1. **Test Dataset: AA400005**

**S‐58 Recommended ENC Validation Checks covered in this section:**

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| **S‐58 Check** | **Description** |
| 1694 | For each DWRTCL feature object where ORIENT is notNull AND TRAFIC is Equal to 1 (inbound) OR 2 (outbound) OR 3 (one-way) AND the bearing of the line is more than 5 degrees Greater than OR Less than the value of ORIENT. |
| 1696 | For each RCRTCL feature object where TRAFIC is Equal to 1 (inbound) OR 2 (outbound) OR 3 (one-way) AND the bearing of the line is more than 5 degrees Greater than OR Less than the value of ORIENT. |
| 1726 | If the M\_COVR meta object where CATCOV is Equal to 1 AND is Not equal to the combined coverage of M\_NSYS meta objects  where MARSYS is notNull. |
| 1727 | For each M\_NSYS meta object where MARSYS is notNull which OVERLAPS or is WITHIN another meta M\_NSYS object where  MARSYS is notNull. |
| 1775 | For each navigational aid equipment feature object (except DAYMAR) which is COVERED\_BY a DEPARE, DRGARE or UNSARE AND does not  have a navigational aid structure feature object as a master AND the geometry of which is not COVERED\_BY a CBLOHD, COALNE, CONVYR, DAMCON, (with CATDAM Equal to 3 (flood barrage)), LNDARE, PIPOHD or SLCONS feature object. |
| 1789a | For each DWRTCL, RECTRC and RCRTCL feature object of geometric primitive line where ORIENT is notNull AND  TRAFIC is Equal to 4 (two-way) AND the bearing of the line is more than 5 degrees Greater than OR Less than the value (or  reciprocal value) of ORIENT. |
| 1789b | For each NAVLNE feature object where ORIENT is notNull AND the bearing of the line is more than 5 degrees Greater than OR Less than the value (or reciprocal value) of ORIENT. |
| 1795a | For each feature object which is a slave in a Master to Slave relationship AND where DATSTA or PERSTA attributes are notNull AND the values of DATSTA OR PERSTA are Less than the values of DATSTA OR PERSTA encoded on the master object. |
| 1795b | For each feature object which is a slave in a Master to Slave relationship AND where PEREND OR DATEND attributes are notNull AND the values of PEREND OR DATEND are Greater than the values of PEREND OR DATEND encoded on the master object. |
| 1795c | For each feature object which is a slave in a Master to Slave relationship AND where DATSTA is notNull on the master object AND DATSTA is Not Present or Null on the slave object. |
| 1795d | For each feature object which is a slave in a Master to Slave relationship AND where PERSTA is notNull on the master object AND PERSTA is Not Present or Null on the slave object. |
| 1795e | For each feature object which is a slave in a Master to Slave relationship AND where DATEND is notNull on the master object AND DATEND is Not Present or Null on the slave object. |
| 1795f | For each feature object which is a slave in a Master to Slave relationship AND where PEREND is notNull on the master object AND PEREND is Not Present or Null on the slave object. |

**Secondary Errors**

Critical – 54b, 505

Error – 569, 570

Warnings – 19, 1516, 1682, 1722a

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| **Dataset Name** | AA400005 | | | | | **S‐58 Check** | | | 1694 | | | **Type** | | | | | C |
| **S-58 Description** | For each DWRTCL feature object where ORIENT is not Null AND TRAFIC is Equal to 1 (inbound) OR 2 (outbound) OR 3 (one-way) AND the bearing of the line is more than 5 degrees Greater than OR Less than the value of ORIENT. | | | | | | | | | | | | | | | | |
