","4","O","OTHER","32240"
"BCNCAR","","SY(BCNDEF13);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNCAR","CATCAM4","SY(BCNCAR04);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNCAR","CATCAM3","SY(BCNCAR03);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNCAR","CATCAM2","SY(BCNCAR02);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNCAR","CATCAM1","SY(BCNCAR01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNISD","","SY(BCNISD21);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","","SY(BCNDEF13);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR3,4,3BCNSHP1","SY(BCNLAT21);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR3,4,3BCNSHP2","SY(BCNLAT21);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR3,4,3BCNSHP7","SY(BCNLAT21);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR4,3,4BCNSHP1","SY(BCNLAT22);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR4,3,4BCNSHP2","SY(BCNLAT22);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR4,3,4BCNSHP7","SY(BCNLAT22);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"

"BCNLAT","COLOUR3,4,3BCNSHP3","SY(BCNLAT15);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR3,4,3BCNSHP4","SY(BCNLAT15);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR3,4,3BCNSHP5","SY(BCNLAT15);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR4,3,4BCNSHP3","SY(BCNLAT16);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR4,3,4BCNSHP4","SY(BCNLAT16);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR4,3,4BCNSHP5","SY(BCNLAT16);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR3,4,3","SY(BCNLAT15);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR4,3,4","SY(BCNLAT16);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR3BCNSHP1","SY(BCNLAT21);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR3BCNSHP2","SY(BCNLAT21);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR3BCNSHP7","SY(BCNLAT21);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR4BCNSHP1","SY(BCNLAT22);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR4BCNSHP2","SY(BCNLAT22);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR4BCNSHP7","SY(BCNLAT22);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR3BCNSHP3","SY(BCNLAT15);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR3BCNSHP4","SY(BCNLAT15);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR3BCNSHP5","SY(BCNLAT15);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR4BCNSHP3","SY(BCNLAT16);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR4BCNSHP4","SY(BCNLAT16);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR4BCNSHP5","SY(BCNLAT16);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","BCNSHP6CONVIS1","SY(CAIRNS11);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","BCNSHP6","SY(CAIRNS01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR3","SY(BCNLAT15);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNLAT","COLOUR4","SY(BCNLAT16);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSAW","","SY(BCNSAW13);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSAW","BCNSHP1","SY(BCNSAW21);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSAW","BCNSHP2","SY(BCNSAW21);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSAW","BCNSHP7","SY(BCNSAW21);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSAW","BCNSHP3","SY(BCNSAW13);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSAW","BCNSHP4","SY(BCNSAW13);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSAW","BCNSHP5","SY(BCNSAW13);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSPP","","SY(BCNSPP21);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSPP","BCNSHP6CONVIS1","SY(CAIRNS11);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSPP","CATSPM18","SY(NOTBRD11);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSPP","CATSPM44","SY(BCNSPP13);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSPP","BCNSHP1","SY(BCNSPP21);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSPP","BCNSHP3","SY(BCNSPP13);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSPP","BCNSHP4","SY(BCNSPP13);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSPP","BCNSHP5","SY(BCNSPP13);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSPP","BCNSHP6","SY(CAIRNS01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BCNSPP","BCNSHP7","SY(BCNSPP21);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17020~~ **27020**"
"BERTHS","","SY(BRTHNO01);TE('Nr %s','OBJNAM',3,1,2,'15110',1,0,CHBLK,29)","5","O","OTHER","32440"
"BOYCAR","","SY(BOYDEF03);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17010~~ **27010**"
"BOYCAR","CATCAM4","SY(BOYCAR04);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17010~~ **27010**"
"BOYCAR","CATCAM3","SY(BOYCAR03);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17010~~ **27010**"
"BOYCAR","CATCAM2","SY(BOYCAR02);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17010~~ **27010**"
"BOYCAR","CATCAM1","SY(BOYCAR01);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17010~~ **27010**"
"BOYINB","","SY(BOYMOR11);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17010~~ **27010**"
"BOYISD","","SY(BOYISD12);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17010~~ **27010**"

"BOYLAT","","SY(BOYDEF03);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYLAT","BOYSHP1COLOUR3,4,3","SY(BOYLAT14);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYLAT","BOYSHP1COLOUR4,3,4","SY(BOYLAT13);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYLAT","BOYSHP2COLOUR3,4,3","SY(BOYLAT24);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYLAT","BOYSHP2COLOUR4,3,4","SY(BOYLAT23);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYLAT","CATLAM3COLOUR3,4,3","SY(BOYLAT24);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYLAT","CATLAM3COLOUR4,3,4","SY(BOYLAT23);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYLAT","CATLAM4COLOUR3,4,3","SY(BOYLAT14);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYLAT","CATLAM4COLOUR4,3,4","SY(BOYLAT13);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYLAT","BOYSHP1COLOUR3","SY(BOYLAT14);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYLAT","BOYSHP1COLOUR4","SY(BOYLAT13);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYLAT","BOYSHP2COLOUR3","SY(BOYLAT24);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYLAT","BOYSHP2COLOUR4","SY(BOYLAT23);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYLAT","CATLAM1COLOUR3","SY(BOYLAT24);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYLAT","CATLAM1COLOUR4","SY(BOYLAT23);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYLAT","CATLAM2COLOUR3","SY(BOYLAT14);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYLAT","CATLAM2COLOUR4","SY(BOYLAT13);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYSAW","","SY(BOYSAW12);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYSPP","","SY(BOYSPP11);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYSPP","CATSPM19BOYSHP1","SY(BOYSPP15);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYSPP","CATSPM19BOYSHP2","SY(BOYSPP25);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYSPP","CATSPM54BOYSHP1","SY(BOYSPP15);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYSPP","CATSPM54BOYSHP2","SY(BOYSPP25);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYSPP","CATSPM54BOYSHP4","SY(BOYSPP35);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYSPP","CATSPM54BOYSHP5","SY(BOYSPP35);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYSPP","CATSPM9","SY(BOYSUP02);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYSPP","CATSPM15","SY(BOYSUP02);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYSPP","BOYSHP1","SY(BOYSPP15);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYSPP","BOYSHP2","SY(BOYSPP25);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYSPP","BOYSHP3","SY(BOYSPP11);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYSPP","BOYSHP4","SY(BOYSPP35);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYSPP","BOYSHP5","SY(BOYSPP35);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYSPP","BOYSHP6","SY(BOYSPP11);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYSPP","BOYSHP7","SY(BOYSUP02);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BOYSPP","BOYSHP8","SY(BOYSPP35);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~STANDARD","~~17010~~ **27010**"
"BRIDGE","","","","","",""
"BUAARE","","SY(BUAARE02);TX(OBJNAM,3,2,2,'15110',1,0,CHBLK,26)","3","O","STANDARD","22240"
"BUISGL","","SY(BUISGL01)","4","O","OTHER","32220"
"BUISGL","FUNCTN33CONVIS1OBJNAM","SY(POSGEN03);TX(OBJNAM,3,2,2,'15110',1,0,CHBLK,26)","6","O","STANDARD","22220"
"BUISGL","FUNCTN20CONVIS1","SY(BUIREL13)","6","O","STANDARD","22220"
"BUISGL","FUNCTN21CONVIS1","SY(BUIREL13)","6","O","STANDARD","22220"
"BUISGL","FUNCTN22CONVIS1","SY(BUIREL14)","6","O","STANDARD","22220"
"BUISGL","FUNCTN23CONVIS1","SY(BUIREL14)","6","O","STANDARD","22220"
"BUISGL","FUNCTN24CONVIS1","SY(BUIREL14)","6","O","STANDARD","22220"
"BUISGL","FUNCTN25CONVIS1","SY(BUIREL14)","6","O","STANDARD","22220"
"BUISGL","FUNCTN26CONVIS1","SY(BUIREL15)","6","O","STANDARD","22220"
"BUISGL","FUNCTN27CONVIS1","SY(BUIREL15)","6","O","STANDARD","22220"
"BUISGL","FUNCTN33CONVIS1","SY(POSGEN03)","6","O","STANDARD","22220"
"BUISGL","FUNCTN35CONVIS1","SY(TNKCON12)","6","O","STANDARD","22220"

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"BUISGL","FUNCTN33OBJNAM","SY(POSGEN03);TX(OBJNAM,3,2,2,'15110',1,0,CHBLK,26)","4","O","OTHER","32220"
"BUISGL","CONVIS1","SY(BUISGL11)","6","O","STANDARD","22220"
"BUISGL","FUNCTN20","SY(BUIREL01)","4","O","OTHER","32220"
"BUISGL","FUNCTN21","SY(BUIREL01)","4","O","OTHER","32220"
"BUISGL","FUNCTN22","SY(BUIREL04)","4","O","OTHER","32220"
"BUISGL","FUNCTN23","SY(BUIREL04)","4","O","OTHER","32220"
"BUISGL","FUNCTN24","SY(BUIREL04)","4","O","OTHER","32220"
"BUISGL","FUNCTN25","SY(BUIREL04)","4","O","OTHER","32220"
"BUISGL","FUNCTN26","SY(BUIREL05)","4","O","OTHER","32220"
"BUISGL","FUNCTN27","SY(BUIREL05)","4","O","OTHER","32220"
"BUISGL","FUNCTN33","SY(POSGEN03)","4","O","OTHER","32220"
"BUISGL","FUNCTN35","SY(TNKCON02)","4","O","OTHER","32220"
"CGUSTA","","SY(CGUSTA02)","7","O","OTHER","38030"
"CHKPNT","","","","","",""
"CRANES","","SY(CRANES01)","4","O","OTHER","32440"
"CTNARE","","SY(CHINFO06)","4","O","STANDARD","26050"
"CTRPNT","","SY(POSGEN04)","4","O","OTHER","32250"
"CTSARE","","SY(CHINFO07)","4","O","STANDARD","26250"
"CURENT","","","","","",""
"CURENT","ORIENTCURVEL","SY(CURENT01,ORIENT);TE('%4.1lf kn','CURVEL',3,1,2,'15110',1,-1,CHBLK,31)","5","O","OTHER","33060"
"CURENT","ORIENT","SY(CURENT01,ORIENT)","5","O","OTHER","33060"
"DAMCON","","","","","",""
"DAMCON","CATDAM3","SY(CHINFO06)","4","O","STANDARD","22010"
"DAYMAR","","SY(DAYSQR01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","7","O","STANDARD","27025"
"DAYMAR","TOPSHP19","SY(DAYSQR01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","7","O","STANDARD","27025"
"DAYMAR","TOPSHP20","SY(DAYSQR01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","7","O","STANDARD","27025"
"DAYMAR","TOPSHP21","SY(DAYSQR01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","7","O","STANDARD","27025"
"DAYMAR","TOPSHP24","SY(DAYTRI01);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","7","O","STANDARD","27025"
"DAYMAR","TOPSHP25","SY(DAYTRI05);TE('bn %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","7","O","STANDARD","27025"
"DISMAR","","SY(DISMAR03);TX(INFORM,2,1,2,'15110',2,0,CHBLK,21)","7","O","OTHER","32430"
"DISMAR","CATDIS1","SY(DISMAR04);TX(INFORM,2,1,2,'15110',2,0,CHBLK,21)","7","O","OTHER","32430"
"DMPGRD","","SY(CHINFO07)","4","O","STANDARD","26240"
"FOGSIG","","SY(FOGSIG01)","6","O","STANDARD","27080"
"FORSTC","","SY(FORSTC01)","4","O","OTHER","32220"
"FORSTC","CONVIS1","SY(FORSTC11)","4","O","STANDARD","22220"
"FSHFAC","","SY(FSHHAV01)","4","O","OTHER","34040"
"FSHFAC","CATFIF1","SY(FSHFAC03)","4","O","OTHER","34040"
"FSHFAC","CATFIF2","SY(FSHFAC02)","4","O","OTHER","34040"
"FSHFAC","CATFIF3","SY(FSHFAC02)","4","O","OTHER","34040"
"FSHFAC","CATFIF4","SY(FSHFAC02)","4","O","OTHER","34040"
"GATCON","","SY(GATCON04)","8","O","STANDARD","22010"
"GATCON","CATGAT2","SY(GATCON04)","8","O","STANDARD","22010"
"GATCON","CATGAT3","SY(GATCON04)","8","O","OTHER","32440"
"GATCON","CATGAT4","SY(GATCON03)","8","O","OTHER","32440"
"GRIDRN","","","","","",""
"HRBFAC","","SY(CHINFO07)","4","O","OTHER","32410"
"HRBFAC","CATHAF1","SY(ROLROL01)","4","O","OTHER","32410"
"HRBFAC","CATHAF4","SY(HRBFAC09)","4","O","OTHER","32410"
"HRBFAC","CATHAF5","SY(SMCFAC02)","4","O","OTHER","32410"
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"HULKES","","SY(HULKES01)","5","O","DISPLAYBASE","12410"
"ICNARE","","SY(CHINFO07)","4","O","STANDARD","26250"
"LIGHTS","","CS(LIGHTS05)","8","O","STANDARD","27070"
"LITFLT","","SY(LITFLT02);TE('by %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17010~~ **27010**"
"LITVES","","SY(LITVES02);TE('LtV %s','OBJNAM',2,1,2,'15110',-1,-1,CHBLK,21)","8","O","~~DISPLAYBASE~~**STANDARD**","~~17011~~ **27011**"
"LNDARE","","SY(LNDARE01); TX(OBJNAM,1,2,2,'15110',0,1,CHBLK,26);CS(QUAPOS01)","4","O","DISPLAYBASE","12010"
"LNDELV","","SY(POSGEN04);TE('%3.0lf m','ELEVAT',3,2,2,'15110',1,0,CHBLK,28)","4","O","OTHER","32010"
"LNDMRK","","SY(POSGEN01)","4","O","OTHER","32220"
"LNDMRK","CATLMK17FUNCTN33CONVIS1","SY(TOWERS03);TX(OBJNAM,3,2,2,'15110',1,-1,CHBLK,26)","6","O","STANDARD","22220"
"LNDMRK","CATLMK15FUNCTN20CONVIS1","SY(BUIREL13)","6","O","STANDARD","22220"
"LNDMRK","CATLMK15FUNCTN21CONVIS1","SY(BUIREL13)","6","O","STANDARD","22220"
"LNDMRK","CATLMK17FUNCTN20CONVIS1","SY(BUIREL13)","6","O","STANDARD","22220"
"LNDMRK","CATLMK17FUNCTN21CONVIS1","SY(BUIREL13)","6","O","STANDARD","22220"
"LNDMRK","CATLMK20FUNCTN20CONVIS1","SY(BUIREL13)","6","O","STANDARD","22220"
"LNDMRK","CATLMK20FUNCTN21CONVIS1","SY(BUIREL13)","6","O","STANDARD","22220"
"LNDMRK","CATLMK20FUNCTN26CONVIS1","SY(BUIREL15)","6","O","STANDARD","22220"
"LNDMRK","CATLMK20FUNCTN27CONVIS1","SY(BUIREL15)","6","O","STANDARD","22220"
"LNDMRK","CATLMK17FUNCTN33","SY(TOWERS01);TX(OBJNAM,3,2,2,'15110',1,-1,CHBLK,26)","4","O","OTHER","32220"
"LNDMRK","CATLMK1CONVIS1","SY(CAIRNS11)","6","O","STANDARD","22220"
"LNDMRK","CATLMK3CONVIS1","SY(CHIMNY11)","6","O","STANDARD","22220"
"LNDMRK","CATLMK4CONVIS1","SY(DSHAER11)","6","O","STANDARD","22220"
"LNDMRK","CATLMK5CONVIS1","SY(FLGSTF01)","6","O","STANDARD","22220"
"LNDMRK","CATLMK6CONVIS1","SY(FLASTK11)","6","O","STANDARD","22220"
"LNDMRK","CATLMK7CONVIS1","SY(MSTCON14)","6","O","STANDARD","22220"
"LNDMRK","CATLMK8CONVIS1","SY(POSGEN03)","6","O","STANDARD","22220"
"LNDMRK","CATLMK9CONVIS1","SY(MONUMT12)","6","O","STANDARD","22220"
"LNDMRK","CATLMK10CONVIS1","SY(MONUMT12)","6","O","STANDARD","22220"
"LNDMRK","CATLMK12CONVIS1","SY(MONUMT12)","6","O","STANDARD","22220"
"LNDMRK","CATLMK13CONVIS1","SY(MONUMT12)","6","O","STANDARD","22220"
"LNDMRK","CATLMK15CONVIS1","SY(DOMES011)","6","O","STANDARD","22220"
"LNDMRK","CATLMK16CONVIS1","SY(RASCAN11)","6","O","STANDARD","22220"
"LNDMRK","CATLMK17CONVIS1","SY(TOWERS03)","6","O","STANDARD","22220"
"LNDMRK","CATLMK18CONVIS1","SY(WNDMIL12)","6","O","STANDARD","22220"
"LNDMRK","CATLMK19CONVIS1","SY(WIMCON11)","6","O","STANDARD","22220"
"LNDMRK","CATLMK20CONVIS1","SY(POSGEN03)","6","O","STANDARD","22220"
"LNDMRK","CATLMK15FUNCTN20","SY(BUIREL01)","4","O","OTHER","32220"
"LNDMRK","CATLMK17FUNCTN20","SY(BUIREL01)","4","O","OTHER","32220"
"LNDMRK","CATLMK20FUNCTN20","SY(BUIREL01)","4","O","OTHER","32220"
"LNDMRK","CATLMK3","SY(CHIMNY01)","4","O","OTHER","32220"
"LNDMRK","CATLMK6","SY(FLASTK01)","4","O","OTHER","32220"
"LNDMRK","CATLMK7","SY(MSTCON04)","4","O","OTHER","32220"
"LNDMRK","CATLMK15","SY(DOMES001)","4","O","OTHER","32220"
"LNDMRK","CATLMK16","SY(RASCAN01)","4","O","OTHER","32220"
"LNDMRK","CATLMK17","SY(TOWERS01)","4","O","OTHER","32220"
"LNDMRK","CONVIS1","SY(POSGEN03)","6","O","STANDARD","22220"
"LNDRGN","","SY(POSGEN04);TX(OBJNAM,1,2,2,'15110',0,-1,CHBLK,26)","4","O","STANDARD","21060"
"LOCMAG","","SY(LOCMAG01)","4","O","OTHER","31080"
"LOGPON","","SY(FLTHAZ02)","4","O","OTHER","34050"
"M_NPUB","","SY(CHINFO07)","4","O","OTHER","31020"

