1. **Test Dataset: 101AA00400002**

**S‐158 Recommended ENC Validation Checks covered in this section:**

|  |  |  |
| --- | --- | --- |
| **S‐58 Check** | **S-158 Check** | **Description** |
| 507 | S100\_5\_005 | For each attribute binding which is either not present in the S-101FC or does not conform to the multiplicity of the attribute binding. |

**Secondary Errors**

Critical – **S101\_4\_002** (*42*), **S101\_A\_006** (*500*), **S101\_A\_007** (*505*), **S101\_4\_003** (*519a*), (*544*), (*548*), (*566*)

Error – (*11*), **S100\_5\_007** (*26b*), **S101\_A\_023** (*47a*), **S101\_A\_024** (*47b*), **S101\_A\_040** (*63*), **S101\_A\_047** (*508a*), **S101\_A\_244** (508b), **S101\_A\_048** (509), (*541b*), (*542*), **S100\_5\_007** (*551a*), **S101\_A\_056** (*557*), **S101\_A\_071** (*1512b*), **S100\_5\_007** (*1515b*), **S100\_5\_007** (*1517*), (*1559)*, (*1562*), **S101\_A\_115** (*1669*), **S101\_A\_147** (*1772a*), **S101\_A\_166** (*1797*), **S100\_10a\_020** (*2000*)

Warnings – **S100\_5\_007** (*73a)*, **S101\_A\_207** (1657), **S101\_A\_215** (1682), **S101\_A\_220** (1719), **S101\_A\_221** (1722a), **S101\_A\_240** (1808)

Nb:

**XXX**: S-100/S-101 associated to the S-58 check specified in the S-58 documentation

(*XXX*): No S-100/S-101 check found for the corresponding S-58 check in S-101\_Validation\_Checks or check not applicable for S-101

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Dataset Name** | 101AA00400002 | | | **S‐158 Check** | | S100\_5\_005 | | **Type** | | | C |
| **S-158 Description** | | For each attribute binding which is either not present in the S-101FC or does not conform to the multiplicity of the attribute binding. | | | | | | | | | |
| **Message** | | Invalid Attribute Binding | | | | | | | | | |
| **Solution** | | Objects present in the dataset must only have attributes permitted in the Feature Catalogue. Also must only have the permitted multiplicity of attribute instances. | | | | | | | **Conformity**  S-100 part 5-A | | Supplement No.3  Ch.4 (3.5.2.1) |
| **Test Case No. 1** | | Features without mandatory attributes have been created, as listed below. | | | | | | | | | |
| **Location** | | | **Feature** | | **Missing Mandatory Attribute** | | **FRID** | | | **FOID** | |
| 32°21'44.84"S 60°55'14.25"E | | | AdministrationArea (S) | | jurisdiction | | FE-249 | | | 1810\_530461915\_689 | |
| 32°22'45.36"S 60°57'33.88"E | | | ArchipelagicSeaLaneArea (S) | | nationality | | FE-75 | | | 1810\_798248171\_4 | |
| 32°22'20.87"S 60°56'52.36"E | | | ArchipelagicSeaLaneAxis(C) | | nationality | | FE-91 | | | 1810\_1447035004\_5 | |
| 32°21'39.04"S 60°55'22.24"E | | | BeaconCardinal (P) | | BeaconShape | | FE-334 | | | 1810\_1800597279\_5 | |