| **Message** | One way DWRTCL object where ORIENT does not correspond to the bearing of the line. | | | | | | | | | | | | | | | | |
| **Solution** | Populate an appropriate value of ORIENT for the DWRTCL object consistent with the geometry of the object. | | | | | | | | **Conformity** | 10.2.2.2 | | | | | | | |
| **Test Case No. 1** | DWRTCL (L) features created where ORIENT does not correspond to the bearing of the line. | | | | | | | | | | | | | | | | |
| **Location** | | **Feature** | | | **Attributes** | | | **FRID** | **FOID** | | | | **VRID** | | | | |
| 32°20'19.44"S 61°10'35.55"E | | DWRTCL(L) | | | CATTRK=1; ORIENT=10; TRAFIC=1 | | | FE-09 | AA 0689738323 00013 | | | | VE-04 | | | | |
| 32°20'20.39"S 61°10'34.20"E | | DWRTCL(L) | | | CATTRK=1; ORIENT=10; TRAFIC=2 | | | FE-17 | AA 3658117900 00019 | | | | VE12 | | | | |
| 32°20'18.38"S 61°10'36.42"E | | DWRTCL(L) | | | CATTRK=1; ORIENT=10; TRAFIC=3 | | | FE-18 | AA 1052025647 00020 | | | | VE-13 | | | | |
| **Screen Capture** |  | | | | | | | | | | | | | | | | |
| **Expected Test Results** | 1694: 3 errors “One way DWRTCL object where ORIENT does not correspond to the bearing of the line” must be triggered. | | | | | | | | | | | | | | | | |
| **Secondary Critical Errors** | None | | | | | | | | | | | | | | | | |
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| **Dataset Name** | AA400005 | | | | | **S‐58 Check** | | | 1696 | | | **Type** | | | | | C |
| **S-58 Description** | For each RCRTCL feature object where TRAFIC is Equal to 1 (inbound) OR 2 (outbound) OR 3 (one-way) AND the bearing of the line is more than 5 degrees Greater than OR Less than the value of ORIENT. | | | | | | | | | | | | | | | | |
| **Message** | One-way RCRTCL object where ORIENT does not correspond to the bearing of the line. | | | | | | | | | | | | | | | | |
| **Solution** | Populate an appropriate value of ORIENT for the RCRTCL object consistent with the geometry of the object. | | | | | | | | **Conformity** | 10.2.4 | | | | | | | |
| **Test Case No. 1** | RCRTCL (L) features created where ORIENT does not correspond to the bearing of the line. | | | | | | | | | | | | | | | | |
| **Location** | | **Feature** | | | **Attributes** | | | **FRID** | **FOID** | | | | | **VRID** | | | |
| 32°20'51.00"S 61°10'25.65"E | | RCRTCL(L) | | | CATTRK=1; ORIENT=5; TRAFIC=1 | | | FE-10 | AA 2031968439 00014 | | | | | VE-05 | | | |
| 32°20'52.87"S 61°10'23.79"E | | RCRTCL(L) | | | CATTRK=1; ORIENT=5; TRAFIC=2 | | | FE-19 | AA 1525292017 00021 | | | | | VE-14 | | | |
| 32°20'55.27"S 61°10'22.41"E | | RCRTCL(L) | | | CATTRK=1; ORIENT=5; TRAFIC=3 | | | FE-20 | AA 1558336787 00022 | | | | | VE-15 | | | |
| **Screen Capture** |  | | | | | | | | | | | | | | | | |
| **Expected Test Results** | 1696: 3 errors “One-way RCRTCL object where ORIENT does not correspond to the bearing of the line” must be triggered. | | | | | | | | | | | | | | | | |
| **Secondary Critical Errors** | None | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
| **Dataset Name** | AA400005 | | | | | **S‐58 Check** | | | 1726 | | | **Type** | | | | | C |
| **S-58 Description** | If the M\_COVR meta object where CATCOV is Equal to 1 AND is Not equal to the combined coverage of M\_NSYS meta objects where MARSYS is not Null. | | | | | | | | | | | | | | | | |