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"MAGVAR","","SY(MAGVAR01);TX(VALMAG,3,1,2,'15110',1,-1,CHBLK,27)","4","O","OTHER","31080"
"MARCUL","","SY(MARCUL02)","4","O","STANDARD","26210"
"MIPARE","","SY(CHINFO06)","4","O","STANDARD","26040"
"MORFAC","","SY(MORFAC03)","6","O","DISPLAYBASE","12410"
"MORFAC","CATMOR1","SY(MORFAC03)","6","O","DISPLAYBASE","12410"
"MORFAC","CATMOR2","SY(MORFAC04)","6","O","DISPLAYBASE","12410"
"MORFAC","CATMOR3","SY(PILPNT02)","6","O","OTHER","32440"
"MORFAC","CATMOR5","SY(PILPNT02)","6","O","DISPLAYBASE","12410"
"MORFAC","CATMOR7","SY(BOYMOR11)","8","O","DISPLAYBASESTANDARD","17010 27010"
"NEWOBJ","","SY(NEWOBJ 01)","6","S","STANDARD","21020"
"NEWOBJ","SYMINS","CS(SYMINS01)","6","S","STANDARD","21020"
"OBSTRN","","CS(OBSTRN06)","4","O","OTHER","34050"
"OBSTRN","CATOBS7VALSOU","SY(FOULGND1)","4","O","OTHER","34051"
"OBSTRN","CATOBS8VALSOU","SY(FLTHAZ02)","4","O","OTHER","34051"
"OBSTRN","CATOBS9VALSOU","SY(ACHARE02)","4","O","OTHER","34051"
"OBSTRN","CATOBS10VALSOU","SY(FLTHAZ02)","4","O","OTHER","34051"
"OBSTRN","CATOBS7","SY(FOULGND1)","4","O","OTHER","34050"
"OBSTRN","CATOBS8","SY(FLTHAZ02)","4","O","OTHER","34050"
"OBSTRN","CATOBS9","SY(ACHARE02)","4","O","OTHER","34050"
"OBSTRN","CATOBS10","SY(FLTHAZ02)","4","O","OTHER","34050"
"OBSTRN","WATLEV7","SY(FLTHAZ02)","4","O","DISPLAYBASE","12410"
"OFSPLF","","SY(OFSPLF01);TE('Prod %s','OBJNAM',3,1,2,'15110',1,-1,CHBLK,21)","5","O","DISPLAYBASE","12210"
"PILBOP","","SY(PILBOP02);TE('Plt %s','OBJNAM',3,1,2,'15110',1,-1,CHBLK,21)","6","O","STANDARD","28010"
"PILPNT","","SY(PILPNT02)","5","O","DISPLAYBASE","12410"
"PIPARE","","SY(CHINFO07)","4","O","STANDARD","26230"
"PIPSOL","","","","","",""
"PRCARE","","SY(PRCARE12)","5","O","DISPLAYBASESTANDARD","15010 25010"
"PRDARE","","","","","",""
"PRDARE","CATPRA5CONVIS1","SY(FLASTK11)","4","O","STANDARD","22220"
"PRDARE","CATPRA8CONVIS1","SY(TNKCON12)","4","O","STANDARD","22220"
"PRDARE","CATPRA9CONVIS1","SY(WIMCON11)","4","O","STANDARD","22220"
"PRDARE","CATPRA1","SY(PRDINS02)","3","O","OTHER","32270"
"PRDARE","CATPRA5","SY(FLASTK01)","3","O","OTHER","32270"
"PRDARE","CATPRA6","SY(TMBYRD01)","3","O","OTHER","32270"
"PRDARE","CATPRA8","SY(TNKCON02)","3","O","OTHER","32270"
"PRDARE","CATPRA9","SY(WIMCON01)","3","O","OTHER","32270"
"PYLONS","","SY(POSGEN03)","8","O","DISPLAYBASE","12210"
"RADRFL","","SY(RADRFL03)","6","O","STANDARD","27230"
"RADSTA","","SY(POSGEN01)","5","O","OTHER","38010"
"RADSTA","CATRAS2","SY(RDOSTA02);TE('ch %s','COMCHA',3,1,2,'15110',0,0,CHBLK,11)","5","O","OTHER","38010"
"RAPIDS","","","","","",""
"RCTLPT","","SY(RTLDEF51)","4","O","DISPLAYBASESTANDARD","15020 25020"
"RCTLPT","ORIENT","SY(RCTLPT52,ORIENT)","4","O","DISPLAYBASESTANDARD","15020 25020"
"RDOCAL","","SY(RCLDEF01);TE('Nr %s','OBJNAM',3,2,2,'15110',1,-1,CHBLK,21)","6","O","DISPLAYBASESTANDARD","15020 25060"
"RDOCAL","TRAFIC1ORIENT","SY(RDOCAL02,ORIENT);TE('Nr %s','OBJNAM',3,1,2,'15110',1,-1,CHBLK,21);TE('ch %s','COMCHA',3,1,2,'15110',1,1,CHBLK,11)","6","O",
"DISPLAYBASESTANDARD","15020 25060"
"RDOCAL","TRAFIC2ORIENT","SY(RDOCAL02,ORIENT);TE('Nr %s','OBJNAM',3,1,2,'15110',1,-1,CHBLK,21);TE('ch %s','COMCHA',3,1,2,'15110',1,1,CHBLK,11)","6","O",
"DISPLAYBASESTANDARD","15020 25060"
"RDOCAL","TRAFIC3ORIENT","SY(RDOCAL02,ORIENT);TE('Nr %s','OBJNAM',3,1,2,'15110',1,-1,CHBLK,21);TE('ch %s','COMCHA',3,1,2,'15110',1,1,CHBLK,11)","6","O",
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"DISPLAYBASE**STANDARD**","~~15020~~**25060**"
"RDOCAL","TRAFIC4ORIENT","SY(RDOCAL03,ORIENT);TE('Nr %s','OBJNAM',3,1,2,'15110',1,-1,CHBLK,21);TE('ch %s','COMCHA',3,1,2,'15110',1,1,CHBLK,11)","6","O",
"DISPLAYBASE**STANDARD**","~~15020~~**25060**"
"RDOSTA","","SY(RDOSTA02)","4","O","OTHER","38010"
"RDOSTA","CATROS10","SY(DGPS01)","4","O","OTHER","38010"
"RETRFL","","SY(RETRFL02)","6","O","STANDARD","27080"
"ROADWY","","","","","",""
"RSCSTA","","SY(RSCSTA02)","7","O","OTHER","38030"
"RTPBCN","","SY(RTPBCN02)","6","O","STANDARD","27210"
"RUNWAY","","","","","",""
"SBDARE","","TX(NATSUR,1,2,2,'15110',0,0,CHBLK,25)","4","O","OTHER","34010"
"SEAARE","","TX(OBJNAM,1,2,3,'15110',0,0,CHBLK,26)","3","S","STANDARD","21060"
"SILTNK","","SY(TNKCON02)","4","O","OTHER","32220"
"SILTNK","CATSIL1CONVIS1","SY(SILBUI11)","4","O","STANDARD","22220"
"SILTNK","CATSIL2CONVIS1","SY(TNKCON12)","4","O","STANDARD","22220"
"SILTNK","CATSIL3CONVIS1","SY(TOWERS03)","4","O","STANDARD","22220"
"SILTNK","CATSIL4CONVIS1","SY(TOWERS12)","4","O","STANDARD","22220"
"SILTNK","CONVIS1","SY(TNKCON12)","4","O","STANDARD","22220"
"SILTNK","CATSIL1","SY(SILBUI01)","4","O","OTHER","32220"
"SILTNK","CATSIL2","SY(TNKCON02)","4","O","OTHER","32220"
"SILTNK","CATSIL3","SY(TOWERS01)","4","O","OTHER","32220"
"SILTNK","CATSIL4","SY(TOWERS02)","4","O","OTHER","32220"
"SISTAT","","SY(SISTAT02)","7","O","STANDARD","28020"
"SISTAW","","SY(SISTAT02)","7","O","STANDARD","28020"
"SLCONS","","SY(MORFAC03);CS(SLCONS03)","8","O","DISPLAYBASE","12410"
"SLOGRD","","SY(HILTOP01)","3","S","OTHER","32010"
"SLOTOP","","SY(HILTOP01)","3","S","OTHER","32010"
"SLOTOP","CONVIS1","SY(HILTOP11)","3","S","STANDARD","22220"
"SMCFAC","","","","","",""
"SNDWAV","","SY(SNDWAV02)","4","O","STANDARD","24010"
"SOUNDG","","CS(SOUNDG02)","6","O","OTHER","33010"
"SPLARE","","SY(CHINFO06)","4","O","STANDARD","26040"
"SPRING","","SY(SPRING02)","4","O","OTHER","34020"
"T_HMON","","SY(TIDEHT01)","4","O","OTHER","33050"
"T_NHMN","","SY(TIDEHT01)","4","O","OTHER","33050"
"T_TIMS","","SY(TIDEHT01)","4","O","OTHER","33050"
"TS_FEB","","SY(CURDEF01)","4","O","OTHER","33060"
"TS_FEB","CAT_TS1ORIENT","SY(FLDSTR01,ORIENT);TE('%4.1lf kn','CURVEL',3,1,2,'15110',1,-1,CHBLK,31)","4","O","OTHER","33060"
"TS_FEB","CAT_TS2ORIENT","SY(EBBSTR01,ORIENT);TE('%4.1lf kn','CURVEL',3,1,2,'15110',1,-1,CHBLK,31)","4","O","OTHER","33060"
"TS_FEB","CAT_TS3ORIENT","SY(CURENT01,ORIENT);TE('%4.1lf kn','CURVEL',3,1,2,'15110',1,-1,CHBLK,31)","4","O","OTHER","33060"
"TS_PAD","","SY(TIDSTR01)","4","O","OTHER","33060"
"TS_PNH","","SY(TIDSTR01)","4","O","OTHER","33060"
"TS_PRH","","SY(TIDSTR01)","4","O","OTHER","33060"
"TS_TIS","","SY(TIDSTR01)","4","O","OTHER","33060"
"TOPMAR","","","","","",""
"TUNNEL","","","","","",""
"UWTROC","","CS(OBSTRN06)","4","O","OTHER","34050"
"VEGATN","","","","","",""
"WATFAL","","","","","",""

"WATTUR","","SY(WATTUR02)","3","O","OTHER","33040"
"WEDKLP","","SY(WEDKLP03)","3","O","OTHER","34020"
"WRECKS","","CS(WRECKS04)","4","O","OTHER","34050"
"WRECKS","CATWRK3VALSOU","SY(FOULGND1)","4","O","OTHER","34051"
"WRECKS","CATWRK3","SY(FOULGND1)","4","O","OTHER","34050"
*
* ***                          ***
* *** section two: NON-STANDARD CLASSES ***
* ***                          ***
*
*Note: category "DISPLAYBASE" should not be removed from the display.
*For non-standard classes, all category "MARINERS STANDARD" and "MARINERS OTHER"
*should be drawn when "STANDARD DISPLAY" is drawn, and thereafter may be re-assigned
*to the category of choosen by the mariner.
*
"cursor","","SY(CURSRA01)","8","O","DISPLAYBASE","11010"
"cursor","cursty2","SY(CURSRB01)","8","O","MARINERS OTHER","61040"
"dnghlt","","SY(DNGHILIT)","8","O","MARINERS STANDARD","53010"
"events","","SY(EVENTS03);TX(OBJNAM,3,2,3,'15110',1,0,CHBLK,50)","8","O","MARINERS STANDARD","52410"
"marfea","","SY(CHINFO09);TX(OBJNAM,3,1,3,'15110',1,-1,CHBLK,50)","8","O","MARINERS STANDARD","53050"
"marnot","","SY(CHINFO09);TX(usrmrk,3,1,2,'15110',0,0,CHBLK,50)","8","O","MARINERS STANDARD","53040"
"marnot","catnot1","SY(CHINFO08);TX(usrmrk,3,1,2,'15110',0,0,CHBLK,50)","8","O","MARINERS STANDARD","53030"
"marnot","catnot2","SY(CHINFO09);TX(usrmrk,3,1,2,'15110',0,0,CHBLK,50)","8","O","MARINERS STANDARD","53040"
"mnufea","","SY(CHINFO10)","5","O","MARINERS STANDARD","55010"
"mnufea","catnot1","SY(CHINFO10)","5","O","MARINERS STANDARD","55010"
"mnufea","catnot2","SY(CHINFO11)","5","O","MARINERS STANDARD","55020"
"ownshp","","CS(OWNSHP02)","9","O","DISPLAYBASE","42010"
"plnpos","","SY(PLNPOS01);SY(PLNPOS02,ORIENT);TX(plndat,1,2,2,'15110',4,3,CHBLK,50);","5","O","MARINERS STANDARD","52030"
"positn","","SY(POSITN02);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth1","SY(POSITN02);TX('DR',2,3,2,'15110',-1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth2","SY(POSITN02);TX('EP',2,3,2,'15110',-1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth3","SY(POSITN02);TX('V',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth4","SY(POSITN02);TX('A',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth5","SY(POSITN02);TX('R',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth6","SY(POSITN02);TX('D',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth7","SY(POSITN02);TX('G',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth8","SY(POSITN02);TX('Gl',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth9","SY(POSITN02);TX('L',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth10","SY(POSITN02);TX('M',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth11","SY(POSITN02);TX('O',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth12","SY(POSITN02);TX('T',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth13","SY(POSITN02);TX('dG',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth14","SY(POSITN02);TX('dGl',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"positn","pfmeth15","SY(POSITN02);TX('dO',3,3,2,'15110',1,1,CHBLK,50);TX(loctim,1,1,2,'15110',0,-1,CHBLK,50)","5","O","MARINERS OTHER","62010"
"refpnt","","SY(REFPNT02)","7","O","MARINERS OTHER","61050"
"tidcur","","SY(TIDCUR01,ORIENT);SY(TIDCUR03);TX(curstr,2,3,2,'15110',-1,2,CHBLK,50);TX(loctim,3,1,2,'15110',1,-2,CHBLK,50)","7","O","MARINERS STANDARD","53080"

"tidcur","catcur1","SY(TIDCUR01,ORIENT);SY(TIDCUR03);TX('P',2,3,2,'15110',-4,2,CHBLK,50);TX(curstr,2,3,2,'15110',-1,2,CHBLK,50);TX(loctim,3,1,2,'15110',1,-2,CHBLK,50)","7","O","MARINERS STANDARD","53080"
"tidcur","catcur2","SY(TIDCUR02,ORIENT);SY(TIDCUR03);TX('A',2,3,2,'15110',-4,2,CHBLK,50);TX(curstr,2,3,2,'15110',-1,2,CHBLK,50);TX(loctim,3,1,2,'15110',1,-2,CHBLK,50)","7","O","MARINERS STANDARD","53080"
"vessel","","CS(VESSEL02)","9","O","MARINERS STANDARD","54030"
"waypnt","","SY(WAYPNT01);TX(OBJNAM,3,1,3,'15110',1,-1,APLRT,50)","8","O","DISPLAYBASE","42210"
"waypnt","select1","SY(WAYPNT01);TX(OBJNAM,3,1,3,'15110',1,-1,CHBLK,50)","8","O","DISPLAYBASE","42210"
"waypnt","select2","SY(WAYPNT03);TX(OBJNAM,3,1,3,'15110',1,-1,APLRT,50)","8","O","MARINERS STANDARD","52210"
*
* ***                    ***
* *** end of look-up table ***
* ***                 ***