| 32°21'38.74"S 60°55'30.42"E | | | BeaconCardinal (P) | | colour | | FE-288 | | | 1810\_545083054\_796 | |
| 32°21'38.74"S 60°55'26.38"E | | | BeaconCardinal (P) | | categoryOfCardinalMark | | FE-297 | | | 1810\_866178598\_4 | |
| 32°21'38.74"S 60°55'26.38"E | | | BeaconCardinal (P) | | colourPattern | | FE-297 | | | 1810\_-866178598\_4 | |
| 32°21'35.27"S 60°55'39.20"E | | | BeaconIsolatedDanger (P) | | colour | | FE-291 | | | 1810\_28747546\_567 | |
| 32°21'34.99 "S 60°55'44.25"E | | | BeaconIsolatedDanger (P) | | BeaconShape | | FE-299 | | | 1810\_1353392073\_8 | |
| 32°21'31.95"S 60°55'22.57"E | | | BeaconLateral (P) | | BeaconShape | | FE-300 | | | 1810\_1007275322\_9 | |
| 32°21'31.64"S 60°55'26.02"E | | | BeaconLateral (P) | | categoryOfLateralMark | | FE-301 | | | 1810\_78989068\_10 | |
| 32°21'31.50"S 60°55'30.27"E | | | BeaconLateral (P) | | colour | | FE-287 | | | 1810\_1149292320\_16 | |
| 32°21'35.59"S 60°55'26.31"E | | | BeaconSafeWater(P) | | BeaconShape | | FE-302 | | | 1810\_1153938275\_11 | |
| 32°21'35.70"S 60°55'22.46"E | | | BeaconSafeWater(P) | | colour | | FE-292 | | | 1810\_871898662\_549 | |
| 32°21'30.44"S 60°55'55.07"E | | | BeaconSpecialPurposeGeneral (P) | | categoryOfSpecialPurposeMark | | FE-283 | | | 1810\_2014947142\_21 | |
| 32°21'30.34"S 60°55'42.79"E | | | BeaconSpecialPurposeGeneral (P) | | BeaconShape | | FE-280 | | | 1810\_1433106187\_24 | |
| 32°21'30.44"S 60°55'49.96"E | | | BeaconSpecialPurposeGeneral (P) | | colour | | FE-284 | | | 1810\_1598464134\_20 | |
| 32°21'41.81"S 60°56'23.97"E | | | Berth (P) | | featureName/name | | FE-45 | | | 1810\_89698594\_696 | |
| 32°21'41.75"S 60°55'17.00"E | | | Berth (S) | | featureName/name | | FE-54 | | | 1810\_2029482984\_693 | |
| 32°21'41.97"S 60°56'21.91"E | | | Berth (C) | | featureName/name | | FE-56 | | | 1810\_1432384515\_694 | |
| 32°21'35.52"S 60°56'32.86"E | | | BuoyCardinal (P) | | buoyShape | | FE-120 | | | 1810\_2041563891\_1 | |
| 32°21'35.41"S 60°56'38.70"E | | | BuoyCardinal (P) | | categoryOfCardinalMark | | FE-310 | | | 1810\_1419345519\_2 | |
| 32°21'35.34"S 60°56'35.70"E | | | BuoyCardinal (P) | | colour | | FE-311 | | | 1810\_402881724\_15 | |
| 32°21'40.96"S 60°56'32.10"E | | | BuoyInstallation(P) | | buoyShape | | FE-309 | | | 1810\_1446292570\_12 | |
| 32°21'40.82"S 60°56'39.27"E | | | BuoyInstallation (P) | | colour | | FE-313 | | | 1810\_36281627\_798 | |
| 32°21'37.58"S 60°56'25.06"E | | | BuoyIsolatedDanger (P) | | buoyShape | | FE-166 | | | 1810\_689409394\_3 | |
| 32°21'37.86"S 60°56'22.42"E | | | BuoyIsolatedDanger (P) | | colour | | FE-168 | | | 1810\_2096877071\_702 | |
| 32°21'37.45"S 60°56'32.94"E | | | BuoyLateral (P) | | colour | | FE-119 | | | 1810\_176335301\_704 | |
| 32°21'37.55"S 60°56'35.90"E | | | BuoyLateral (P) | | buoyShape | | FE-307 | | | 1810\_692452959\_14 | |