| **Message** | Data coverage not completely covered by M\_NSYS objects with a value for MARSYS. | | | | | | | | | | | | | | | | |
| **Solution** | Ensure complete coverage of M\_NSYS objects with MARSYS populated. | | | | | | | | **Conformity** | 12.2 | | | | | | | |
| **Test Case No. 1** | M\_NSYS created with a hole. | | | | | | | | | | | | | | | | |
| **Location** | | **Feature** | | | **Attributes** | | | **FRID** | **FOID** | | | | | **VRID** | | | |
| 32°24'22.54"S 61°14'34.60"E | | M\_NSYS | | | MARSYS=1 | | | FE-11 | AA 2805503932 00002 | | | | | - | | | |
| **Screen Capture** |  | | | | | | | | | | | | | | | | |
| **Expected Test Results** | 1726: An error “Data coverage not completely covered by M\_NSYS objects with a value for MARSYS” must be triggered. | | | | | | | | | | | | | | | | |
| **Secondary Critical Errors** | None | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
| **Dataset Name** | AA400005 | | | | | **S‐58 Check** | | | 1727 | | | **Type** | | | | | C |
| **S-58 Description** | For each M\_NSYS meta object where MARSYS is not Null which OVERLAPS or is WITHIN another meta M\_NSYS object where MARSYS is not Null. | | | | | | | | | | | | | | | | |
| **Message** | M\_NSYS objects with MARSYS values overlap. | | | | | | | | | | | | | | | | |
| **Solution** | Amend limits of M\_NSYS objects to remove overlap. | | | | | | | | **Conformity** | 12.2 | | | | | | | |
| **Test Case No. 1** | Two M\_NSYS (A) objects overlapping. | | | | | | | | | | | | | | | | |
| **Location** | | | | **Feature** | **Attributes** | | **FRID** | | **FOID** | | | | | **VRID** | | | |
| 32°24'26.08"S 61°13'35.50"E | | | | M\_NSYS | MARSYS=1 | | FE-25 | | AA 0305854279 00004 | | | | | - | | | |
| 32°24'26.08"S 61°13'35.50"E | | | | M\_NSYS | MARSYS=1 | | FE-15 | | AA 2805503932 00002 | | | | | - | | | |
| **Screen Capture** |  | | | | | | | | | | | | | | | | |
| **Expected Test Results** | 1727: An error “M\_NSYS objects with MARSYS values overlap” must be triggered. | | | | | | | | | | | | | | | | |
| **Secondary Critical Errors** | None | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
| **Dataset Name** | AA400005 | | | | | **S‐58 Check** | | | 1775 | | | **Type** | | | | | C |
| **S-58 Description** | For each navigational aid equipment feature object (except DAYMAR) which is COVERED\_BY a DEPARE, DRGARE or UNSARE AND does not have a navigational aid structure feature object as a master AND the geometry of which is not COVERED\_BY a BRIDGE, CBLOHD, COALNE, CONVYR, DAMCON, (with CATDAM Equal to 3 (flood barrage)), LNDARE, PIPOHD, PONTON or SLCONS feature object. | | | | | | | | | | | | | | | | |
| **Message** | Equipment object within DEPARE, DRGARE or UNSARE without an appropriate supporting structure object or underlying object. | | | | | | | | | | | | | | | | |
| **Solution** | Ensure equipment object is encoded with an appropriate structure object or underlying object. | | | | | | | | **Conformity** | 12.1.2 and 12.8.8 | | | | | | | |
| **Test Case No. 1** | Navigational aids are created on DEPARE, DRGARE and UNSARE without navigational aid structure. | | | | | | | | | | | | | | | | |
| **Location** | | | | **Feature** | **Attributes** | | **FRID** | | **FOID** | | | | | **VRID** | | | |
|  | | | |  |  | |  | |  | | | | |  | | | |
| 32°24'20.05"S 61°10'48.00"E | | | | FOGSIG (P) | CATFOG=7 | | FE-12 | | AA 0204961271 00015 | | | | | VI-06 | | | |
| 32°24'19.72"S 61°10'51.69"E | | | | LIGHTS (P) | CATLIT=6; COLOUR=3; LITCHR=1 | | FE-53 | | AA 3056261513 00051 | | | | | VI-31 | | | |