## 11.2    Look-up Table Listing for Object Type Line 'L'

* *** LINES                              ***
* *** This is the look-up table for line symbolization.   ***
* *** For edition 3.3 Preslib, dated March 2004    ******
* *** **For edition 3.4 Preslib, dated January 2008**   ******
*


* Each line contains minimum 6 fields:
*  1. field - code of the object class
*  2. field - attribute combination
*  3. field - symbolization instruction
*  4. field - display priority
*  5. field - radar
*  6. field - IMO display category
*  7. field - viewing group (optional)
*
* Each field entry is framed by '"' and fields are separated by ','.
*
* Please note, that the entries to this table must be in
* alphabetic order (sorted by the class code).
*
* This table has 2 sections:
*
* - The first section contains symbolization instructions for
*   standard S-57 'real world' objects:
* - The second section contains symbolization instructions for
*   non-standard (class code in lowercase) objects:

```
*
* default for symbolization failure; must be the first entry to look-up table
"#####","","LC(QUESMRK1)","5","O","STANDARD","21010"
*

* ***                        ***
* *** section one: REAL WORLD CLASSES ***
* ***                        ***
*
"ASLXIS","","LS(DASH,2,CHMGF)","5","S","STANDARD","26260"
"BERTHS","","LS(SOLD,3,CHGRD);SY(BRTHNO01);TE('Nr %s','OBJNAM',1,2,2,'15110',0,0,CHBLK,29)","5","O","OTHER","32440"
"BRIDGE","","LS(SOLD,5,CHGRD);TX(OBJNAM,3,1,2,'15110',1,0,CHBLK,21);TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,1,CHBLK,11)","8","O","DISPLAYBASE","12210"
"BRIDGE","CATBRG2","LS(SOLD,5,CHGRD);SY(BRIDGE01);TE('clr cl %4.1lf','VERCCL',3,1,2,'15110',1,0,CHBLK,11);TE('clr op
%4.1lf','VERCOP',3,1,2,'15110',1,1,CHBLK,11)","8","O","DISPLAYBASE","12210"
"BRIDGE","CATBRG3","LS(SOLD,5,CHGRD);SY(BRIDGE01);TE('clr cl %4.1lf','VERCCL',3,1,2,'15110',1,0,CHBLK,11);TE('clr op
%4.1lf','VERCOP',3,1,2,'15110',1,1,CHBLK,11)","8","O","DISPLAYBASE","12210"
"BRIDGE","CATBRG4","LS(SOLD,5,CHGRD);SY(BRIDGE01);TE('clr cl %4.1lf','VERCCL',3,1,2,'15110',1,0,CHBLK,11);TE('clr op
%4.1lf','VERCOP',3,1,2,'15110',1,1,CHBLK,11)","8","O","DISPLAYBASE","12210"
"BRIDGE","CATBRG5","LS(SOLD,5,CHGRD);SY(BRIDGE01);TE('clr cl %4.1lf','VERCCL',3,1,2,'15110',1,0,CHBLK,11);TE('clr op
%4.1lf','VERCOP',3,1,2,'15110',1,1,CHBLK,11)","8","O","DISPLAYBASE","12210"
"BRIDGE","CATBRG7","LS(SOLD,5,CHGRD);SY(BRIDGE01);TE('clr cl %4.1lf','VERCCL',3,1,2,'15110',1,0,CHBLK,11);TE('clr op
%4.1lf','VERCOP',3,1,2,'15110',1,1,CHBLK,11)","8","O","DISPLAYBASE","12210"
"BRIDGE","CATBRG8","LS(SOLD,5,CHGRD);SY(BRIDGE01);TE('clr cl %4.1lf','VERCCL',3,1,2,'15110',1,0,CHBLK,11);TE('clr op
%4.1lf','VERCOP',3,1,2,'15110',1,1,CHBLK,11)","8","O","DISPLAYBASE","12210"
"CANALS","","LS(SOLD,1,CHBLK)","2","O","DISPLAYBASE","12420"
"CAUSWY","","LS(SOLD,3,LANDF)","5","O","STANDARD","22010"
"CAUSWY","WATLEV4","LS(DASH,3,LANDF)","5","O","STANDARD","22010"
"CBLOHD","","LS(DASH,4,CHGRD)","8","O","DISPLAYBASE","12210"
"CBLOHD","CONRAD1VERCSA","LS(DASH,4,CHGRD);SY(RACNSP01);TE('sf clr %4.1lf','VERCSA',3,1,2,'15110',1,0,CHBLK,11)","8","O","DISPLAYBASE","12210"
"CBLOHD","CONRAD3VERCSA","LS(DASH,4,CHGRD);SY(RACNSP01);TE('sf clr %4.1lf','VERCSA',3,1,2,'15110',1,0,CHBLK,11)","8","O","DISPLAYBASE","12210"
"CBLOHD","CONRAD1VERCLR","LS(DASH,4,CHGRD);SY(RACNSP01);TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,0,CHBLK,11)","8","O","DISPLAYBASE","12210"
"CBLOHD","CONRAD3VERCLR","LS(DASH,4,CHGRD);SY(RACNSP01);TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,0,CHBLK,11)","8","O","DISPLAYBASE","12210"
"CBLOHD","CONRAD1","LS(DASH,4,CHGRD);SY(RACNSP01)","8","O","DISPLAYBASE","12210"
"CBLOHD","CONRAD3","LS(DASH,4,CHGRD);SY(RACNSP01)","8","O","DISPLAYBASE","12210"
"CBLOHD","VERCSA","LS(DASH,4,CHGRD);TE('sf clr %4.1lf','VERCSA',3,1,2,'15110',1,0,CHBLK,11)","8","O","DISPLAYBASE","12210"
"CBLOHD","VERCLR","LS(DASH,4,CHGRD);TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,0,CHBLK,11)","8","O","DISPLAYBASE","12210"
"CBLSUB","","LC(CBLSUB06)","3","O","OTHER","34070"
"CBLSUB","CATCBL6","LS(DASH,1,CHMGD)","6","O","STANDARD","24010"
"COALNE","","CS(QUAPOS01)","7","O","DISPLAYBASE","12410"
"COALNE","CATCOA6","LS(DASH,1,CSTLN)","7","O","DISPLAYBASE","12410"
"COALNE","CATCOA7","LS(DASH,1,CSTLN)","7","O","DISPLAYBASE","12410"
"COALNE","CATCOA8","LS(DASH,1,CSTLN)","7","O","DISPLAYBASE","12410"
"COALNE","CATCOA10","LS(DASH,1,CSTLN)","7","O","DISPLAYBASE","12410"
"CONVYR","","LS(DASH,4,CHGRD);TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,0,CHBLK,11)","8","O","DISPLAYBASE","12210"
"CONVYR","CATCON1CONRAD1","LS(DASH,4,CHGRD);SY(RACNSP01);TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,0,CHBLK,11)","8","O","DISPLAYBASE","12210"
"CONVYR","CATCON1CONRAD3","LS(DASH,4,CHGRD);SY(RACNSP01);TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,0,CHBLK,11)","8","O","DISPLAYBASE","12210"
"CONVYR","CATCON2CONRAD1","LS(SOLD,3,CHGRD);SY(RACNSP01);TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,0,CHBLK,11)","8","O","DISPLAYBASE","12210"
"CONVYR","CATCON2CONRAD3","LS(SOLD,3,CHGRD);SY(RACNSP01);TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,0,CHBLK,11)","8","O","DISPLAYBASE","12210"
```

"CONVYR","CATCON1","LS(DASH,4,CHGRD);TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,0,CHBLK,11)","8","O","DISPLAYBASE","12210"
"CONVYR","CATCON2","LS(SOLD,3,CHGRD);TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,0,CHBLK,11)","8","O","DISPLAYBASE","12210"
"CONVYR","CONRAD1","LS(DASH,4,CHGRD);SY(RACNSP01);TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,0,CHBLK,11)","8","O","DISPLAYBASE","12210"
"CONVYR","CONRAD3","LS(DASH,4,CHGRD);SY(RACNSP01);TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,0,CHBLK,11)","8","O","DISPLAYBASE","12210"
"DAMCON","","LS(SOLD,4,LANDF)","6","O","STANDARD","22010"
"DAMCON","CATDAM3","LS(SOLD,2,CSTLN)","6","O","DISPLAYBASE","12410"
"DEPARE","","","","","",""
"DEPCNT","","CS(DEPCNT03)","5","O","OTHER","33020"
"DWRTCL","","LC(DWLDEF01);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"DWRTCL","CATTRK1TRAFIC1","LC(DWRTCL08);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"DWRTCL","CATTRK1TRAFIC2","LC(DWRTCL08);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"DWRTCL","CATTRK1TRAFIC3","LC(DWRTCL08);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"DWRTCL","CATTRK1TRAFIC4","LC(DWRTCL06);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"DWRTCL","CATTRK2TRAFIC1","LC(DWRTCL07);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"DWRTCL","CATTRK2TRAFIC2","LC(DWRTCL07);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"DWRTCL","CATTRK2TRAFIC3","LC(DWRTCL07);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"DWRTCL","CATTRK2TRAFIC4","LC(DWRTCL05);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"DWRTCL","TRAFIC1","LC(DWRTCL07);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"DWRTCL","TRAFIC2","LC(DWRTCL07);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"DWRTCL","TRAFIC3","LC(DWRTCL07);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"DWRTCL","TRAFIC4","LC(DWRTCL05);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"DYKCON","","LS(SOLD,3,LANDF)","4","O","STANDARD","22010"
"DYKCON","CONRAD1","LS(SOLD,2,CHBLK)","4","O","STANDARD","22210"
"FERYRT","","LC(FERYRT02)","4","O","STANDARD","25030"
"FERYRT","CATFRY1","LC(FERYRT01)","4","O","STANDARD","25030"
"FERYRT","CATFRY2","LC(FERYRT02)","4","O","STANDARD","25030"
"FLODOC","","LS(SOLD,3,CSTLN)","5","O","DISPLAYBASE","12410"
"FNCLNE","","LS(SOLD,1,LANDF)","3","O","OTHER","32220"
"FNCLNE","CONVIS1","LS(SOLD,1,CHBLK)","3","O","STANDARD","22220"
"FORSTC","","LS(SOLD,3,LANDF)","4","O","OTHER","32220"
"FSHFAC","","LS(DASH,2,CHGRD)","4","O","OTHER","34040"
"FSHFAC","CATFIF1","LC(FSHFAC02)","4","O","OTHER","34040"
"GATCON","","LS(SOLD,2,CSTLN)","8","O","DISPLAYBASE","12410"
"GATCON","CATGAT2","LS(SOLD,2,CSTLN)","8","O","DISPLAYBASE","12410"
"GATCON","CATGAT3","LS(SOLD,2,CSTLN);SY(GATCON04)","8","O","DISPLAYBASE","12410"
"GATCON","CATGAT4","LS(SOLD,2,CSTLN);SY(GATCON03)","8","O","DISPLAYBASE","12410"
"GATCON","CATGAT5","LS(SOLD,2,CSTLN)","8","O","DISPLAYBASE","12410"
"LNDARE","","CS(QUAPOS01);TX(OBJNAM,1,1,2,'15110',0,1,CHBLK,26)","8","O","DISPLAYBASE","12010"
"LNDELV","","LS(SOLD,1,LANDF)","4","O","OTHER","32010"
"LNDMRK","","LS(SOLD,1,LANDF)","4","O","OTHER","32220"
"LNDMRK","CONVIS1","LS(SOLD,1,CHBLK)","4","O","STANDARD","22220"
"LOCMAG","","LS(DASH,1,CHMGF);SY(LOCMAG01)","4","S","OTHER","31080"
"M_SREL","","","","","",""
"MAGVAR","","LS(SOLD,2,CHMGF);SY(MAGVAR51);TE('varn %s','VALMAG',3,1,2,'15110',1,-1,CHBLK,27)","4","O","OTHER","31080"
"MARCUL","","LS(DASH,2,CHGRF)","4","O","STANDARD","26210"
"MORFAC","","LS(SOLD,2,CSTLN)","6","O","DISPLAYBASE","12410"
"MORFAC","CATMOR4","LS(SOLD,2,CSTLN)","6","O","DISPLAYBASE","12410"
"MORFAC","CATMOR6","LS(DASH,1,CHMGF)","6","O","DISPLAYBASE","14010"
"NAVLNE","","LS(DASH,1,CHGRD)","4","O","STANDARD","25010"

"NAVLNE","CATNAV1","LS(DASH,1,CHGRD);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","4","O","STANDARD","25010"
"NAVLNE","CATNAV2","LS(DASH,1,CHGRD);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","4","O","STANDARD","25010"
"NEWOBJ","","LC(NEWOBJ01)","6","S","STANDARD","21020"
"NEWOBJ","SYMINS","CS(SYMINS01)","6","S","STANDARD","21020"
"OBSTRN","","CS(OBSTRN06)","4","O","OTHER","34050"
"OBSTRN","CATOBS8","LS(DASH,1,CSTLN)","4","O","DISPLAYBASE","12410"
"OBSTRN","CATOBS9","LS(DASH,1,CHMGD)","4","O","DISPLAYBASE","12410"
"OBSTRN","CATOBS10","LS(DASH,1,CSTLN)","4","O","DISPLAYBASE","12410"
"OBSTRN","WATLEV7","LS(DASH,1,CSTLN)","4","O","DISPLAYBASE","12410"
"OILBAR","","LS(DASH,1,CHBLK)","4","O","DISPLAYBASE","12410"
"PIPOHD","","LS(SOLD,3,CHGRD);TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,-1,CHBLK,11)","8","O","DISPLAYBASE","12210"
"PIPOHD","CONRAD1","LS(SOLD,3,CHGRD);SY(RACNSP01);TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,-1,CHBLK,11)","8","O","DISPLAYBASE","12210"
"PIPOHD","CONRAD3","LS(SOLD,3,CHGRD);SY(RACNSP01);TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,-1,CHBLK,11)","8","O","DISPLAYBASE","12210"
"PIPSOL","","LC(PIPSOL05)","6","O","OTHER","34070"
"PIPSOL","PRODCT3","LC(PIPSOL06)","6","O","OTHER","34070"
"PIPSOL","CATPIP2","LC(PIPSOL06)","6","O","OTHER","34070"
"PIPSOL","CATPIP3","LC(PIPSOL06)","6","O","OTHER","34070"
"PIPSOL","CATPIP4","LC(PIPSOL06)","6","O","OTHER","34070"
"PIPSOL","CATPIP5","LC(PIPSOL06)","6","O","OTHER","34070"
"PONTON","","LS(SOLD,2,CSTLN)","5","O","DISPLAYBASE","12410"
"RADLNE","","LS(DASH,2,TRFCD);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","STANDARD","25040"
"RAILWY","","LS(SOLD,2,LANDF)","4","O","OTHER","32250"
"RAPIDS","","LS(SOLD,3,CHGRD)","3","O","OTHER","32050"
"RCRTCL","","LC(RCRDEF11);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15020~~ **25020**"
"RCRTCL","CATTRK1TRAFIC1","LC(RCRTCL14);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15020~~ **25020**"
"RCRTCL","CATTRK1TRAFIC2","LC(RCRTCL14);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15020~~ **25020**"
"RCRTCL","CATTRK1TRAFIC3","LC(RCRTCL14);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15020~~ **25020**"
"RCRTCL","CATTRK1TRAFIC4","LC(RCRTCL13);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15020~~ **25020**"
"RCRTCL","CATTRK2TRAFIC1","LC(RCRTCL12);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15020~~ **25020**"
"RCRTCL","CATTRK2TRAFIC2","LC(RCRTCL12);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15020~~ **25020**"
"RCRTCL","CATTRK2TRAFIC3","LC(RCRTCL12);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15020~~ **25020**"
"RCRTCL","CATTRK2TRAFIC4","LC(RCRTCL11);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15020~~ **25020**"
"RCRTCL","TRAFIC1","LC(RCRTCL12);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15020~~ **25020**"
"RCRTCL","TRAFIC2","LC(RCRTCL12);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15020~~ **25020**"
"RCRTCL","TRAFIC3","LC(RCRTCL12);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15020~~ **25020**"
"RCRTCL","TRAFIC4","LC(RCRTCL11);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15020~~ **25020**"
"RDOCAL","","LS(DASH,1,TRFCD);SY(RCLDEF01);TE('Nr %s','OBJNAM',3,2,2,'15110',1,-1,CHBLK,21)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15060~~ **25060**"
"RDOCAL","TRAFIC1ORIENT","LS(DASH,1,TRFCD);SY(RDOCAL02,ORIENT);TE('Nr %s','OBJNAM',3,1,2,'15110',1,-1,CHBLK,21);TE('ch %s','COMCHA',3,1,2,'15110',1,1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15060~~ **25060**"
"RDOCAL","TRAFIC2ORIENT","LS(DASH,1,TRFCD);SY(RDOCAL02,ORIENT);TE('Nr %s','OBJNAM',3,1,2,'15110',1,-1,CHBLK,21);TE('ch %s','COMCHA',3,1,2,'15110',1,1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15060~~ **25060**"
"RDOCAL","TRAFIC3ORIENT","LS(DASH,1,TRFCD);SY(RDOCAL02,ORIENT);TE('Nr %s','OBJNAM',3,1,2,'15110',1,-1,CHBLK,21);TE('ch %s','COMCHA',3,1,2,'15110',1,1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15060~~ **25060**"
"RDOCAL","TRAFIC4ORIENT","LS(DASH,1,TRFCD);SY(RDOCAL03,ORIENT);TE('Nr %s','OBJNAM',3,1,2,'15110',1,-1,CHBLK,21);TE('ch %s','COMCHA',3,1,2,'15110',1,1,CHBLK,11)","6","O","~~DISPLAYBASE~~**STANDARD**","~~15060~~ **25060**"
"RECTRC","","LC(RECDEF02);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","STANDARD","25020"
"RECTRC","CATTRK1TRAFIC1","LC(RECTRC12);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","STANDARD","25020"
"RECTRC","CATTRK1TRAFIC2","LC(RECTRC12);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","STANDARD","25020"
"RECTRC","CATTRK1TRAFIC3","LC(RECTRC12);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","STANDARD","25020"