| 32°21'37.07"S 60°56'38.62"E | | | BuoyLateral (P) | | categoryOfLateralMark | | FE-308 | | | 1810\_214365721\_13 | |
| 32°21'39.31"S 60°56'36.06"E | | | BuoySafeWater(P) | | buoyShape | | FE-306 | | | 1810\_823559920\_15 | |
| 32°21'38.84"S 60°56'39.20"E | | | BuoySafeWater(P) | | colour | | FE-314 | | | 1810\_1980702592\_706 | |
| 32°21'35.90"S 60°55'22.67"E | | | BuoySpecialPurposeGeneral (P) | | categoryOfSpecialPurposeMark | | FE-189 | | | 1810\_502796792\_16 | |
| 32°21'35.76"S 60°55'28.23"E | | | BuoySpecialPurposeGeneral (P) | | buoyShape | | FE-190 | | | 1810\_1790342281\_17 | |
| 32°21'35.76"S 60°55'28.23"E | | | BuoySpecialPurposeGeneral (P) | | colourPattern | | FE-190 | | | 1810\_1790342281\_17 | |
| 32°21'35.69"S 60°55'25.14"E | | | BuoySpecialPurposeGeneral (P) | | colour | | FE-167 | | | 1810\_1827688447\_708 | |
| 32°21'08.20"S 60°55'47.16"E | | | Bridge (S) | | verticalClearanceValue | | FE-59 | | | 1810\_160\_1 | |
| 32°20'18.26"S 60°55'21.06"E | | | Bridge (S) | | verticalClearanceValue | | FE-347 | | | 1810\_1554754194\_539 | |
| 32°20'41.14"S 60°55'30.51"E | | | Bridge (C) | | verticalClearanceValue | | FE-348 | | | 1810\_4388\_1 | |
| 32°20'49.35"S 60°55'35.51"E | | | Bridge (C) | | categoryOfBridge | | FE-349 | | | 1810\_159\_1 | |
| 32°23'07.68"S 60°56'07.17"E | | | CableOverhead (C) | | verticalClearanceValue | | FE-345 | | | 1810\_4340\_1 | |
| 32°29'09.24"S 60°55'53.27"E | | | Conveyor (S) | | verticalClearanceValue | | FE-338 | | | 1810\_4492\_1 | |
| 32°23'08.59"S 60°55'57.96"E | | | Conveyor(C) | | verticalClearanceValue | | FE-156 | | | 1810\_1522426839\_699 | |
| 32°21'42.29"S 60°56'45.76"E | | | ContiguousZone (S) | | nationality | | FE-15 | | | 1810\_103112862\_695 | |
| 32°21'41.33"S 60°56'55.84"E | | | ContinentalShelfArea (S) | | nationality | | FE-16 | | | 1810\_1079672998\_691 | |
| 32°21'44.97"S 60°56'23.88"E | | | CautionArea (P) | | text justification or information/fileReference | | FE-46 | | | 1810\_1466489369\_677 | |
| 32°21'41.41"S 60°57'14.65"E | | | CautionArea (S) | | text justification or information/fileReference | | FE-19 | | | 1810\_1775279330\_687 | |
| 32°21'46.14"S 60°56'25.87"E | | | CurrentNonGravitational (P) | | speedMaximum | | FE-64 | | | 1810\_-239992862\_22 | |
| 32°21'44.81"S 60°56'27.19"E | | | CurrentNonGravitational (P) | | orientationValue | | FE-51 | | | 1810\_79557394\_551 | |
| 32°21'46.41"S 60°56'45.53"E | | | CustomZone (S) | | nationality | | FE-11 | | | 1810\_1344273938\_709 | |
| 32°21'39.04"S 60°55'22.24"E | | | Daymark (P) | | colour | | FE-182 | | | 1810\_4450\_1 | |
| 32°21'39.04"S 60°55'22.24"E | | | Daymark (P) | | topmarkDaymarkShape | | FE-182 | | | 1810\_4450\_1 | |
| 32°21'38.74"S 60°55'30.42"E | | | Daymark (P) | | colour | | FE-289 | | | 1810\_1200497722\_712 | |