| 32°24'19.80"S 61°10'58.48"E | | | | RADSTA (P) | - | | FE-26 | | AA 1194000199 00026 | | | | | VI-10 | | | |
| 32°24'19.72"S 61°11'03.84"E | | | | RDOSTA (P) | - | | FE-29 | | AA 3380686328 00029 | | | | | VI-13 | | | |
| 32°24'19.63"S 61°11'08.45"E | | | | RETRFL (P) | - | | FE-32 | | AA 3156892419 00032 | | | | | VI-16 | | | |
| 32°24'19.72"S 61°11'14.32"E | | | | RTPBCN (P) | CATRTB=2 | | FE-35 | | AA 1710357157 00035 | | | | | VI-19 | | | |
| 32°24'19.38"S 61°11'18.35"E | | | | SISTAT (P) | CATSIT=1 | | FE-38 | | AA 3939247823 00038 | | | | | VI-22 | | | |
| 32°24'20.05"S 61°11'22.70"E | | | | SISTAW (P) | CATSIW=10 | | FE-41 | | AA 1523924671 00041 | | | | | VI-25 | | | |
| 32°24'19.97"S 61°11'26.48"E | | | | TOPMAR (P) | TOPSHP=1; COLOUR=1 | | FE-44 | | AA 2396683356 00044 | | | | | V1-28 | | | |
|  | | | |  |  | |  | |  | | | | |  | | | |
| 32°24'29.02"S 61°10'47.16"E | | | | FOGSIG (P) | CATFOG=7 | | FE-03 | | AA 3537543390 00007 | | | | | VI-02 | | | |
| 32°24'28.85"S 61°10'51.85"E | | | | LIGHTS (P) | CATLIT=6; COLOUR=3; LITCHR=1 | | FE-54 | | AA 0293671763 00052 | | | | | VI-32 | | | |
| 32°24'28.69"S 61°10'58.23"E | | | | RADSTA (P) | - | | FE-27 | | AA 2922093353 00027 | | | | | VI-11 | | | |
| 32°24'29.27"S 61°11'03.59"E | | | | RDOSTA (P) | - | | FE-30 | | AA 2104668330 00030 | | | | | VI-14 | | | |
| 32°24'28.85"S 61°11'09.29"E | | | | RETRFL (P) | - | | FE-33 | | AA 3846917855 00033 | | | | | VI-17 | | | |
| 32°24'28.69"S 61°11'14.49"E | | | | RTPBCN (P) | CATRTB=2 | | FE-36 | | AA 3825215545 00036 | | | | | VI-20 | | | |
| 32°24'28.52"S 61°11'19.10"E | | | | SISTAT (P) | CATSIT=1 | | FE-39 | | AA 2129089123 00039 | | | | | VI-23 | | | |
| 32°24'28.43"S 61°11'23.21"E | | | | SISTAW (P) | CATSIW=10 | | FE-42 | | AA 3319111457 00042 | | | | | VI-26 | | | |
| 32°24'28.94"S 61°11'26.81"E | | | | TOPMAR (P) | TOPSHP=1; COLOUR=1 | | FE-45 | | AA 0910046820 00045 | | | | | VI-29 | | | |
|  | | | |  |  | |  | |  | | | | |  | | | |
| 32°24'37.57"S 61°10'46.32"E | | | | FOGSIG (P) | CATFOG=7 | | FE-01 | | AA 2147821832 00005 | | | | | VI-01 | | | |
| 32°24'37.32"S 61°10'51.77"E | | | | LIGHTS (P) | CATLIT=6; COLOUR=3; LITCHR=1 | | FE-57 | | AA 4140909654 00055 | | | | | VI-35 | | | |
| 32°24'37.74"S 61°10'57.64"E | | | | RADSTA (P) | - | | FE-28 | | AA 2905827038 00028 | | | | | VI-12 | | | |
| 32°24'37.40"S 61°11'02.50"E | | | | RDOSTA (P) | - | | FE-31 | | AA 1207892399 00031 | | | | | VI-15 | | | |
| 32°24'37.57"S 61°11'08.37"E | | | | RETRFL (P) | - | | FE-34 | | AA 0927573138 00034 | | | | | VI-18 | | | |
| 32°24'37.74"S 61°11'14.74"E | | | | RTPBCN (P) | CATRTB=2 | | FE-37 | | AA 2089980217 00037 | | | | | VI-21 | | | |
| 32°24'37.66"S 61°11'19.60"E | | | | SISTAT (P) | CATSIT=1 | | FE-40 | | AA 1507746123 00040 | | | | | VI-24 | | | |
| 32°24'37.57"S 61°11'23.46"E | | | | SISTAW (P) | CATSIW=10 | | FE-43 | | AA 0728111813 00043 | | | | | VI-27 | | | |
| 32°24'37.74"S 61°11'26.98"E | | | | TOPMAR (P) | TOPSHP=1; COLOUR=1 | | FE-46 | | AA 1292063873 00046 | | | | | VI-30 | | | |
| **Screen Capture** |  | | | | | | | | | | | | | | | | |
| **Expected Test Results** | 1775: 30 errors “Equipment object within DEPARE, DRGARE or UNSARE without an appropriate supporting structure object or underlying object” must be triggered. | | | | | | | | | | | | | | | | |