"RECTRC","CATTRK1TRAFIC4","LC(RECTRC10);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","STANDARD","25020"
"RECTRC","CATTRK2TRAFIC1","LC(RECTRC11);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","STANDARD","25020"
"RECTRC","CATTRK2TRAFIC2","LC(RECTRC11);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","STANDARD","25020"
"RECTRC","CATTRK2TRAFIC3","LC(RECTRC11);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","STANDARD","25020"
"RECTRC","CATTRK2TRAFIC4","LC(RECTRC09);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","STANDARD","25020"
"RECTRC","TRAFIC1","LC(RECTRC11);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","STANDARD","25020"
"RECTRC","TRAFIC2","LC(RECTRC11);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","STANDARD","25020"
"RECTRC","TRAFIC3","LC(RECTRC11);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","STANDARD","25020"
"RECTRC","TRAFIC4","LC(RECTRC09);TE('%03.0lf deg','ORIENT',1,1,2,'15110',0,-1,CHBLK,11)","6","O","STANDARD","25020"
"RIVERS","","LS(SOLD,1,CHBLK)","2","O","DISPLAYBASE","12420"
"ROADWY","","LS(SOLD,2,LANDF)","4","O","OTHER","32250"
"RUNWAY","","LS(SOLD,3,LANDF)","6","O","OTHER","32240"
"SBDARE","","LS(SOLD,1,CHGRD);TX(NATSUR,1,2,2,'15110',0,0,CHBLK,25)","4","O","OTHER","34010"
"SLCONS","","CS(SLCONS03)","7","O","DISPLAYBASE","12410"
"SLOTOP","","LS(SOLD,1,LANDF)","4","O","OTHER","32010"
"SLOTOP","CATSLO2CONRAD1","LS(SOLD,1,CHBLK)","4","O","STANDARD","22210"
"SLOTOP","CATSLO6CONRAD1","LS(SOLD,1,CHBLK)","4","O","STANDARD","22210"
"SLOTOP","CATSLO6CONVIS1","LS(SOLD,1,CHBLK)","4","O","STANDARD","22210"
"SLOTOP","CATSLO2","LS(SOLD,1,CHGRD)","4","O","OTHER","32010"
"SLOTOP","CATSLO6","LS(SOLD,1,CHGRD)","4","O","OTHER","32010"
"SNDWAV","","LS(DASH,2,CHGRD);SY(SNDWAV02)","4","O","STANDARD","24010"
"STSLNE","","LS(DASH,1,CHGRF)","3","O","OTHER","36050"
"TIDEWY","","LS(SOLD,1,CHGRF)","3","O","OTHER","32070"
"TSELNE","","LS(SOLD,6,TRFCF)","8","O","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"TSSBND","","LS(DASH,4,TRFCD)","7","O","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"TUNNEL","","LS(DASH,1,CHGRD)","4","O","OTHER","32250"
"TUNNEL","BURDEP0","LS(DASH,2,CHBLK)","4","O","STANDARD","24010"
"VEGATN","","LS(DASH,1,LANDF)","3","O","OTHER","32030"
"WATFAL","","LS(SOLD,3,CHGRF)","3","O","OTHER","32050"
"WATFAL","CONVIS1","LS(SOLD,3,CHWHT)","3","O","OTHER","32050"
"WATTUR","","LS(DASH,1,CHGRD);SY(WATTUR02)","4","O","OTHER","33040"
*
* ***                          ***
* *** section two: NON-STANDARD CLASSES ***
* ***                          ***
*
*Note: category "DISPLAYBASE" should not be removed from the display.
*For non-standard classes, all category "MARINERS STANDARD" and "MARINERS OTHER"
*should be drawn when "STANDARD DISPLAY" is drawn, and thereafter may be re-assigned
*to the category of choosen by the mariner.
*
"clrlin","","CS(CLRLIN01)","9","O","MARINERS OTHER","53020"
"dnghlt","","LS(SOLD,3,DNGHL)","8","O","MARINERS STANDARD","53010"
"ebline","","CS(VRMEBL01)","9","O","MARINERS OTHER","61010"
"leglin","","CS(LEGLIN03)","8","O","DISPLAYBASE","42210"
"marfea","","LS(SOLD,2,NINFO);TX(OBJNAM,3,3,2,'15110',0,1,CHBLK,50)","8","O","MARINERS OTHER","53050"

```
"mnufea","","LS(SOLD,1,ADINF)","5","O","MARINERS OTHER","55010"
"pastrk","","CS(PASTRK01)","3","O","MARINERS STANDARD","52430"
"poslin","","LS(SOLD,1,NINFO);TX(loctim,3,1,2,'15110',0,-1,CHBLK,50)","3","O","MARINERS OTHER","62020"
"poslin","transf2","LS(SOLD,1,NINFO);TX(loctim,3,1,2,'15110',0,-1,CHBLK,50);TX('TPL',3,3,2,'15110',0,1,CHBLK,50)","3","O","MARINERS OTHER","62020"
"rngrng","","LS(SOLD,1,CURSR)","9","O","MARINERS OTHER","61030"
"vrmark","","CS(VRMEBL01)","9","O","MARINERS OTHER","61010"
"wholin","","LS(SOLD,2,NINFO);TX(loctim,3,3,2,'15110',0,1,CHBLK,50);TX(usrmrk,3,1,2,'15110',0,-1,CHBLK,50)","8","O","MARINERS STANDARD","52010"
*
* ***                    ***
* *** end of look-up table ***
* ***                    ***
```

## 11.3      Look-up Table Listing for Object Type Area 'A'

## 11.3.1     Look-up Table for areas with symbolized boundaries

```
* *** AREAS WITH SYMBOLIZED BOUNDARIES            ***
* *** This is the look-up table for area symbolization.  ***
* *** For edition 3.3 Preslib, dated March 2004   ******
* *** For edition 3.4 Preslib, dated January 2008    ******
*
* Each line contains minimum 6 fields:
*  1. field - code of the object class
*  2. field - attribute combination
*  3. field - symbolization instruction
*  4. field - display priority
*  5. field - radar
*  6. field - IMO display category
*  7. field - viewing group (optional)
*
* Each field entry is framed by '"' and fields are separated by ','.
*
* Please note, that the entries to this table must be in
* alphabetic order (sorted by the class code).
*
* This table has 2 sections:
*
* - The first section contains symbolization instructions for
*   standard S-57 'real world' objects:
* - The second section contains symbolization instructions for
```

\* non-standard (class code in lowercase) objects:
\*
\* default for symbolization failure; must be the first entry to look-up table
"#####","","SY(QUESMRK1);LC(QUESMRK1)","5","S","STANDARD","21010"
\*
\* \*\*\*                              \*\*\*
\* \*\*\* section one: REAL WORLD CLASSES \*\*\*
\* \*\*\*                    \*\*\*
\*
"ACHARE","","SY(ACHARE51);LC(ACHARE51);CS(RESTRN01)","3","S","STANDARD","26220"
"ACHARE","CATACH8","SY(ACHARE02);LS(DASH,2,CHMGF);CS(RESTRN01)","3","S","STANDARD","26220"
"ACHBRT","","SY(ACHBRT07);TE('Nr %s','OBJNAM',3,1,2,'15110',1,0,CHBLK,29);LS(DASH,2,CHMGF)","5","S","STANDARD","26220"
"ADMARE","","LC(ADMARE01)","2","S","OTHER","36050"
"AIRARE","","AP(AIRARE02);LS(SOLD,1,LANDF)","2","S","OTHER","32240"
"AIRARE","CONVIS1","AC(LANDA);AP(AIRARE02);LS(SOLD,1,CHBLK)","2","S","STANDARD","22220"
"ARCSLN","","LC(ARCSLN01)","5","S","STANDARD","26260"
"BERTHS","","SY(BRTHNO01);TE('Nr %s','OBJNAM',3,1,2,'15110',1,0,CHBLK,29)","3","S","OTHER","32440"
"BRIDGE","","TX(OBJNAM,3,1,2,'15110',1,0,CHBLK,21);TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,1,CHBLK,11);LS(SOLD,4,CHGRD)","8","O","DISPLAYBASE","12210"
"BRIDGE","CATBRG2","SY(BRIDGE01);TE('clr cl %4.1lf','VERCCL',3,1,2,'15110',1,0,CHBLK,11);TE('clr op %4.1lf','VERCOP',3,1,2,'15110',1,1,CHBLK,11);LS(SOLD,4,CHGRD)","8","O","DISPLAYBASE","12210"
"BRIDGE","CATBRG3","SY(BRIDGE01);TE('clr cl %4.1lf','VERCCL',3,1,2,'15110',1,0,CHBLK,11);TE('clr op %4.1lf','VERCOP',3,1,2,'15110',1,1,CHBLK,11);LS(SOLD,4,CHGRD)","8","O","DISPLAYBASE","12210"
"BRIDGE","CATBRG4","SY(BRIDGE01);TE('clr cl %4.1lf','VERCCL',3,1,2,'15110',1,0,CHBLK,11);TE('clr op %4.1lf','VERCOP',3,1,2,'15110',1,1,CHBLK,11);LS(SOLD,4,CHGRD)","8","O","DISPLAYBASE","12210"
"BRIDGE","CATBRG5","SY(BRIDGE01);TE('clr cl %4.1lf','VERCCL',3,1,2,'15110',1,0,CHBLK,11);TE('clr op %4.1lf','VERCOP',3,1,2,'15110',1,1,CHBLK,11);LS(SOLD,4,CHGRD)","8","O","DISPLAYBASE","12210"
"BRIDGE","CATBRG7","SY(BRIDGE01);TE('clr cl %4.1lf','VERCCL',3,1,2,'15110',1,0,CHBLK,11);TE('clr op %4.1lf','VERCOP',3,1,2,'15110',1,1,CHBLK,11);LS(SOLD,4,CHGRD)","8","O","DISPLAYBASE","12210"
"BRIDGE","CATBRG8","SY(BRIDGE01);TE('clr cl %4.1lf','VERCCL',3,1,2,'15110',1,0,CHBLK,11);TE('clr op %4.1lf','VERCOP',3,1,2,'15110',1,1,CHBLK,11);LS(SOLD,4,CHGRD)","8","O","DISPLAYBASE","12210"
"BUAARE","","AC(CHBRN);TX(OBJNAM,1,2,3,'15110',0,0,CHBLK,26);LS(SOLD,1,LANDF)","3","S","STANDARD","22240"
"BUISGL","","AC(CHBRN);LS(SOLD,1,LANDF)","4","S","OTHER","32220"
"BUISGL","FUNCTN33CONVIS1","AC(CHBRN);TX(OBJNAM,1,2,2,'15110',0,0,CHBLK,26);LS(SOLD,1,CHBLK)","4","S","STANDARD","22220"
"BUISGL","FUNCTN33","AC(CHBRN);TX(OBJNAM,1,2,2,'15110',0,0,CHBLK,26);LS(SOLD,1,LANDF)","4","S","OTHER","32220"
"BUISGL","CONVIS1","AC(CHBRN);LS(SOLD,1,CHBLK)","4","S","STANDARD","22220"
"CANALS","","AC(DEPVS);LS(SOLD,1,CHBLK)","2","S","DISPLAYBASE","12420"
"CANALS","CONDTN","AC(DEPVS);LS(DASH,1,CHBLK)","2","S","DISPLAYBASE","12420"
"CAUSWY","","AC(CHBRN);LS(SOLD,1,CSTLN)","5","S","STANDARD","22010"
"CAUSWY","WATLEV4","AC(DEPIT);LS(DASH,2,CSTLN)","5","S","STANDARD","22010"
"CBLARE","","SY(CBLARE51);LC(CBLARE51);CS(RESTRN01)","3","S","STANDARD","26230"
"CHKPNT","","SY(POSGEN04)","4","S","OTHER","32410"
"CONVYR","","TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,0,CHBLK,11);LS(SOLD,3,CHGRD)","8","O","DISPLAYBASE","12210"
"CONVYR","CONRAD1","SY(RACNSP01);TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,0,CHBLK,11);LS(SOLD,3,CHGRD)","8","O","DISPLAYBASE","12210"
"CONVYR","CONRAD3","SY(RACNSP01);TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,0,CHBLK,11);LS(SOLD,3,CHGRD)","8","O","DISPLAYBASE","12210"
"CONZNE","","LS(DASH,2,CHGRF)","2","S","OTHER","36050"
"COSARE","","LS(DASH,2,CHGRF)","2","S","OTHER","36010"