| 32°21'38.74"S 60°55'26.38"E | | | Daymark (P) | | topmarkDaymarkShape | | FE-298 | | | 1810\_1209347525\_6 | |
| 32°20'34.60"S 60°55'39.37"E | | | DepthArea (S) | | depthRangeMinimumValue | | FE-136 | | | 1810\_-1825953670\_521 | |
| 32°20'57.65"S 60°55'48.41"E | | | DepthArea (S) | | depthRangeMaximumValue | | FE-183 | | | 1810\_1690116560\_605 | |
| 32°20'38.33"S 60°55'40.66"E | | | DepthContour (C) | | valueOfDepthContour | | FE-172 | | | 1810\_936110632\_670 | |
| 32°21'46.39"S 60°56'55.15"E | | | DredgedArea (S) | | depthRangeMinimumValue | | FE-10 | | | 1810\_1796285032\_711 | |
| 32°23'03.81"S 60°56'46.89"E | | | DredgedArea (S) | | depthRangeMinimumValue | | FE-335 | | | 1810\_352673956\_686 | |
| 32°22'23.23"S 60°59'17.36"E | | | DeepWaterRouteCentreline (C) | | trafficFlow | | FE-36 | | | 1810\_1588378561\_19 | |
| 32°21'47.32"S 60°57'26.59"E | | | DeepWaterRouteCentreline (C) | | orientationValue | | FE-69 | | | 1810\_834307021\_6 | |
| 32°22'36.66"S 60°59'00.39"E | | | DeepWaterRouteCentreline (C) | | basedOnFixedMarks | | FE-192 | | | 1810\_1125268850\_18 | |
| 32°21'35.52"S 60°57'04.29"E | | | DeepWaterRoutePart (S) | | trafficFlow | | FE-72 | | | 1810\_720930177\_21 | |
| 32°21'46.34"S 60°57'04.67"E | | | DeepWaterRoutePart (S) | | depthRangeMinimumValue | | FE-73 | | | 1810\_63111856\_20 | |
| 32°21'41.71"S 60°57'13.04"E | | | DeepWaterRoutePart (S) | | orientationValue | | FE-326 | | | 1810\_797359693\_546 | |
| 32°21'47.07"S 60°57'13.97"E | | | ExclusiveEconomicZone (S) | | nationality | | FE-14 | | | 1810\_367697121\_697 | |
| 32°21'51.60"S 60°56'36.27"E | | | FerryRoute (S) | | categoryOfFerry | | FE-22 | | | 1810\_2134485135\_685 | |
| 32°21'47.93"S 60°56'21.88"E | | | FerryRoute (C) | | categoryOfFerry | | FE-55 | | | 1810\_1301617315\_682 | |
| 32°21'35.70"S 60°55'22.46"E | | | FogSignal (P) | | categoryOfFogSignal | | FE-290 | | | 1810\_1655766254\_548 | |
| 32°21'51.40"S 60°56'45.54"E | | | FisheryZone (S) | | nationality | | FE-09 | | | 1810\_945996894\_713 | |
| 32°21'51.49"S 60°56'55.11"E | | | Gate (S) | | horizontalClearanceValue | | FE-08 | | | 1810\_1985203169\_715 | |
| 32°21'53.61"S 60°56'21.73"E | | | Gate (C) | | horizontalClearanceValue | | FE-57 | | | 1810\_1546996793\_716 | |
| 32°21'47.63"S 60°56'23.86"E | | | Gate (P) | | horizontalClearanceValue | | FE-42 | | | 1810\_519629719\_719 | |
| 32°21'51.61"S 60°57'04.38"E | | | HarbourFacility  (S) | | categoryOfHarbourFacility | | FE-07 | | | 1810\_1546996793\_716 | |
| 32°21'51.08"S 60°56'24.02"E | | | HarbourFacility  (P) | | categoryOfHarbourFacility | | FE-44 | | | 1810\_679650332\_710 | |
| 32°21'53.41"S 60°55'14.03"E | | | IceArea (S) | | categoryOfIce | | FE-247 | | | 1810\_1432073687\_721 | |