| **Secondary Critical Errors** | 54b: 3 additional errors “DAYMAR not covered by a suitable supporting object” must be triggered. | | | | | | | | | | | | | | | | |
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| **Dataset Name** | AA400005 | | | | | **S‐58 Check** | | | 1789a | | | **Type** | | | | | C |
| **S-58 Description** | For each DWRTCL, RECTRC and RCRTCL feature object of geometric primitive line where ORIENT is not Null AND TRAFIC is Equal to 4 (two-way) AND the bearing of the line is more than 5 degrees Greater than OR Less than the value (or reciprocal value) of ORIENT. | | | | | | | | | | | | | | | | |
| **Message** | DWRTCL, RECTRC or RCRTCL where the orientation of the geometry is not consistent with the value of ORIENT. | | | | | | | | | | | | | | | | |
| **Solution** | Populate an appropriate value of ORIENT consistent with the geometry of the DWRTCL, RECTRC or RCRTCL object. | | | | | | | | **Conformity** | Logical consistency | | | | | | | |
| **Test Case No. 1** | DWRTCL, RECTRC and RCRTCL line features created where the orientation of the geometry is not consistent with the value of ORIENT. | | | | | | | | | | | | | | | | |
| **Location** | | | | **Feature** | **Attributes** | | **FRID** | | **FOID** | | | | | | **VRID** | | |
| 32°23'23.42"S 61°11'27.00"E | | | | DWRTCL (L) | CATTRK=2; ORIENT = 10; TRAFIC = 4 | | FE-47 | | AA 0041857329 00047 | | | | | | VE-17 | | |
| 32°23'31.93"S 61°11'27.00"E | | | | RECTRC (L) | CATTRK=2; ORIENT = 10; TRAFIC = 4 | | FE-48 | | AA 0820032718 00048 | | | | | | VE-18 | | |
| 32°23'40.29"S 61°11'27.00"E | | | | RCRTCL(L) | CATTRK=2; ORIENT = 10; TRAFIC = 4 | | FE-49 | | AA 0529310847 00049 | | | | | | VE-19 | | |
| **Screen Capture** |  | | | | | | | | | | | | | | | | |
| **Expected Test Results** | 1789a: 3 errors “DWRTCL, RECTRC or RCRTCL where the orientation of the geometry is not consistent with the value of ORIENT” must be triggered. | | | | | | | | | | | | | | | | |
| **Secondary Critical Errors** | None | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
| **Dataset Name** | AA400005 | | | | | **S‐58 Check** | | | 1789b | | **Type** | | | | C | | |
| **S-58 Description** | For each NAVLNE feature object where ORIENT is notNull AND the bearing of the line is more than 5 degrees Greater than OR Less than the value (or reciprocal value) of ORIENT. | | | | | | | | | | | | | | | | |
| **Message** | NAVLNE where the orientation of the geometry is not consistent with the value of ORIENT. | | | | | | | | | | | | | | | | |
| **Solution** | Populate an appropriate value of ORIENT consistent with the geometry of the NAVLNE object. | | | | | | | | **Conformity** | Logical consistency | | | | | | | |
| **Test Case No. 1** | NAVLNE line feature created where the orientation of the geometry is not consistent with the value of ORIENT. | | | | | | | | | | | | | | | | |
| **Location** | | | | **Feature** | **Attributes** | | **FRID** | | **FOID** | | | | | | **VRID** | | |
| 32°22'48.09"S 61°11'21.94"E | | | | NAVLNE (L) | ORIENT = 10 | | FE-50 | | AA 0187722703 00050 | | | | | | VE-20 | | |
| **Screen Capture** |  | | | | | | | | | | | | | | | | |
| **Expected Test Results** | 1789b: An error “NAVLNE where the orientation of the geometry is not consistent with the value of ORIENT” must be triggered. | | | | | | | | | | | | | | | | |
| **Secondary Critical Errors** | None | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
| **Dataset Name** | AA400005 | | | | | **S‐58 Check** | | | 1795a | | | **Type** | | | | | C |