"CRANES","","AC(CHBRN);LS(SOLD,1,LANDF)","4","S","OTHER","32440"
"CRANES","CONVIS1","AC(CHBRN);LS(SOLD,1,CHBLK)","4","S","STANDARD","22220"
"CTNARE","","SY(CTNARE51);LC(CTNARE51)","3","S","STANDARD","26050"
"CTSARE","","SY(INFARE51);LC(CTYARE51)","3","S","STANDARD","26250"
"CUSZNE","","LS(DASH,1,CHGRF)","2","S","OTHER","36020"
"DAMCON","","AC(CHBRN);LS(SOLD,1,LANDF)","3","S","STANDARD","22010"
"DAMCON","CATDAM3","AC(CHBRN);LS(SOLD,2,CSTLN)","6","S","DISPLAYBASE","12410"
"DEPARE","","CS(DEPARE02)","1","S","DISPLAYBASE","13030"
"DEPARE","DRVAL1?DRVAL2?","AC(NODTA);AP(PRTSUR01);LS(SOLD,2,CHGRD)","1","S","DISPLAYBASE","13030"
"DMPGRD","","SY(INFARE51);LC(CTYARE51);CS(RESTRN01)","3","S","STANDARD","26240"
"DOCARE","","AC(DEPVS);TX(OBJNAM,1,2,3,'15110',0,0,CHBLK,26);LS(SOLD,1,CHBLK)","2","S","DISPLAYBASE","12420"
"DOCARE","CONDTN","AC(DEPVS);TX(OBJNAM,1,2,3,'15110',0,0,CHBLK,26);LS(DASH,1,CHBLK)","2","S","DISPLAYBASE","12420"
"DRGARE","","CS(DEPARE02)","1","S","DISPLAYBASE","13030"
"DRYDOC","","AC(LANDA);LS(SOLD,1,CSTLN)","4","S","OTHER","32440"
"DWRTPT","","SY(TSLDEF51);SY(DWRTPT51);LC(DWRUTE51);CS(RESTRN01)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"DWRTPT","ORIENTTRAFIC1","SY(TSSLPT51,ORIENT);SY(DWRTPT51);LC(DWRUTE51);CS(RESTRN01)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"DWRTPT","ORIENTTRAFIC2","SY(TSSLPT51,ORIENT);SY(DWRTPT51);LC(DWRUTE51);CS(RESTRN01)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"DWRTPT","ORIENTTRAFIC3","SY(TSSLPT51,ORIENT);SY(DWRTPT51);LC(DWRUTE51);CS(RESTRN01)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"DWRTPT","ORIENTTRAFIC4","SY(DWRUTE51,ORIENT);SY(DWRTPT51);LC(DWRUTE51);CS(RESTRN01)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"DYKCON","","AC(CHBRN);LS(SOLD,1,LANDF)","3","S","STANDARD","22010"
"EXEZNE","","LS(DASH,2,CHGRF)","2","S","OTHER","36050"
"FAIRWY","","LC(NAVARE51);CS(RESTRN01)","4","S","STANDARD","26050"
"FAIRWY","ORIENTTRAFIC1","SY(FAIRWY51,ORIENT);LC(NAVARE51);CS(RESTRN01)","4","S","STANDARD","26050"
"FAIRWY","ORIENTTRAFIC2","SY(FAIRWY51,ORIENT);LC(NAVARE51);CS(RESTRN01)","4","S","STANDARD","26050"
"FAIRWY","ORIENTTRAFIC3","SY(FAIRWY51,ORIENT);LC(NAVARE51);CS(RESTRN01)","4","S","STANDARD","26050"
"FAIRWY","ORIENTTRAFIC4","SY(FAIRWY52,ORIENT);LC(NAVARE51);CS(RESTRN01)","4","S","STANDARD","26050"
"FERYRT","","SY(FRYARE51);LC(NAVARE51)","3","S","STANDARD","26040"
"FERYRT","CATFRY2","SY(FRYARE52);LC(NAVARE51)","3","S","STANDARD","26040"
"FLODOC","","AC(CHBRN);LS(SOLD,2,CSTLN)","5","S","DISPLAYBASE","12410"
"FORSTC","","AC(CHBRN);LS(SOLD,1,LANDF)","4","S","OTHER","32220"
"FORSTC","CONVIS1","AC(CHBRN);LS(SOLD,1,CHBLK)","4","S","STANDARD","22220"
"FRPARE","","LS(DASH,2,CHGRF)","2","S","OTHER","36020"
"FSHFAC","","SY(FSHFAC02);LC(NAVARE51)","4","S","OTHER","34040"
"FSHFAC","CATFIF1","SY(FSHFAC03);LC(NAVARE51)","4","S","OTHER","34040"
"FSHFAC","CATFIF2","SY(FSHFAC02);LC(NAVARE51)","4","S","OTHER","34040"
"FSHFAC","CATFIF3","SY(FSHFAC02);LC(NAVARE51)","4","S","OTHER","34040"
"FSHFAC","CATFIF4","SY(FSHFAC02);LC(NAVARE51)","4","S","OTHER","34040"
"FSHGRD","","SY(FSHGRD01);LS(DASH,2,CHGRF)","3","S","STANDARD","26210"
"FSHZNE","","LS(DASH,2,CHGRF)","2","S","OTHER","36040"
"GATCON","","AC(CHBRN);LS(SOLD,2,CSTLN)","8","S","DISPLAYBASE","12410"
"GRIDRN","","LS(DASH,1,CHGRD)","5","S","OTHER","32460"
"HRBARE","","LC(NAVARE51)","2","S","OTHER","36020"
"HRBFAC","","SY(CHINFO07)","4","S","OTHER","32410"
"HRBFAC","CATHAF1","SY(ROLROL01)","4","S","OTHER","32410"
"HRBFAC","CATHAF4","SY(HRBFAC09)","4","S","OTHER","32410"
"HRBFAC","CATHAF5","SY(SMCFAC02)","4","S","OTHER","32410"
"HULKES","","AC(CHBRN);LS(SOLD,2,CSTLN)","5","S","DISPLAYBASE","12410"
"ICEARE","","AC(NODTA);AP(ICEARE04);LS(DASH,1,CHGRD)","3","S","DISPLAYBASE","12410"
"ICNARE","","SY(INFARE51);LC(CTYARE51);CS(RESTRN01)","3","S","STANDARD","26250"

"ISTZNE","","SY(ITZARE51);LC(RESARE51);CS(RESTRN01)","5","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"LAKARE","","AC(DEPVS);LS(SOLD,1,CHBLK)","2","S","STANDARD","22010"
"LNDARE","","AC(LANDA);TX(OBJNAM,1,2,3,'15110',-1,-1,CHBLK,26)","1","S","DISPLAYBASE","12010"
"LNDMRK","","AC(CHBRN);LS(SOLD,1,LANDF)","4","S","OTHER","32220"
"LNDMRK","CATLMK17FUNCTN33CONVIS1","AC(CHBRN);TX(OBJNAM,1,2,2,'15110',0,0,CHBLK,26);LS(SOLD,1,CHBLK)","4","S","STANDARD","22220"
"LNDMRK","CATLMK17FUNCTN33","AC(CHBRN);TX(OBJNAM,1,2,2,'15110',0,0,CHBLK,26);LS(SOLD,1,LANDF)","4","S","OTHER","32220"
"LNDMRK","CONVIS1","AC(CHBRN);LS(SOLD,1,CHBLK)","4","S","STANDARD","22220"
"LNDRGN","","TX(OBJNAM,1,2,3,'15110',0,0,CHBLK,26)","3","S","STANDARD","21060"
"LNDRGN","CATLND2","AP(MARSHES1)","3","S","STANDARD","21060"
"LNDRGN","CATLND12","AP(MARSHES1)","3","S","STANDARD","21060"
"LOCMAG","","SY(LOCMAG51);LC(NAVARE51)","4","S","OTHER","31080"
"LOGPON","","SY(FLTHAZ02);LS(DASH,1,CHBLK)","5","S","DISPLAYBASE","12410"
"LOKBSN","","AC(DEPVS);LS(SOLD,1,CHBLK)","2","S","DISPLAYBASE","12420"
"M_ACCY","","","","","",""
"M_COVR","","CS(DATCVR02)","1","S","OTHER","31040"
"M_CSCL","","CS(DATCVR02)","1","S","OTHER","31040"
"M_HOPA","","","","","",""
"M_NPUB","","","","","",""
"M_NSYS","","LC(MARSYS51)","4","S","STANDARD","27040"
"M_NSYS","MARSYS1ORIENT","SY(DIRBOYA1,ORIENT);LC(NAVARE51)","4","S","STANDARD","27040"
"M_NSYS","MARSYS2ORIENT","SY(DIRBOYB1,ORIENT);LC(NAVARE51)","4","S","STANDARD",'27040'
"M_NSYS","ORIENT","SY(DIRBOY01,ORIENT);LC(NAVARE51)","4","S","STANDARD","27040"
"M_QUAL","","AP(NODATA03);LS(DASH,2,CHGRD)","4","S","OTHER","31010"
"M_QUAL","CATZOC1","AP(DQUALA11);LS(DASH,2,CHGRD)","4","S","OTHER","31010"
"M_QUAL","CATZOC2","AP(DQUALA21);LS(DASH,2,CHGRD)","4","S","OTHER","31010"
"M_QUAL","CATZOC3","AP(DQUALB01);LS(DASH,2,CHGRD)","4","S","OTHER","31010"
"M_QUAL","CATZOC4","AP(DQUALC01);LS(DASH,2,CHGRD)","4","S","OTHER","31010"
"M_QUAL","CATZOC5","AP(DQUALD01);LS(DASH,2,CHGRD)","4","S","OTHER","31010"
"M_QUAL","CATZOC6","AP(DQUALU01);LS(DASH,2,CHGRD)","4","S","OTHER","31010"
"M_SDAT","","","","","",""
"M_SREL","","","","","",""
"M_VDAT","","","","","",""
"MAGVAR","","SY(MAGVAR51)","4","S","OTHER","31080"
"MARCUL","","AP(MARCUL02);LC(NAVARE51);CS(RESTRN01)","3","S","STANDARD","26210"
"MIPARE","","SY(CTYARE51);LC(CTYARE51);CS(RESTRN01)","4","S","STANDARD","26040"
"MORFAC","","AC(CHBRN);LS(SOLD,1,CHBLK)","6","S","DISPLAYBASE","12410 "
"NEWOBJ","","SY(NEWOBJ01);LS(DASH,2,CHMGD)","6","S","STANDARD","21020"
"NEWOBJ","SYMINS","CS(SYMINS01)","6","S","STANDARD","21020"
"OBSTRN","","CS(OBSTRN06)","4","S"," OTHER","34050"
"OBSTRN","CATOBS7VALSOU","SY(FOULGND1);LC(NAVARE51)","4","S","OTHER","34051"
"OBSTRN","CATOBS7","SY(FOULGND1);LC(NAVARE51)","4","S","OTHER","34050"
"OBSTRN","CATOBS8","SY(FLTHAZ02);LS(DASH,1,CSTLN)","4","S","DISPLAYBASE","12410"
"OBSTRN","CATOBS9","SY(ACHARE02);LS(DASH,1,CHMGD)","4","S","DISPLAYBASE","12410"
"OBSTRN","CATOBS10","SY(FLTHAZ02);LS(DASH,1,CSTLN)","4","S","DISPLAYBASE","12410"
"OBSTRN","WATLEV7","SY(FLTHAZ02);LS(DASH,1,CSTLN)","4","S","DISPLAYBASE","12410"
"OFSPLF","","AC(CHBRN);LS(SOLD,4,CSTLN);TE('Prod %s','OBJNAM',3,1,2,'15110',1,-1,CHBLK,21)","5","O","DISPLAYBASE","12210"
"OSPARE","","SY(CTYARE51);LC(CTYARE51);CS(RESTRN01)","4","S","STANDARD","26040"
"PILBOP","","SY(PILBOP02);LC(CTYARE51)","4","S","STANDARD","28010"
"PIPARE","","SY(INFARE51);LC(PIPARE51);CS(RESTRN01)","3","S","STANDARD","26230"

"PIPARE","CATPIP2","SY(INFARE51);LC(PIPARE61);CS(RESTRN01)","3","S","STANDARD","26230"
"PIPARE","CATPIP3","SY(INFARE51);LC(PIPARE61);CS(RESTRN01)","3","S","STANDARD","26230"
"PIPARE","PRODCT3","SY(INFARE51);LC(PIPARE61);CS(RESTRN01)","3","S","STANDARD","26230"
"PONTON","","AC(CHBRN);LS(SOLD,2,CSTLN)","5","S","DISPLAYBASE","12410"
"PRCARE","","AP(TSSJCT02);SY(PRCARE51);LC(PRCARE51);CS(RESTRN01)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"PRDARE","","LS(DASH,1,LANDF)","4","S","OTHER","32270"
"PRDARE","CATPRA5CONVIS1","SY(RFNERY11);LS(DASH,1,CHBLK)","4","S","STANDARD","22220"
"PRDARE","CATPRA8CONVIS1","SY(TNKFRM11);LS(DASH,1,CHBLK)","4","S","STANDARD","22220"
"PRDARE","CATPRA9CONVIS1","SY(WNDFRM61);LS(DASH,1,CHBLK)","4","S","STANDARD","22220"
"PRDARE","CATPRA1","SY(QUARRY01);LS(DASH,1,LANDF)","4","S","OTHER","32270"
"PRDARE","CATPRA5","SY(RFNERY01);LS(DASH,1,LANDF)","4","S","OTHER","32270"
"PRDARE","CATPRA6","SY(TMBYRD01);LS(DASH,1,LANDF)","4","S","OTHER","32270"
"PRDARE","CATPRA8","SY(TNKFRM01);LS(DASH,1,LANDF)","4","S","OTHER","32270"
"PRDARE","CATPRA9","SY(WNDFRM51);LS(DASH,1,LANDF)","4","S","OTHER","32270"
"PYLONS","","AC(CHBRN);LS(SOLD,2,CSTLN)","6","S","DISPLAYBASE","12210"
"RADRNG","","LS(DASH,1,TRFCF)","3","S","STANDARD","25040"
"RAPIDS","","AC(CHGRD)","3","S","OTHER","32050"
"RCTLPT","","SY(RTLDEF51)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15020~~ **25020**"
"RCTLPT","ORIENT","SY(RCTLPT52,ORIENT)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15020~~ **25020**"
"RECTRC","","SY(RECDEF51);LC(NAVARE51)","6","S","STANDARD","25020"
"RECTRC","ORIENTCATTRK1TRAFIC1","SY(RECTRC58,ORIENT);TE('%03.0lf deg','ORIENT',3,2,2,'15110',4,0,CHBLK,11);LC(NAVARE51)","6","S","STANDARD","25020"
"RECTRC","ORIENTCATTRK1TRAFIC2","SY(RECTRC58,ORIENT);TE('%03.0lf deg','ORIENT',3,2,2,'15110',4,0,CHBLK,11);LC(NAVARE51)","6","S","STANDARD","25020"
"RECTRC","ORIENTCATTRK1TRAFIC3","SY(RECTRC58,ORIENT);TE('%03.0lf deg','ORIENT',3,2,2,'15110',4,0,CHBLK,11);LC(NAVARE51)","6","S","STANDARD","25020"
"RECTRC","ORIENTCATTRK1TRAFIC4","SY(RECTRC56,ORIENT);TE('%03.0lf deg','ORIENT',3,2,2,'15110',4,0,CHBLK,11);LC(NAVARE51)","6","S","STANDARD","25020"
"RECTRC","ORIENTCATTRK2TRAFIC1","SY(RECTRC57,ORIENT);TE('%03.0lf deg','ORIENT',3,2,2,'15110',4,0,CHBLK,11);LC(NAVARE51)","6","S","STANDARD","25020"
"RECTRC","ORIENTCATTRK2TRAFIC2","SY(RECTRC57,ORIENT);TE('%03.0lf deg','ORIENT',3,2,2,'15110',4,0,CHBLK,11);LC(NAVARE51)","6","S","STANDARD","25020"
"RECTRC","ORIENTCATTRK2TRAFIC3","SY(RECTRC57,ORIENT);TE('%03.0lf deg','ORIENT',3,2,2,'15110',4,0,CHBLK,11);LC(NAVARE51)","6","S","STANDARD","25020"
"RECTRC","ORIENTCATTRK2TRAFIC4","SY(RECTRC55,ORIENT);TE('%03.0lf deg','ORIENT',3,2,2,'15110',4,0,CHBLK,11);LC(NAVARE51)","6","S","STANDARD","25020"
"RECTRC","ORIENTTRAFIC1","SY(RECTRC57,ORIENT);TE('%03.0lf deg','ORIENT',3,2,2,'15110',4,0,CHBLK,11);LC(NAVARE51)","6","S","STANDARD","25020"
"RECTRC","ORIENTTRAFIC2","SY(RECTRC57,ORIENT);TE('%03.0lf deg','ORIENT',3,2,2,'15110',4,0,CHBLK,11);LC(NAVARE51)","6","S","STANDARD","25020"
"RECTRC","ORIENTTRAFIC3","SY(RECTRC57,ORIENT);TE('%03.0lf deg','ORIENT',3,2,2,'15110',4,0,CHBLK,11);LC(NAVARE51)","6","S","STANDARD","25020"
"RECTRC","ORIENTTRAFIC4","SY(RECTRC55,ORIENT);TE('%03.0lf deg','ORIENT',3,2,2,'15110',4,0,CHBLK,11);LC(NAVARE51)","6","S","STANDARD","25020"
"RESARE","","CS(RESARE03)","5","S","STANDARD","26010"
"RESARE","CATREA27","SY(ESSARE01);LC(ESSARE01)","5","S","STANDARD","26010"
"RESARE","CATREA28","SY(PSSARE01);LC(ESSARE01)","5","S","STANDARD","26010"
"RIVERS","","AC(DEPVS);LS(SOLD,1,CHBLK)","2","S","DISPLAYBASE","12420"
"ROADWY","","AC(LANDA);LS(SOLD,1,LANDF)","4","S","OTHER","32250"
"RUNWAY","","AC(CHBRN)","5","S","OTHER","32240"
"RUNWAY","CONVIS1","AC(CHBRN);LS(SOLD,1,CHBLK)","5","S","STANDARD","22220"
"SBDARE","","TX(NATSUR,1,2,2,'15110',0,0,CHBLK,25)","3","O","OTHER","34010"
"SBDARE","WATLEV3NATSUR","TX(NATSUR,1,2,2,'15110',0,0,CHBLK,25);LS(DASH,1,CHGRD)","3","S","OTHER","34010"
"SBDARE","WATLEV4NATSUR9","AP(RCKLDG01);LS(DASH,1,CHGRD)","3","S","OTHER","34010"
"SBDARE","WATLEV4NATSUR11","AP(RCKLDG01);LS(DASH,1,CHGRD)","3","S","OTHER","34010"
"SBDARE","WATLEV4NATSUR14","AP(RCKLDG01);LS(DASH,1,CHGRD)","3","S","OTHER","34010"
"SBDARE","WATLEV4NATSUR","TX(NATSUR,1,2,2,'15110',0,0,CHBLK,25);LS(DASH,1,CHGRD)","3","S","OTHER","34010"
"SEAARE","","TX(OBJNAM,1,2,3,'15110',0,0,CHBLK,26)","3","S","STANDARD","21060"
"SILTNK","","AC(CHBRN);LS(SOLD,1,LANDF)","4","S","OTHER","32220"
"SILTNK","CONVIS1","AC(CHBRN);LS(SOLD,1,CHBLK)","4","S","STANDARD","22220"