| 32°21'46.88"S 60°56'15.01"E | | | LightVessel (P) | | colour | | FE-41 | | | 1810\_2118025787\_722 | |
| 32°21'45.36"S 60°56'06.32"E | | | LightAllAround (P) | | colour | | FE-04 | | | 1810\_2105716918\_10 | |
| 32°21'46.24"S 60°55'27.88"E | | | LightAllAround (P) | | signalPeriod | | FE-237 | | | 1810\_1103259494\_723 | |
| 32°21'31.50"S 60°55'30.27"E | | | LightAllAround (P) | | signalGroup | | FE-286 | | | 1810\_965302433\_18 | |
| 32°21'30.34"S 60°55'42.79"E | | | LightSectored (P) | | orientationValue | | FE-281 | | | 1810\_521632111\_23 | |
| 32°21'30.44"S 60°55'55.07"E | | | LightSectored (P) | | sectorLimitOne | | FE-282 | | | 1810\_1979037922\_22 | |
| 32°21'30.44"S 60°55'55.07"E | | | LightSectored (P) | | sectorLimitTwo | | FE-285 | | | 1810\_1761218959\_19 | |
| 32°21'29.76"S 60°55'08.64"E | | | LightAllAround (P) | | categoryOfLight or lightCharacteristic | | FE-350 | | | 1810\_51214738\_11 | |
| 32°21'29.76"S 60°55'08.64"E | | | LightAllAround (P) | | signalPeriod | | FE-350 | | | 1810\_51214738\_11 | |
| 32°21'29.76"S 60°55'08.64"E | | | LightAllAround (P) | | signalGroup | | FE-350 | | | 1810\_51214738\_11 | |
| 32°21'35.10"S 60°55'16.75"E | | | LightAllAround (P) | | colour | | FE-351 | | | 1810\_817\_1 | |
| 32°21'38.13"S 60°55'55.70"E | | | LightAllAround (P) | | lightCharacteristic | | FE-337 | | | 1810\_4490\_1 | |
| 32°21'38.13"S 60°55'55.70"E | | | LightAllAround (P) | | orientationValue | | FE-337 | | | 1810\_4490\_1 | |
| 32°21'38.13"S 60°55'55.70"E | | | LightAllAround (P) | | signalGroup | | FE-337 | | | 1810\_4490\_1 | |
| 32°21'38.13"S 60°55'55.70"E | | | LightAllAround (P) | | signalPeriod | | FE-337 | | | 1810\_4490\_1 | |
| 32°21'39.48"S 60°56'28.03"E | | | LightFloat (P) | | colour | | FE-38 | | | 1810\_1344173474\_725 | |
| 32°21'46.62"S 60°55'35.23"E | | | LandElevation (C) | | elevation | | FE-250 | | | 1810\_1838097697\_720 | |
| 32°21'38.81"S 60°55'36.20"E | | | LandElevation (P) | | elevation | | FE-303 | | | 1810\_637444345\_23 | |
| 32°22'14.31"S 60°56'08.54"E | | | LandMark (P) | | categoryOfLandmark | | FE-158 | | | 1810\_1552358594\_630 | |
| 32°21'59.07"S 60°55'13.83"E | | | LandMark (S) | | visualProminence | | FE-248 | | | 1810\_981035900\_718 | |
| 32°21'50.88"S 60°56'13.78"E | | | Land Region (P) | | categoryOfLandRegion or featureName/name | | FE-43 | | | 1810\_1307318587\_714 | |
| 32°21'53.43"S 60°55'25.97"E | | | Land Region (S) | | categoryOfLandRegion or featureName/name | | FE-246 | | | 1810\_1604466715\_724 | |
| 32°20'39.19"S 60°57'45.57"E | | | LocalMagneticAnomaly (S) | | valueOfLocalMagneticAnomaly | | FE-74 | | | 1810\_1543569125\_26 | |
| 32°20'55.41"S 60°56'49.40"E | | | LocalMagneticAnomaly (C) | | valueOfLocalMagneticAnomaly | | FE-90 | | | 1810\_1030762876\_25 | |