| **S-58 Description** | For each feature object which is a slave in a Master to Slave relationship AND where DATSTA or PERSTA attributes are notNull AND the values of DATSTA OR PERSTA are Less than the values of DATSTA OR PERSTA encoded on the master object. | | | | | | | | | | | | | | | | |
| **Message** | Temporal attributes on a slave object extend beyond those on the master object. | | | | | | | | | | | | | | | | |
| **Solution** | Populate appropriate temporal attributes on master/slave objects. | | | | | | | | **Conformity** | 2.1.5 | | | | | | | |
| **Test Case No. 1** | DATSTA of slave (LIGHTS) object precedes DATSTA of master (BCNSPP) object. | | | | | | | | | | | | | | | | |
| **Location** | | | **Feature** | | **Attributes** | | | **FRID** | **FOID** | | | | | | **VRID** | | |
| 32°21'12.97"S 61°11'44.15"E | | | LIGHTS (P) | | DATSTA= 20120622; STATUS=5 | | | FE-56 | AA 1571627619 00054 | | | | | | VI-34 | | |
| 32°21'12.97"S 61°11'44.15"E | | | BCNSPP (P) | | DATSTA= 20120623; STATUS=5 | | | FE-58 | AA 2514045550 00056 | | | | | | VI-34 | | |
| **Screen Capture** |  | | | | | | | | | | | | | | | | |
| **Expected Test Results** | 1795a: An error “Temporal attributes on a slave object extend beyond those on the master object” must be triggered. | | | | | | | | | | | | | | | | |
| **Secondary Critical Errors** | None | | | | | | | | | | | | | | | | |
| **Test Case No. 2** | PERSTA of slave (LIGHTS) object precedes PERSTA of master (BCNSPP) object. | | | | | | | | | | | | | | | | |
| **Location** | | **Feature** | | | **Attributes** | | | **FRID** | **FOID** | | | | | | **VRID** | | |
| 32°21'13.01"S 61°11'56.75"E | | LIGHTS (P) | | | PERSTA= 20120203; STATUS=5 | | | FE-55 | AA 3310470363 00053 | | | | | | VI-33 | | |
| 32°21'13.01"S 61°11'56.75"E | | BCNSPP (P) | | | PERSTA= 20120204; STATUS=5 | | | FE-59 | AA 3177571187 00057 | | | | | | VI-33 | | |
| **Screen Capture** |  | | | | | | | | | | | | | | | | |
| **Expected Test Results** | 1795a: An error “Temporal attributes on a slave object extend beyond those on the master object” must be triggered. | | | | | | | | | | | | | | | | |
| **Secondary Critical Errors** | None | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
| **Dataset Name** | AA400005 | | | | | **S‐58 Check** | | | 1795b | | | **Type** | | | | | C |
| **S-58 Description** | For each feature object which is a slave in a Master to Slave relationship AND where PEREND OR DATEND attributes are notNull AND the values of PEREND OR DATEND are Greater than the values of PEREND OR DATEND encoded on the master object. | | | | | | | | | | | | | | | | |
| **Message** | Temporal attributes on a slave object extend beyond those on the master object. | | | | | | | | | | | | | | | | |
| **Solution** | Populate appropriate temporal attributes on master/slave objects. | | | | | | | | **Conformity** | 2.1.5 | | | | | | | |
| **Test Case No. 1** | DATEND of slave (LIGHTS) object is after DATEND of master (BCNSPP) object. | | | | | | | | | | | | | | | | |
| **Location** | | | **Feature** | | **Attributes** | | | **FRID** | **FOID** | | | | | | **VRID** | | |
| 32°22'00.18"S 61°11'40.26"E | | | LIGHTS (P) | | DATEND= 20120630; STATUS=5 | | | FE-67 | AA 2893684926 00058 | | | | | | VI-36 | | |
| 32°22'00.18"S 61°11'40.26"E | | | BCNSPP (P) | | DATEND= 20120629; STATUS=5 | | | FE-62 | AA 0057454746 00059 | | | | | | VI-36 | | |
| **Screen Capture** |  | | | | | | | | | | | | | | | | |