"SLCONS","","CS(SLCONS03)","7","S","DISPLAYBASE","12410"
"SLOGRD","","","","","",""
"SLOGRD","CATSLO6","AC(CHGRD);LS(SOLD,1,CHBLK)","3","S","OTHER","32010"
"SMCFAC","","AC(CHBRN);SY(SMCFAC02);LS(SOLD,1,LANDF)","4","S","OTHER","38210"
"SNDWAV","","AP(SNDWAV01);LC(NAVARE51)","4","S","STANDARD","24010"
"SPLARE","","SY(CTYARE51);LC(CTYARE51);CS(RESTRN01)","4","S","STANDARD","26040"
"SUBTLN","","SY(CTYARE51);LC(CTYARE51);CS(RESTRN01)","4","S","STANDARD","26040"
"SWPARE","","SY(SWPARE51);TE('swept to %5.1lf','DRVAL1',1,2,2,'15110',0,1,CHBLK,27);LC(NAVARE51)","4","S","STANDARD","23030"
"T_HMON","","SY(TIDEHT01);LC(TIDINF51)","2","S","OTHER","33050"
"T_NHMN","","SY(TIDEHT01);LC(TIDINF51)","2","S","OTHER","33050"
"T_TIMS","","SY(TIDEHT01);LC(TIDINF51)","2","S","OTHER","33050"
"TS_FEB","","SY(CURDEF01);LC(TIDINF51)","2","S","OTHER","33060"
"TS_FEB","CAT_TS1ORIENT","SY(FLDSTR01,ORIENT);TE('%4.1lf kn','CURVEL',3,1,2,'15110',1,-1,CHBLK,31)","4","S","OTHER","33060"
"TS_FEB","CAT_TS2ORIENT","SY(EBBSTR01,ORIENT);TE('%4.1lf kn','CURVEL',3,1,2,'15110',1,-1,CHBLK,31)","4","S","OTHER","33060"
"TS_FEB","CAT_TS3ORIENT","SY(CURENT01,ORIENT);TE('%4.1lf kn','CURVEL',3,1,2,'15110',1,-1,CHBLK,31)","4","S","OTHER","33060"
"TS_PAD","","SY(TIDSTR01);LC(TIDINF51)","2","S","OTHER","33060"
"TS_PNH","","SY(TIDSTR01);LC(TIDINF51)","2","S","OTHER","33060"
"TS_PRH","","SY(TIDSTR01);LC(TIDINF51)","2","S","OTHER","33060"
"TS_TIS","","SY(TIDSTR01);LC(TIDINF51)","2","S","OTHER","33060"
"TESARE","","LS(DASH,2,CHGRF);CS(RESTRN01)","2","S","OTHER","36050"
"TIDEWY","","LS(DASH,1,CHGRF);TX(OBJNAM,1,2,3,'15110',0,0,CHBLK,25)","7","S","OTHER","32070"
"TSEZNE","","AC(TRFCF,3)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"TSSCRS","","AP(TSSJCT02);SY(TSSCRS51);CS(RESTRN01)","6","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"TSSLPT","","AP(TSSJCT02);SY(CTNARE51);TX(INFORM,1,1,2,'15110',0,-2,CHBLK,24);CS(RESTRN01)","6","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"TSSLPT","ORIENT","SY(TSSLPT51,ORIENT);CS(RESTRN01)","6","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"TSSRON","","AP(TSSJCT02);SY(TSSRON51);CS(RESTRN01)","6","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"TUNNEL","","LS(DASH,1,CHGRD)","4","S","OTHER","32250"
"TUNNEL","BURDEP0","AC(DEPVS);LS(DASH,1,CHBLK)","4","S","STANDARD","24010"
"TWRTPT","","SY(TWRDEF51);LC(CTYARE51)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"TWRTPT","ORIENTTRAFIC1","SY(TWRPT53,ORIENT);LC(CTYARE51)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"TWRTPT","ORIENTTRAFIC2","SY(TWRPT53,ORIENT);LC(CTYARE51)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"TWRTPT","ORIENTTRAFIC3","SY(TWRPT53,ORIENT);LC(CTYARE51)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"TWRTPT","ORIENTTRAFIC4","SY(TWRPT52,ORIENT);LC(CTYARE51)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"UNSARE","","AC(NODTA);AP(NODATA03);LS(SOLD,2,CHGRD)","1","S","DISPLAYBASE","11050"
"VEGATN","","","","","",""
"VEGATN","CATVEG7","AP(VEGATN04);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG21","AP(VEGATN04);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG3","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG4","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG5","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG6","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG13","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG14","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG15","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG16","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG17","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG18","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG19","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG20","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"

```
"VEGATN","CATVEG22","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"WATTUR","","SY(WATTUR02);LS(DASH,1,CHGRD)","4","S","OTHER","33040"
"WEDKLP","","SY(WEDKLP03);LS(DASH,1,CHGRF)","3","O","OTHER","34020"
"WRECKS","","CS(WRECKS04)","4","S","OTHER","34050"
"WRECKS","CATWRK3VALSOU","LC(NAVARE51)","4","S","OTHER","34051"
"WRECKS","CATWRK3","LC(NAVARE51)","4","S","OTHER","34050"
*
* ***                           ***
* *** section two: NON-STANDARD CLASSES ***
* ***                           ***
*
*Note: category "DISPLAYBASE" should not be removed from the display.
*For non-standard classes, all category "MARINERS STANDARD" and "MARINERS OTHER"
*should be drawn when "STANDARD DISPLAY" is drawn, and thereafter may be re-assigned
*to the category of choosen by the mariner.
*
"dnghlt","","AC(DNGHL,3);LS(SOLD,3,DNGHL)","8","O","MARINERS STANDARD","53010"
"marfea","","AC(ADINF,3);TX(OBJNAM,1,2,3,'15110',0,0,CHBLK,50);LS(SOLD,2,NINFO);LS(SOLD,1,CHBLK)","8","S","MARINERS STANDARD","53050"
"mnufea","","LS(DASH,2,ADINF)","5","S","MARINERS STANDARD","55010"
*
* ***              ***
* *** end of look-up table ***
* ***              ***
```