| 32°21'46.53"S 60°55'51.57"E | | | LocalMagneticAnomaly (P) | | valueOfLocalMagneticAnomaly | | FE-240 | | | 1810\_473195392\_542 | |
| 32°21'59.64"S 60°55'29.24"E | | | MagneticVariation (S) | | referenceYearForMagneticVariation | | FE-02 | | | 1810\_1782162868\_732 | |
| 32°22'09.93"S 60°55'45.24"E | | | MagneticVariation (C) | | valueOfAnnualChangeInMagneticVariation | | FE-01 | | | 1810\_1892595195\_27 | |
| 32°21'51.92"S 60°55'51.67"E | | | MagneticVariation (P) | | valueOfMagneticVariation | | FE-05 | | | 1810\_2110527488\_727 | |
| 32°21'51.67"S 60°57'13.47"E | | | MarineFarmCulture (S) | | valueOfSounding | | FE-344 | | | 1810\_1410014936\_731 | |
| 32°21'51.61"S 60°57'04.09"E | | | MarineFarmCulture (S) | | waterLevelEffect | | FE-343 | | | 1810\_154\_1 | |
| 32°21'53.50"S 60°56'22.16"E | | | MarineFarmCulture (C) | | valueOfSounding | | FE-346 | | | 1810\_156\_1 | |
| 32°21'53.38"S 60°56'22.72"E | | | MarineFarmCulture (C) | | waterLevelEffect | | FE-341 | | | 1810\_268271448\_730 | |
| 32°21'54.05"S 60°56'25.16"E | | | MarineFarmCulture (P) | | valueOfSounding | | FE-342 | | | 1810\_158\_1 | |
| 32°21'53.52"S 60°56'23.70"E | | | MarineFarmCulture (P) | | waterLevelEffect | | FE-340 | | | 1810\_68932969\_729 | |
| 32°21'54.70"S 60°56'36.19"E | | | MooringWarpingFacility (S) | | categoryOfMooringWarpingFacility | | FE-327 | | | 1810\_2041295873\_736 | |
| 32°21'47.88"S 60°56'20.39"E | | | MooringWarpingFacility (C) | | categoryOfMooringWarpingFacility | | FE-60 | | | 1810\_1846116232\_734 | |
| 32°21'53.90"S 60°56'27.77"E | | | MooringWarpingFacility (P) | | categoryOfMooringWarpingFacility | | FE-50 | | | 1810\_30932522\_626 | |
| 32°21'54.65"S 60°56'17.55"E | | | NavigationLine (C) | | orientationValue | | FE-52 | | | 1810\_1278373054\_26 | |
| 32°21'53.43"S 60°56'16.96"E | | | NavigationLine (C) | | categoryOfNavigationLine | | FE-330 | | | 1810\_1963904057\_733 | |
| 32°21'54.93"S 60°56'44.46"E | | | Obstruction (S) | | valueOfSounding | | FE-245 | | | 1810\_2069979401\_741 | |
| 32°21'53.43"S 60°56'23.13"E | | | Obstruction (C) | | valueOfSounding | | FE-61 | | | 1810\_2033209219\_737 | |
| 32°21'51.05"S 60°56'25.34"E | | | Obstruction (P) | | waterLevelEffect | | FE-39 | | | 1810\_285163610\_739 | |
| 32°23'07.58"S 60°56'06.17"E | | | PipelineOverhead (C) | | verticalClearanceValue | | FE-157 | | | 1810\_2044762845\_740 | |
| 32°21'55.37"S 60°56'52.08"E | | | PrecautionaryArea (S) | | text justification or information/fileReference | | FE-328 | | | 1810\_1712117592\_738 | |
| 32°21'52.68"S 60°56'26.34"E | | | PrecautionaryArea (P) | | text justification or information/fileReference | | FE-40 | | | 1810\_2131846954\_735 | |
| 32°21'53.25"S 60°55'37.10"E | | | ProductionStorageArea (S) | | categoryOfProductionArea | | FE-244 | | | 1810\_549044268\_742 | |