| **Expected Test Results** | 1795b: An error “Temporal attributes on a slave object extend beyond those on the master object” must be triggered. | | | | | | | | | | | | | | | | |
| **Secondary Critical Errors** | None | | | | | | | | | | | | | | | | |
| **Test Case No. 2** | PEREND of slave (LIGHTS) object is after PEREND of master (BCNSPP) object. | | | | | | | | | | | | | | | | |
| **Location** | | | | **Feature** | **Attributes** | | | **FRID** | **FOID** | | | | | | | **VRID** | |
| 32°22'00.18"S 61°12'03.19"E | | | | LIGHTS (P) | PEREND= 20120212; STATUS=5 | | | FE-69 | AA 1845305972 00060 | | | | | | | VI-37 | |
| 32°22'00.18"S 61°12'03.19"E | | | | BCNSPP (P) | PEREND= 20120210; STATUS=5 | | | FE-64 | AA 0209336217 00061 | | | | | | | VI-37 | |
| **Screen Capture** |  | | | | | | | | | | | | | | | | |
| **Expected Test Results** | 1795b: An error “Temporal attributes on a slave object extend beyond those on the master object” must be triggered. | | | | | | | | | | | | | | | | |
| **Secondary Critical Errors** | None | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
| **Dataset Name** | AA400005 | | | | | **S‐58 Check** | | | 1795c | | | **Type** | | | | | C |
| **S-58 Description** | For each feature object which is a slave in a Master to Slave relationship AND where DATSTA is notNull on the master object AND DATSTA is Not Present or Null on the slave object. | | | | | | | | | | | | | | | | |
| **Message** | DATSTA not encoded for slave object of a master object where DATSTA exists. | | | | | | | | | | | | | | | | |
| **Solution** | Populate temporal attribute DATSTA on slave objects to match the master object. | | | | | | | | **Conformity** | 2.1.5 | | | | | | | |
| **Test Case No. 1** | DATSTA of slave (LIGHTS) object is not defined. | | | | | | | | | | | | | | | | |
| **Location** | | | **Feature** | | **Attributes** | | | **FRID** | **FOID** | | | | | | **VRID** | | |
| 32-21-37.15S 061-10-50.36E | | | LIGHTS (P) | | DATSTA= undefined; STATUS=5 | | | FE-70 | AA 0011562315 63050 | | | | | | VI-53 | | |
| 32-21-37.15S 061-10-50.36E | | | BCNSPP (P) | | DATSTA= 20120623; | | | FE-76 | AA 0011562316 63050 | | | | | | VI-53 | | |
| **Screen Capture** | Logo  Description automatically generated with medium confidence | | | | | | | | | | | | | | | | |
| **Expected Test Results** | 1795c: An error “DATSTA not encoded for slave object of a master object where DATSTA exists” must be triggered. | | | | | | | | | | | | | | | | |
| **Secondary Critical Errors** | None | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
| **Dataset Name** | AA400005 | | | | | **S‐58 Check** | | | 1795d | | | **Type** | | | | | C |
| **S-58 Description** | For each feature object which is a slave in a Master to Slave relationship AND where PERSTA is notNull on the master object AND PERSTA is Not Present or Null on the slave object. | | | | | | | | | | | | | | | | |
| **Message** | PERSTA not encoded for slave object of a master object where PERSTA exists. | | | | | | | | | | | | | | | | |
| **Solution** | Populate temporal attribute PERSTA on slave objects to match the master object. | | | | | | | | **Conformity** | 2.1.5 | | | | | | | |
| **Test Case No. 1** | PERSTA of slave (LIGHTS) object is not defined. | | | | | | | | | | | | | | | | |
| **Location** | | | **Feature** | | **Attributes** | | | **FRID** | **FOID** | | | | | | **VRID** | | |