## 11.3.2    Look-up Table for areas with plain boundaries

```
* *** AREAS WITH PLAIN BOUNDARIES             ***
* *** This is the look-up table for area symbolization.  ***
* *** For edition 3.3 Preslib, dated March 2004   ******
```
**`* *** For edition 3.4 Preslib, dated January 2008    ******`**
```
*
* Each line contains minimum 6 fields:
*  1. field - code of the object class
*  2. field - attribute combination
*  3. field - symbolization instruction
*  4. field - display priority
*  5. field - radar
*  6. field - IMO display category
*  7. field - viewing group (optional)
*
* Each field entry is framed by '"' and fields are separated by ','.
```

```
*
* Please note, that the entries to this table must be in
* alphabetic order (sorted by the class code).
*
* This table has 2 sections:
*
* - The first section contains symbolization instructions for
*   standard S-57 'real world' objects:
* - The second section contains symbolization instructions for
*   non-standard (class code in lowercase) objects:
*
* default for symbolization failure; must be the first entry to look-up table
"#####","","SY(QUESMRK1);LS(DASH,1,CHMGD)","5","S","STANDARD","21010"
*
* ***                          ***
* *** section one: REAL WORLD CLASSES ***
* ***                          ***
*
"ACHARE","","SY(ACHARE51);LS(DASH,2,CHMGF);CS(RESTRN01)","3","S","STANDARD","26220"
"ACHARE","CATACH8","SY(ACHARE02);LS(DASH,2,CHMGF);CS(RESTRN01)","3","S","STANDARD","26220"
"ACHBRT","","SY(ACHBRT07);TE('Nr %s','OBJNAM',3,1,2,'15110',1,0,CHBLK,29);LS(DASH,2,CHMGF)","5","S","STANDARD","26220"
"ADMARE","","LS(DASH,2,CHGRF)","2","S","OTHER","36050"
"AIRARE","","AP(AIRARE02);LS(SOLD,1,LANDF)","2","S","OTHER","32240"
"AIRARE","CONVIS1","AC(LANDA);AP(AIRARE02);LS(SOLD,1,CHBLK)","2","S","STANDARD","22220"
"ARCSLN","","LC(ARCSLN01)","5","S","STANDARD","26260"
"BERTHS","","SY(BRTHNO01);TE('Nr %s','OBJNAM',3,1,2,'15110',1,0,CHBLK,29)","3","S","OTHER","32440"
"BRIDGE","","TX(OBJNAM,3,1,2,'15110',1,0,CHBLK,21);TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,1,CHBLK,11);LS(SOLD,4,CHGRD)","8","O","DISPLAYBASE","12210"
"BRIDGE","CATBRG2","SY(BRIDGE01);TE('clr cl %4.1lf','VERCCL',3,1,2,'15110',1,0,CHBLK,11);TE('clr op
%4.1lf','VERCOP',3,1,2,'15110',1,1,CHBLK,11);LS(SOLD,4,CHGRD)","8","O","DISPLAYBASE","12210"
"BRIDGE","CATBRG3","SY(BRIDGE01);TE('clr cl %4.1lf','VERCCL',3,1,2,'15110',1,0,CHBLK,11);TE('clr op
%4.1lf','VERCOP',3,1,2,'15110',1,1,CHBLK,11);LS(SOLD,4,CHGRD)","8","O","DISPLAYBASE","12210"
"BRIDGE","CATBRG4","SY(BRIDGE01);TE('clr cl %4.1lf','VERCCL',3,1,2,'15110',1,0,CHBLK,11);TE('clr op
%4.1lf','VERCOP',3,1,2,'15110',1,1,CHBLK,11);LS(SOLD,4,CHGRD)","8","O","DISPLAYBASE","12210"
"BRIDGE","CATBRG5","SY(BRIDGE01);TE('clr cl %4.1lf','VERCCL',3,1,2,'15110',1,0,CHBLK,11);TE('clr op
%4.1lf','VERCOP',3,1,2,'15110',1,1,CHBLK,11);LS(SOLD,4,CHGRD)","8","O","DISPLAYBASE","12210"
"BRIDGE","CATBRG7","SY(BRIDGE01);TE('clr cl %4.1lf','VERCCL',3,1,2,'15110',1,0,CHBLK,11);TE('clr op
%4.1lf','VERCOP',3,1,2,'15110',1,1,CHBLK,11);LS(SOLD,4,CHGRD)","8","O","DISPLAYBASE","12210"
"BRIDGE","CATBRG8","SY(BRIDGE01);TE('clr cl %4.1lf','VERCCL',3,1,2,'15110',1,0,CHBLK,11);TE('clr op
%4.1lf','VERCOP',3,1,2,'15110',1,1,CHBLK,11);LS(SOLD,4,CHGRD)","8","O","DISPLAYBASE","12210"
"BUAARE","","AC(CHBRN);TX(OBJNAM,1,2,3,'15110',0,0,CHBLK,26);LS(SOLD,1,LANDF)","3","S","STANDARD","22240"
"BUISGL","","AC(CHBRN);LS(SOLD,1,LANDF)","4","S","OTHER","32220"
"BUISGL","FUNCTN33CONVIS1","AC(CHBRN);TX(OBJNAM,1,2,2,'15110',0,0,CHBLK,26);LS(SOLD,1,CHBLK)","4","S","STANDARD","22220"
"BUISGL","FUNCTN33","AC(CHBRN);TX(OBJNAM,1,2,2,'15110',0,0,CHBLK,26);LS(SOLD,1,LANDF)","4","S","OTHER","32220"
"BUISGL","CONVIS1","AC(CHBRN);LS(SOLD,1,CHBLK)","4","S","STANDARD","22220"
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"CANALS","","AC(DEPVS);LS(SOLD,1,CHBLK)","2","S","DISPLAYBASE","12420"
"CANALS","CONDTN","AC(DEPVS);LS(DASH,1,CHBLK)","2","S","DISPLAYBASE","12420"
"CAUSWY","","AC(CHBRN);LS(SOLD,1,CSTLN)","5","S","STANDARD","22010"
"CAUSWY","WATLEV4","AC(DEPIT);LS(DASH,2,CSTLN)","5","S","STANDARD","22010"
"CBLARE","","SY(CBLARE51);LS(DASH,2,CHMGD);CS(RESTRN01)","3","S","STANDARD","26230"
"CHKPNT","","SY(POSGEN04)","4","S","OTHER","32410"
"CONVYR","","TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,0,CHBLK,11);LS(SOLD,3,CHGRD)","8","O","DISPLAYBASE","12210"
"CONVYR","CONRAD1","SY(RACNSP01);TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,0,CHBLK,11);LS(SOLD,3,CHGRD)","8","O","DISPLAYBASE","12210"
"CONVYR","CONRAD3","SY(RACNSP01);TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,0,CHBLK,11);LS(SOLD,3,CHGRD)","8","O","DISPLAYBASE","12210"
"CONZNE","","LS(DASH,2,CHGRF)","2","S","OTHER","36050"
"COSARE","","LS(DASH,2,CHGRF)","2","S","OTHER","36010"
"CRANES","","AC(CHBRN);LS(SOLD,1,LANDF)","4","S","OTHER","32440"
"CRANES","CONVIS1","AC(CHBRN);LS(SOLD,1,CHBLK)","4","S","STANDARD","22220"
"CTNARE","","SY(CTNARE51);LS(DASH,2,TRFCD)","3","S","STANDARD","26050"
"CTSARE","","SY(INFARE51);LS(DASH,1,CHMGF)","3","S","STANDARD","26250"
"CUSZNE","","LS(DASH,1,CHGRF)","2","S","OTHER","36020"
"DAMCON","","AC(CHBRN);LS(SOLD,1,LANDF)","3","S","STANDARD","22010"
"DAMCON","CATDAM3","AC(CHBRN);LS(SOLD,2,CSTLN)","6","S","DISPLAYBASE","12410"
"DEPARE","","CS(DEPARE02)","1","S","DISPLAYBASE","13030"
"DEPARE","DRVAL1?DRVAL2?","AC(NODTA);AP(PRTSUR01);LS(SOLD,2,CHGRD)","1","S","DISPLAYBASE","13030"
"DMPGRD","","SY(INFARE51);LS(DASH,1,CHMGD);CS(RESTRN01)","3","S","STANDARD","26240"
"DOCARE","","AC(DEPVS);TX(OBJNAM,1,2,3,'15110',0,0,CHBLK,26);LS(SOLD,1,CHBLK)","2","S","DISPLAYBASE","12420"
"DOCARE","CONDTN","AC(DEPVS);TX(OBJNAM,1,2,3,'15110',0,0,CHBLK,26);LS(DASH,1,CHBLK)","2","S","DISPLAYBASE","12420"
"DRGARE","","CS(DEPARE02)","1","S","DISPLAYBASE","13030"
"DRYDOC","","AC(LANDA);LS(SOLD,1,CSTLN)","4","S","OTHER","32440"
"DWRTPT","","SY(TSLDEF51);SY(DWRTPT51);LS(DASH,3,TRFCD);CS(RESTRN01)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"DWRTPT","ORIENTTRAFIC1","SY(TSSLPT51,ORIENT);SY(DWRTPT51);LS(DASH,3,TRFCD);CS(RESTRN01)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"DWRTPT","ORIENTTRAFIC2","SY(TSSLPT51,ORIENT);SY(DWRTPT51);LS(DASH,3,TRFCD);CS(RESTRN01)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"DWRTPT","ORIENTTRAFIC3","SY(TSSLPT51,ORIENT);SY(DWRTPT51);LS(DASH,3,TRFCD);CS(RESTRN01)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"DWRTPT","ORIENTTRAFIC4","SY(DWRUTE51,ORIENT);SY(DWRTPT51);LS(DASH,3,TRFCD);CS(RESTRN01)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"DYKCON","","AC(CHBRN);LS(SOLD,1,LANDF)","3","S","STANDARD","22010"
"EXEZNE","","LS(DASH,2,CHGRF)","2","S","OTHER","36050"
"FAIRWY","","LS(DASH,1,CHGRD);CS(RESTRN01)","4","S","STANDARD","26050"
"FAIRWY","ORIENTTRAFIC1","SY(FAIRWY51,ORIENT);LS(DASH,1,CHGRD);CS(RESTRN01)","4","S","STANDARD","26050"
"FAIRWY","ORIENTTRAFIC2","SY(FAIRWY51,ORIENT);LS(DASH,1,CHGRD);CS(RESTRN01)","4","S","STANDARD","26050"
"FAIRWY","ORIENTTRAFIC3","SY(FAIRWY51,ORIENT);LS(DASH,1,CHGRD);CS(RESTRN01)","4","S","STANDARD","26050"
"FAIRWY","ORIENTTRAFIC4","SY(FAIRWY52,ORIENT);LS(DASH,1,CHGRD);CS(RESTRN01)","4","S","STANDARD","26050"
"FERYRT","","SY(FRYARE51);LS(DASH,2,CHMGD)","3","S","STANDARD","26040"
"FERYRT","CATFRY2","SY(FRYARE52);LS(DASH,2,CHBLK)","3","S","STANDARD","26040"
"FLODOC","","AC(CHBRN);LS(SOLD,2,CSTLN)","5","S","DISPLAYBASE","12410"
"FORSTC","","AC(CHBRN);LS(SOLD,1,LANDF)","4","S","OTHER","32220"
"FORSTC","CONVIS1","AC(CHBRN);LS(SOLD,1,CHBLK)","4","S","STANDARD","22220"
"FRPARE","","LS(DASH,2,CHGRF)","2","S","OTHER","36020"
"FSHFAC","","AP(FSHHAV02);LS(DASH,1,CHGRD)","4","S","OTHER","34040"
"FSHFAC","CATFIF1","AP(FSHFAC03);LS(DASH,1,CHGRD)","4","S","OTHER","34040"
"FSHFAC","CATFIF2","AP(FSHFAC04);LS(DASH,1,CHGRD)","4","S","OTHER","34040"
"FSHFAC","CATFIF3","AP(FSHFAC04);LS(DASH,1,CHGRD)","4","S","OTHER","34040"
"FSHFAC","CATFIF4","AP(FSHFAC04);LS(DASH,1,CHGRD)","4","S","OTHER","34040"
"FSHGRD","","SY(FSHGRD01);LS(DASH,2,CHGRF)","3","S","STANDARD","26210"
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"FSHZNE","","LS(DASH,2,CHGRF)","2","S","OTHER","36040"
"GATCON","","AC(CHBRN);LS(SOLD,2,CSTLN)","8","S","DISPLAYBASE","12410"
"GRIDRN","","LS(DASH,1,CHGRD)","5","S","OTHER","32460"
"HRBARE","","LS(DASH,2,CHGRD)","2","S","OTHER","36020"
"HRBFAC","","SY(CHINFO07)","4","S","OTHER","32410"
"HRBFAC","CATHAF1","SY(ROLROL01)","4","S","OTHER","32410"
"HRBFAC","CATHAF4","SY(HRBFAC09)","4","S","OTHER","32410"
"HRBFAC","CATHAF5","SY(SMCFAC02)","4","S","OTHER","32410"
"HULKES","","AC(CHBRN);LS(SOLD,2,CSTLN)","5","S","DISPLAYBASE","12410"
"ICEARE","","AC(NODTA);AP(ICEARE04);LS(DASH,1,CHGRD)","3","S","DISPLAYBASE","12410"
"ICNARE","","SY(INFARE51);LS(DASH,1,CHMGF);CS(RESTRN01)","3","S","STANDARD","26250"
"ISTZNE","","SY(ITZARE51);LS(DASH,1,TRFCD);CS(RESTRN01)","5","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"LAKARE","","AC(DEPVS);LS(SOLD,1,CHBLK)","2","S","STANDARD","22010"
"LNDARE","","AC(LANDA);TX(OBJNAM,1,2,3,'15110',-1,-1,CHBLK,26)","1","S","DISPLAYBASE","12010"
"LNDMRK","","AC(CHBRN);LS(SOLD,1,LANDF)","4","S","OTHER","32220"
"LNDMRK","CATLMK17FUNCTN33CONVIS1","AC(CHBRN);TX(OBJNAM,1,2,2,'15110',0,0,CHBLK,26);LS(SOLD,1,CHBLK)","4","S","STANDARD","22220"
"LNDMRK","CATLMK17FUNCTN33","AC(CHBRN);TX(OBJNAM,1,2,2,'15110',0,0,CHBLK,26);LS(SOLD,1,LANDF)","4","S","OTHER","32220"
"LNDMRK","CONVIS1","AC(CHBRN);LS(SOLD,1,CHBLK)","4","S","STANDARD","22220"
"LNDRGN","","TX(OBJNAM,1,2,3,'15110',0,0,CHBLK,26)","3","S","STANDARD","21060"
"LNDRGN","CATLND2","AP(MARSHES1)","3","S","STANDARD","21060"
"LNDRGN","CATLND12","AP(MARSHES1)","3","S","STANDARD","21060"
"LOCMAG","","SY(LOCMAG51);LS(DASH,1,CHGRD)","4","S","OTHER","31080"
"LOGPON","","SY(FLTHAZ02);LS(DASH,1,CHBLK)","5","S","DISPLAYBASE","12410"
"LOKBSN","","AC(DEPVS);LS(SOLD,1,CHBLK)","2","S","DISPLAYBASE","12420"
"M_ACCY","","","","","",""
"M_COVR","","CS(DATCVR02)","1","S","OTHER","31040"
"M_CSCL","","CS(DATCVR02)","1","S","OTHER","31040"
"M_HOPA","","","","","",""
"M_NPUB","","","","","",""
"M_NSYS","","LC(MARSYS51)","4","S","STANDARD","27040"
"M_NSYS","MARSYS1ORIENT","SY(DIRBOYA1,ORIENT);LS(DASH,1,CHGRD)","4","S","STANDARD","27040"
"M_NSYS","MARSYS2ORIENT","SY(DIRBOYB1,ORIENT);LS(DASH,1,CHGRD)","4","S","STANDARD","27040"
"M_NSYS","ORIENT","SY(DIRBOY01,ORIENT);LS(DASH,1,CHGRD)","4","S","STANDARD","27040"
"M_QUAL","","AP(NODATA03);LS(DASH,2,CHGRD)","4","S","OTHER","31010"
"M_QUAL","CATZOC1","AP(DQUALA11);LS(DASH,2,CHGRD)","4","S","OTHER","31010"
"M_QUAL","CATZOC2","AP(DQUALA21);LS(DASH,2,CHGRD)","4","S","OTHER","31010"
"M_QUAL","CATZOC3","AP(DQUALB01);LS(DASH,2,CHGRD)","4","S","OTHER","31010"
"M_QUAL","CATZOC4","AP(DQUALC01);LS(DASH,2,CHGRD)","4","S","OTHER","31010"
"M_QUAL","CATZOC5","AP(DQUALD01);LS(DASH,2,CHGRD)","4","S","OTHER","31010"
"M_QUAL","CATZOC6","AP(DQUALU01);LS(DASH,2,CHGRD)","4","S","OTHER","31010"
"M_SDAT","","","","","",""
"M_SREL","","","","","",""
"M_VDAT","","","","","",""
"MAGVAR","","SY(MAGVAR51)","4","S","OTHER","31080"
"MARCUL","","AP(MARCUL02);LS(DASH,1,CHGRD);CS(RESTRN01)","3","S","STANDARD","26210"
"MIPARE","","SY(CTYARE51);LS(DASH,2,CHMGD);CS(RESTRN01)","4","S","STANDARD","26040"
"MORFAC","","AC(CHBRN);LS(SOLD,1,CHBLK)","6","S","DISPLAYBASE","12410"
"NEWOBJ","","SY(NEWOBJ01);LS(DASH,2,CHMGD)","6","S","STANDARD","21020"
"NEWOBJ","SYMINS","CS(SYMINS01)","6","S","STANDARD","21020"
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"OBSTRN","","CS(OBSTRN06)","4","S","OTHER","34050"
"OBSTRN","CATOBS7VALSOU","SY(FOULGND1);LS(DASH,1,CHGRD)","4","S","OTHER","34051"
"OBSTRN","CATOBS7","SY(FOULGND1);LS(DASH,1,CHGRD)","4","S","OTHER","34050"
"OBSTRN","CATOBS8","SY(FLTHAZ02);LS(DASH,1,CSTLN)","4","S","DISPLAYBASE","12410"
"OBSTRN","CATOBS9","SY(ACHARE02);LS(DASH,1,CHMGD)","4","S","DISPLAYBASE","12410"
"OBSTRN","CATOBS10","SY(FLTHAZ02);LS(DASH,1,CSTLN)","4","S","DISPLAYBASE","12410"
"OBSTRN","WATLEV7","SY(FLTHAZ02);LS(DASH,1,CSTLN)","4","S","DISPLAYBASE","12410"
"OFSPLF","","AC(CHBRN);LS(SOLD,4,CSTLN);TE('Prod %s','OBJNAM',3,1,2,'15110',1,-1,CHBLK,21)","5","O","DISPLAYBASE","12210"
"OSPARE","","SY(CTYARE51);LS(DASH,2,CHMGD);CS(RESTRN01)","4","S","STANDARD","26040"
"PILBOP","","SY(PILBOP02);LS(DASH,2,TRFCF)","4","S","STANDARD","28010"
"PIPARE","","SY(INFARE51);LS(DASH,2,CHMGD);CS(RESTRN01)","3","S","STANDARD","26230"
"PIPARE","CATPIP2","SY(INFARE51);LS(DASH,2,CHGRD);CS(RESTRN01)","3","S","STANDARD","26230"
"PIPARE","CATPIP3","SY(INFARE51);LS(DASH,2,CHGRD);CS(RESTRN01)","3","S","STANDARD","26230"
"PIPARE","PRODCT3","SY(INFARE51);LS(DASH,2,CHGRD);CS(RESTRN01)","3","S","STANDARD","26230"
"PONTON","","AC(CHBRN);LS(SOLD,2,CSTLN)","5","S","DISPLAYBASE","12410"
"PRCARE","","SY(PRCARE51);LS(DASH,2,TRFCD);CS(RESTRN01)","4","S","DISPLAYBASESTANDARD","15010 25010"
"PRDARE","","LS(DASH,1,LANDF)","4","S","OTHER","32270"
"PRDARE","CATPRA5CONVIS1","SY(RFNERY11);LS(DASH,1,CHBLK)","4","S","STANDARD","22220"
"PRDARE","CATPRA8CONVIS1","SY(TNKFRM11);LS(DASH,1,CHBLK)","4","S","STANDARD","22220"
"PRDARE","CATPRA9CONVIS1","SY(WNDFRM61);LS(DASH,1,CHBLK)","4","S","STANDARD","22220"
"PRDARE","CATPRA1","SY(QUARRY01);LS(DASH,1,LANDF)","4","S","OTHER","32270"
"PRDARE","CATPRA5","SY(RFNERY01);LS(DASH,1,LANDF)","4","S","OTHER","32270"
"PRDARE","CATPRA6","SY(TMBYRD01);LS(DASH,1,LANDF)","4","S","OTHER","32270"
"PRDARE","CATPRA8","SY(TNKFRM01);LS(DASH,1,LANDF)","4","S","OTHER","32270"
"PRDARE","CATPRA9","SY(WNDFRM51);LS(DASH,1,LANDF)","4","S","OTHER","32270"
"PYLONS","","AC(CHBRN);LS(SOLD,2,CSTLN)","6","S","DISPLAYBASE","12210"
"RADRNG","","LS(DASH,1,TRFCF)","3","S","STANDARD","25040"
"RAPIDS","","AC(CHGRD)","3","S","OTHER","32050"
"RCTLPT","","SY(RTLDEF51)","4","S","DISPLAYBASESTANDARD","15020 25020"
"RCTLPT","ORIENT","SY(RCTLPT52,ORIENT)","4","S","DISPLAYBASESTANDARD","15020 25020"
"RECTRC","","SY(RECDEF51);LS(DASH,1,CHGRD)","6","S","STANDARD","25020"
"RECTRC","ORIENTCATTRK1TRAFIC1","SY(RECTRC58,ORIENT);TE('%03.0lf deg','ORIENT',3,2,2,'15110',4,0,CHBLK,11);LS(DASH,1,CHGRD)","6","S","STANDARD","25020"
"RECTRC","ORIENTCATTRK1TRAFIC2","SY(RECTRC58,ORIENT);TE('%03.0lf deg','ORIENT',3,2,2,'15110',4,0,CHBLK,11);LS(DASH,1,CHGRD)","6","S","STANDARD","25020"
"RECTRC","ORIENTCATTRK1TRAFIC3","SY(RECTRC58,ORIENT);TE('%03.0lf deg','ORIENT',3,2,2,'15110',4,0,CHBLK,11);LS(DASH,1,CHGRD)","6","S","STANDARD","25020"
"RECTRC","ORIENTCATTRK1TRAFIC4","SY(RECTRC56,ORIENT);TE('%03.0lf deg','ORIENT',3,2,2,'15110',4,0,CHBLK,11);LS(DASH,1,CHGRD)","6","S","STANDARD","25020"
"RECTRC","ORIENTCATTRK2TRAFIC1","SY(RECTRC57,ORIENT);TE('%03.0lf deg','ORIENT',3,2,2,'15110',4,0,CHBLK,11);LS(DASH,1,CHGRD)","6","S","STANDARD","25020"
"RECTRC","ORIENTCATTRK2TRAFIC2","SY(RECTRC57,ORIENT);TE('%03.0lf deg','ORIENT',3,2,2,'15110',4,0,CHBLK,11);LS(DASH,1,CHGRD)","6","S","STANDARD","25020"
"RECTRC","ORIENTCATTRK2TRAFIC3","SY(RECTRC57,ORIENT);TE('%03.0lf deg','ORIENT',3,2,2,'15110',4,0,CHBLK,11);LS(DASH,1,CHGRD)","6","S","STANDARD","25020"
"RECTRC","ORIENTCATTRK2TRAFIC4","SY(RECTRC55,ORIENT);TE('%03.0lf deg','ORIENT',3,2,2,'15110',4,0,CHBLK,11);LS(DASH,1,CHGRD)","6","S","STANDARD","25020"
"RECTRC","ORIENTTRAFIC1","SY(RECTRC57,ORIENT);TE('%03.0lf deg','ORIENT',3,2,2,'15110',4,0,CHBLK,11);LS(DASH,1,CHGRD)","6","S","STANDARD","25020"
"RECTRC","ORIENTTRAFIC2","SY(RECTRC57,ORIENT);TE('%03.0lf deg','ORIENT',3,2,2,'15110',4,0,CHBLK,11);LS(DASH,1,CHGRD)","6","S","STANDARD","25020"
"RECTRC","ORIENTTRAFIC3","SY(RECTRC57,ORIENT);TE('%03.0lf deg','ORIENT',3,2,2,'15110',4,0,CHBLK,11);LS(DASH,1,CHGRD)","6","S","STANDARD","25020"
"RECTRC","ORIENTTRAFIC4","SY(RECTRC55,ORIENT);TE('%03.0lf deg','ORIENT',3,2,2,'15110',4,0,CHBLK,11);LS(DASH,1,CHGRD)","6","S","STANDARD","25020"
"RESARE","","CS(RESARE03)","5","S","STANDARD","26010"
"RESARE","CATREA27","SY(ESSARE01);LC(ESSARE01)","5","S","STANDARD","26010"
"RESARE","CATREA28","SY(PSSARE01);LC(ESSARE01)","5","S","STANDARD","26010"
"RIVERS","","AC(DEPVS);LS(SOLD,1,CHBLK)","2","S","DISPLAYBASE","12420"
"ROADWY","","AC(LANDA);LS(SOLD,1,LANDF)","4","S","OTHER","32250"
"RUNWAY","","AC(CHBRN)","5","S","OTHER","32240"
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"RUNWAY","CONVIS1","AC(CHBRN);LS(SOLD,1,CHBLK)","5","S","STANDARD","22220"
"SBDARE","","TX(NATSUR,1,2,2,'15110',0,0,CHBLK,25)","3","O","OTHER","34010"
"SBDARE","WATLEV3NATSUR","TX(NATSUR,1,2,2,'15110',0,0,CHBLK,25);LS(DASH,1,CHGRD)","3","S","OTHER","34010"
"SBDARE","WATLEV4NATSUR9","AP(RCKLDG01);LS(DASH,1,CHGRD)","3","S","OTHER","34010"
"SBDARE","WATLEV4NATSUR11","AP(RCKLDG01);LS(DASH,1,CHGRD)","3","S","OTHER","34010"
"SBDARE","WATLEV4NATSUR14","AP(RCKLDG01);LS(DASH,1,CHGRD)","3","S","OTHER","34010"
"SBDARE","WATLEV4NATSUR","TX(NATSUR,1,2,2,'15110',0,0,CHBLK,25);LS(DASH,1,CHGRD)","3","S","OTHER","34010"
"SEAARE","","TX(OBJNAM,1,2,3,'15110',0,0,CHBLK,26)","3","S","STANDARD","21060"
"SILTNK","","AC(CHBRN);LS(SOLD,1,LANDF)","4","S","OTHER","32220"
"SILTNK","CONVIS1","AC(CHBRN);LS(SOLD,1,CHBLK)","4","S","STANDARD","22220"
"SLCONS","","CS(SLCONS03)","7","S","DISPLAYBASE","12410"
"SLOGRD","","","","",""
"SLOGRD","CATSLO6","AC(CHGRD)","3","S","OTHER","32010"
"SMCFAC","","AC(CHBRN);SY(SMCFAC02);LS(SOLD,1,LANDF)","4","S","OTHER","38210"
"SNDWAV","","AP(SNDWAV01);LS(DASH,2,CHGRD)","4","S","STANDARD","24010"
"SPLARE","","SY(CTYARE51);LS(DASH,1,CHMGD);CS(RESTRN01)","4","S","STANDARD","26040"
"SUBTLN","","SY(CTYARE51);LS(DASH,1,CHMGD);CS(RESTRN01)","4","S","STANDARD","26040"
"SWPARE","","SY(SWPARE51);TE('swept to %5.1lf','DRVAL1',1,2,2,'15110',0,1,CHBLK,27);LS(DASH,1,CHGRD)","4","S","STANDARD","23030"
"T_HMON","","SY(TIDEHT01);LS(DASH,1,CHGRD)","2","S","OTHER","33050"
"T_NHMN","","SY(TIDEHT01);LS(DASH,1,CHGRD)","2","S","OTHER","33050"
"T_TIMS","","SY(TIDEHT01);LS(DASH,1,CHGRD)","2","S","OTHER","33050"
"TS_FEB","","SY(CURDEF01);LS(DASH,1,CHGRD)","2","S","OTHER","33060"
"TS_FEB","CAT_TS1ORIENT","SY(FLDSTR01,ORIENT);TE('%4.1lf kn','CURVEL',3,1,2,'15110',1,-1,CHBLK,31)","4","S","OTHER","33060"
"TS_FEB","CAT_TS2ORIENT","SY(EBBSTR01,ORIENT);TE('%4.1lf kn','CURVEL',3,1,2,'15110',1,-1,CHBLK,31)","4","S","OTHER","33060"
"TS_FEB","CAT_TS3ORIENT","SY(CURENT01,ORIENT);TE('%4.1lf kn','CURVEL',3,1,2,'15110',1,-1,CHBLK,31)","4","S","OTHER","33060"
"TS_PAD","","SY(TIDSTR01);LS(DASH,1,CHGRD)","2","S","OTHER","33060"
"TS_PNH","","SY(TIDSTR01);LS(DASH,1,CHGRD)","2","S","OTHER","33060"
"TS_PRH","","SY(TIDSTR01);LS(DASH,1,CHGRD)","2","S","OTHER","33060"
"TS_TIS","","SY(TIDSTR01);LS(DASH,1,CHGRD)","2","S","OTHER","33060"
"TESARE","","LS(DASH,2,CHGRF);CS(RESTRN01)","2","S","OTHER","36050"
"TIDEWY","","LS(DASH,1,CHGRF);TX(OBJNAM,1,2,3,'15110',0,0,CHBLK,25)","7","S","OTHER","32070"
"TSEZNE","","AC(TRFCF,3)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"TSSCRS","","AP(TSSJCT02);SY(TSSCRS51);CS(RESTRN01)","6","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"TSSLPT","","SY(CTNARE51);TX(INFORM,1,1,2,'15110',0,-2,CHBLK,24);CS(RESTRN01)","6","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"TSSLPT","ORIENT","SY(TSSLPT51,ORIENT);CS(RESTRN01)","6","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"TSSRON","","SY(TSSRON51);CS(RESTRN01)","6","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"TUNNEL","","LS(DASH,1,CHGRD)","4","S","OTHER","32250"
"TUNNEL","BURDEP0","AC(DEPVS);LS(DASH,1,CHBLK)","4","S","STANDARD","24010"
"TWRTPT","","SY(TWRDEF51);LS(DASH,4,TRFCD)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"TWRTPT","ORIENTTRAFIC1","SY(TWRTPT53,ORIENT);LS(DASH,4,TRFCD)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"TWRTPT","ORIENTTRAFIC2","SY(TWRTPT53,ORIENT);LS(DASH,4,TRFCD)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"TWRTPT","ORIENTTRAFIC3","SY(TWRTPT53,ORIENT);LS(DASH,4,TRFCD)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"TWRTPT","ORIENTTRAFIC4","SY(TWRTPT52,ORIENT);LS(DASH,4,TRFCD)","4","S","~~DISPLAYBASE~~**STANDARD**","~~15010~~ **25010**"
"UNSARE","","AC(NODTA);AP(NODATA03);LS(SOLD,2,CHGRD)","1","S","DISPLAYBASE","11050"
"VEGATN","","","","",""
"VEGATN","CATVEG7","AP(VEGATN04);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG21","AP(VEGATN04);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG3","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG4","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"

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"VEGATN","CATVEG5","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG6","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG13","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG14","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG15","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG16","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG17","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG18","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG19","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG20","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"VEGATN","CATVEG22","AP(VEGATN03);LS(DASH,1,LANDF)","3","S","OTHER","32030"
"WATTUR","","SY(WATTUR02);LS(DASH,1,CHGRD)","4","S","OTHER","33040"
"WEDKLP","","SY(WEDKLP03);LS(DASH,1,CHGRF)","3","O","OTHER","34020"
"WRECKS","","CS(WRECKS04)","4","S","OTHER","34050"
"WRECKS","CATWRK3VALSOU","LS(DASH,1,CHBLK)","4","S","OTHER","34051"
"WRECKS","CATWRK3","LS(DASH,1,CHBLK)","4","S","OTHER","34050"
*
* ***                        ***
* *** section two: NON-STANDARD CLASSES ***
* ***                        ***
*
*Note: category "DISPLAYBASE" should not be removed from the display.
*For non-standard classes, all category "MARINERS STANDARD" and "MARINERS OTHER"
*should be drawn when "STANDARD DISPLAY" is drawn, and thereafter may be re-assigned
*to the category of choosen by the mariner.
*
"dnghlt","","AC(DNGHL,3);LS(SOLD,3,DNGHL)","8","O","MARINERS STANDARD","53010"
"marfea","","AC(ADINF,3);TX(OBJNAM,1,2,3,'15110',0,0,CHBLK,50);LS(SOLD,2,NINFO);LS(SOLD,1,CHBLK);","8","S","MARINERS STANDARD","53050"
"mnufea","","LS(DASH,2,ADINF)","5","S","MARINERS STANDARD","55010"

*
* ***            ***
* *** end of look-up table ***
* ***            ***
```

## 13.2   VIEWING GROUPS

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### CHART INFORMATION - DISPLAY BASE

(Note: The groupings below are given solely to illustrate the contents of the Display Base. All objects of this category should be permanently retained on the ECDIS display.)

| | |
|---|---|
| RESERVED | |
| 10000-10999 | Reserved for chart information |
| A, B | INFORMATION ABOUT THE CHART DISPLAY |
| 11000 | Information about the Chart Display |
| 11010 | cursor [symbol  SY(CURSRA01)]~~11020 na (not assigned)~~ |
| 11020 | ~~11020~~ na (not assigned) |
| 11030 | scalebar, latitude scale [SY(SCALEB10),SY( SCALEB11)] |
| 11040 | north arrow [SY(NORTHAR1)] |
| 11050 | no data [colour NODTA, AP(NODATA03)], unsurveyed (UNSARE), incompletely surveyed area |
| 11060 | Non-HO data boundary LC(NONHODAT) |
| C, D, E, F | NATURAL & MAN-MADE FEATURES, PORT FEATURES |
| 12000 | Land area |
| 12010 | land area (LANDARE) |
| 12200 | Dangers above water |
| 12210 | bridge (BRIDGE), pylon (PYLONS), overhead cable (CBLOHD), conveyor (CONVYR), overhead pipeline (PIPOHD), offshore platform (OFSPLF) |
| 12400 | Shoreline |
| 12410 | coastline (COALNE), ice shelf, glacier (ICEARE), shoreline construction (SLCONS), tie-up wall, dolphin (MORFAC), gate (GATCON, pile (PILPNT), crib, wellhead, ice boom (OBSTRN), floating dock (FLODOC), hulk (HULKES), pontoon (PONTON), oilboom (OILBAR), log boom (LOGPON), flood barrage (DAMCON, CATDAM3) |
| 12420 | dock (DOCARE), lock (LOKBSN), canal (CANALS), river (RIVERS) |
| H, I | DEPTHS, CURRENTS ETC |
| 13000 | Safety Contour |
| 13010 | safety contour (from conditional symbology procedure DEPCNT03) |
| 13020 | na |
| 13030 | depth area (DEPARE), dredged area (DRGARE), |
| J, K, L | SEABED, OBSTRUCTIONS, PIPELINES |
| 14000 | Dangers under water |
| 14010 | isolated underwater dangers in water deeper than the displayed safety contour   (rocks, wrecks, obstructions, mooring cables from conditional symbology procedure) |
| ~~14050~~ | ~~isolated above-water dangers in water deeper than the safety contour (rocks, wrecks, obstructions, which are "always dry" from conditional symbology procedure UDWHAZnn)~~ |
| M | TRAFFIC ROUTES |
| 15000-**15999** | ~~Traffic Routeing~~ **na (not assigned)** |
| ~~15010~~ | ~~traffic lane (TSSLPT), deep water route (DWRTPT), traffic separation area (TSEZNE), traffic separation line (TSELNE), traffic roundabout (TSSRON), traffic crossing (TSSCRS), precautionary area (PRCARE), traffic separation scheme boundary (TSSBND), deep water route centre line (DWRTCL), two way route part~~ |

| | (TWRTPT), inshore traffic zone (ISTZNE). |
|---|---|
| 15020 | Recommended traffic lane (RCTLPT), recommended route centreline (RCRTCL) **na** |
| 15030 | na |
| 15040 | na |
| 15050 | na |
| 15060 | radio calling in point (RDOCAL) |
| **N** | **SPECIAL AREAS** |
| 16000-16999 | na (not assigned) |
| **P, Q, R, S** | **BUOYS & BEACONS, LIGHTS, FOG SIGNALS, RADAR** |
| 17000-17999 | Buoys and beacons **na (not assigned)** |
| 17010 | buoy (BOYxxx), light float (LITFLT), mooring buoy (MORFAC, CATMOR7) |
| 17011 | light vessel (LITVES) |
| 17020 | beacon (BCNxxx) |
| **T, U** | **SERVICES & SMALL CRAFT FACILITIES** |
| 18000-18999 | na (not assigned) |
| **RESERVED** | |
| 19000-19999 | Reserved for chart information |

**CHART INFORMATION - STANDARD DISPLAY**

| **RESERVED** | |
|---|---|
| 20000 | Reserved for chart information |
| **A, B** | **INFORMATION ABOUT THE CHART DISPLAY** |
| 21000 | Information about the Chart Display |
| 21010 | unknown object (magenta question mark) |
| 21020 | na **Generic Object (NEWOBJ01)** |
| 21030 | chart scale boundary, overscale data [AP(OVERSCO1)] |
| 21040 | na |
| 21050 | na |
| 21060 | place-holder for geographic names (LNDRGN, SEAARE) |
| **C, D, E, F** | **NATURAL & MAN-MADE FEATURES, PORT FEATURES** |
| 22000 | Major Coastal Features |
| 22010 | river (RIVERS), riverbank (RIVBNK), lake (LAKARE), lakeshore (LAKSHR), sloping ground (SLOGRD), slope top (SLOTOP), dyke (DYKCON), causeway (CAUSWY), dam (DAMCON), |
| 22200 | Conspicuous landmarks: |
| 22210 | radar conspicuous object - (any object with attribute CONRAD 1) |
| 22220 | visually conspicuous object (any object with attribute CONVIS 1) |
| 22230 | na |
| 22240 | built up area (BUAARE), |
| 22410 | dolphin (MORFAC), pile (PILPNT) |
| **H, I** | **DEPTHS, CURRENTS, etc.** |
| 23000 | Depths |
| 23010 | area of depth less than the safety contour (DIAMON01 pattern) |
| 23020 | na |
| 23030 | swept area (SWPARE) |

| J, K, L | SEABED, OBSTRUCTIONS, PIPELINES |
|---|---|
| 24000 | <u>Seabed dangers</u> |
| 24010 | mooring cables (MORFAC, CATMOR6), (CBLSUB, CATCBL6), tunnel on seabed (TUNNEL, BURDEP=0), sandwaves (SNDWAV) |
| 24020 | isolated underwater dangers in waters between the displayed safety contour and the drying line (rocks, wrecks, obstructions, mooring cables from conditional symbology procedure UDWHAZnn) |
| 24050 | isolated above-water dangers in waters between the safety contour and the drying line (rocks, wrecks, obstructions which are "always dry" from conditional symbology procedure UDWHAZnn) |
| M | TRAFFIC ROUTES |
| 25000 | **<u>Routes and</u>** <u>Tracks</u> |
| 25010 | leading line, clearing line (NAVLINE), traffic lane (TSSLPT), deep water route (DWRTPT), traffic separation area (TSEZNE), traffic separation line (TSELNE), traffic roundabout (TSSRON), traffic crossing (TSSCRS), precautionary area (PRCARE), traffic separation scheme boundary (TSSBND), deep water route centre line (DWRTCL), two way route part (TWRTPT), inshore traffic zone (ISTZNE). |
| 25020 | recommended track (RECTRC), recommended traffic lane (RCTLPT), recommended route centreline (RCRTCL) |
| 25030 | ferry route (FERYRT) |
| 25040 | radar line (RADLNE), limit of shore radar (RADRNG) |
| 25060 | radio calling in point (RDOCAL) |
| N | SPECIAL AREAS |
| 26000 | <u>Restricted and Cautionary Areas</u> |
| 26010 | restricted area (RESARE) |
| 26020 | na |
| 26030 | na |
| 26040 | ferry route area (FERYRT), submarine transit lane (SUBTLN), military practice area (MIPARE), sea plane landing area (SPLARE), offshore production area (OSPARE) |
| 26050 | caution area (CTNARE), fairway (FAIRWY) |
| 26200 | <u>Information Areas. Protected Areas</u> |
| 26210 | fishing ground (FSHGRD), marine farm (MARCUL) |
| 26220 | anchorage area (ACHARE), anchor berth (ACHBRT), |
| 26230 | pipeline area (PIPARE), cable area (CBLARE) |
| 26240 | dumping ground (DMPGRD), |
| 26250 | cargo transhipment (CTSARE), incineration (ICNARE) |
| 26260 | Archipelagic sea lane (ASLXIS, ARCSLN) |
| P, Q, R, S | BUOYS & BEACONS, LIGHTS, FOG SIGNALS, RADAR |
| 27000 | **<u>Buoys, Beacons, Topmarks, Lights, Fog Signals</u>** |
| 27010 | ~~na~~ **buoy (BOYxxx), light float (LITFLT), mooring buoy (MORFAC, CATMOR7)** |
| **27011** | **light vessel (LITVES)** |
| 27020 | ~~na~~ **beacon (BCNxxx)** |
| 27025 | daymark (DAYMAR) |
| 27030 | na |
| 27040 | direction of buoyage IALA buoyage regions (M_NSYS) |
| 27050 | topmarks (TOPMAR) - for  paper chart symbols |
| 27060 | na |
| 27070 | light (LIGHTS), |

| | |
|---|---|
| 27080 | fog signal (FOGSIG), retro-reflector (RETRFL) |
| 27200 | <u>Radar</u> |
| 27210 | racon (RTPBCN) |
| 27220 | na |
| 27230 | radar reflector (RADRFL) |
| T, U | SERVICES & SMALL CRAFT FACILITIES |
| 28000 | <u>Services</u> |
| 28010 | pilot boarding point (PILBOP) |
| 28020 | signal station, traffic (SISTAT), sig. stn. warning (SISTAW) |
| RESERVED | |
| 29000 | reserved for chart information |

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