| 32-21-37.23S 061-11-54.19E | | | LIGHTS (P) | | PERSTA= undefined; STATUS=5 | | | FE-72 | AA 0011562319 63050 | | | | | | VI-49 | | |
| 32-21-37.23S 061-11-54.19E | | | BCNSPP (P) | | PERSTA= 20120623; STATUS=5 | | | FE-74 | AA 0011562320 63050 | | | | | | VI-49 | | |
| **Screen Capture** | Diagram  Description automatically generated | | | | | | | | | | | | | | | | |
| **Expected Test Results** | 1795d: An error “PERSTA not encoded for slave object of a master object where PERSTA exists” must be triggered. | | | | | | | | | | | | | | | | |
| **Secondary Critical Errors** | None | | | | | | | | | | | | | | | | |
| **Dataset Name** | AA400005 | | | | | **S‐58 Check** | | | 1795e | | | **Type** | | | | | C |
| **S-58 Description** | For each feature object which is a slave in a Master to Slave relationship AND where DATEND is notNull on the master object AND DATEND is Not Present or Null on the slave object. | | | | | | | | | | | | | | | | |
| **Message** | DATEND not encoded for slave object of a master object where DATEND exists. | | | | | | | | | | | | | | | | |
| **Solution** | Populate temporal attribute DATEND on slave objects to match the master object. | | | | | | | | **Conformity** | 2.1.5 | | | | | | | |
| **Test Case No. 1** | PEREND of slave (LIGHTS) object is not defined. | | | | | | | | | | | | | | | | |
| **Location** | | | **Feature** | | **Attributes** | | | **FRID** | **FOID** | | | | | | **VRID** | | |
| 32-21-24.49S 061-12-33.25E | | | LIGHTS (P) | | DATEND= undefined; | | | FE-73 | AA 0011562323 63050 | | | | | | - | | |
| 32-21-24.49S 061-12-33.25E | | | BCNSPP (P) | | DATEND= 20120624; | | | FE-75 | AA 0011562324 63050 | | | | | | - | | |
| **Screen Capture** | Chart, waterfall chart  Description automatically generated | | | | | | | | | | | | | | | | |
| **Expected Test Results** | 1795e: An error “DATEND not encoded for slave object of a master object where DATEND exists” must be triggered. | | | | | | | | | | | | | | | | |
| **Secondary Critical Errors** | None | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
| **Dataset Name** | AA400005 | | | | | **S‐58 Check** | | | 1795f | | | **Type** | | | | | C |
| **S-58 Description** | For each feature object which is a slave in a Master to Slave relationship AND where PEREND is notNull on the master object AND PEREND is Not Present or Null on the slave object. | | | | | | | | | | | | | | | | |
| **Message** | PEREND not encoded for slave object of a master object where PEREND exists. | | | | | | | | | | | | | | | | |
| **Solution** | Populate temporal attribute PEREND on slave objects to match the master object. | | | | | | | | **Conformity** | 2.1.5 | | | | | | | |
| **Test Case No. 1** | PEREND of slave (LIGHTS) object is not defined. | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
| **Location** | | | **Feature** | | **Attributes** | | | **FRID** | **FOID** | | | | | | **VRID** | | |
| 32-21-46.98S 061-12-31.49E | | | LIGHTS (P) | | PEREND= undefined; STATUS=5 | | | FE-71 | AA 0011562328 63050 | | | | | | - | | |
| 32-21-46.98S 061-12-31.49E | | | BCNSPP (P) | | PEREND= 20120624; STATUS=5 | | | FE-77 | AA 0011562329 63050 | | | | | | - | | |
| **Screen Capture** |  | | | | | | | | | | | | | | | | |
| **Expected Test Results** | 1795f: An error “PEREND not encoded for slave object of a master object where PEREND exists” must be triggered. | | | | | | | | | | | | | | | | |
| **Secondary Critical Errors** | None | | | | | | | | | | | | | | | | |