| 32°21'49.28"S 60°55'32.15"E | | | ProductionStorageArea (P) | | categoryOfProductionArea | | FE-271 | | | 1810\_2030712534\_28 | |
| 32°21'59.03"S 60°55'40.75"E | | | PylonBridgeSupport (S) | | categoryOfPylon | | FE-293 | | | 1810\_1423236820\_748 | |
| 32°22'01.94"S 60°55'47.19"E | | | PylonBridgeSupport (P) | | categoryOfPylon | | FE-272 | | | 1810\_332594358\_1 | |
| 32°21'48.91"S 60°55'56.40"E | | | RadarLine (C) | | orientationValue | | FE-257 | | | 1810\_2141918743\_744 | |
| 32°21'29.24 "S 60°56'16.26"E | | | RecommendedRouteCentreline (C) | | basedOnFixedMarks | | FE-58 | | | 1810\_14521106\_728 | |
| 32°22'04.72"S 60°55'14.40"E | | | RecommendedTrafficLanePart (S) | | orientationValue | | FE-243 | | | 1810\_30871141\_743 | |
| 32°21'54.03"S 60°55'51.89"E | | | RecommendedTrafficLanePart (P) | | orientationValue | | FE-233 | | | 1810\_1866258616\_750 | |
| 32°21'25.84"S 60°56'08.95"E | | | RadioCallingInPoint (C) | | orientationValue | | FE-332 | | | 1810\_459192231\_765 | |
| 32°21'27.65"S 60°56'09.07"E | | | RadioCallingInPoint (C) | | trafficFlow | | FE-255 | | | 1810\_2060382576\_754 | |
| 32°21'43.39"S 60°56'13.51"E | | | RadioCallingInPoint (P) | | orientationValue | | FE-62 | | | 1810\_1979500727\_752 | |
| 32°21'39.57"S 60°56'16.31"E | | | RadioCallingInPoint (P) | | trafficFlow | | FE-331 | | | 1810\_4445\_1 | |
| 32°22'05.30"S 60°55'40.55"E | | | TwoWayRoutePart (S) | | trafficFlow | | FE-123 | | | 1810\_1521181436\_32 | |
| 32°22'05.12"S 60°55'27.80"E | | | TwoWayRoutePart (S) | | orientationValue | | FE-242 | | | 1810\_-1431905758\_747 | |
| 32°21'32.15"S 60°56'17.03"E | | | RecommendedTrack (C) | | basedOnFixedMarks | | FE-53 | | | 1810\_72867670\_2 | |
| 32°21'35.74"S 60°56'16.35"E | | | RecommendedTrack (C) | | trafficFlow | | FE-256 | | | 1810\_792773422\_751 | |
| 32°21'34.02"S 60°56'16.40"E | | | RecommendedTrack (C) | | orientationValue | | FE-03 | | | 1810\_4337\_1 | |
| 32°22'02.54"S 60°55'40.32"E | | | RestrictedAreaNavigational (S) | | categoryOfRestricted area or restriction | | FE-251 | | | 1810\_196956451\_749 | |
| 32°21'58.76"S 60°55'48.60"E | | | RadarTransponderBeacon (P) | | categoryOfRadarTransponderBeacon | | FE-258 | | | 1810\_1740529695\_756 | |
| 32°21'55.31"S 60°56'59.32"E | | | SeabedArea (S) | | natureOfSurface or nature of surface – qualifying terms | | FE-88 | | | 1810\_1467393150\_760 | |
| 32°21'53.72"S 60°56'19.99"E | | | SeabedArea (C) | | natureOfSurface or nature of surface – qualifying terms | | FE-253 | | | 1810\_1576628141\_758 | |
| 32°21'54.92"S 60°56'25.76"E | | | SeabedArea (P) | | natureOfSurface or nature of surface – qualifying terms | | FE-63 | | | 1810\_1660568158\_753 | |
| 32°21'55.61"S 60°57'06.87"E | | | SeaAreaNamedWaterArea (S) | | categoryOfSeaArea or featureName/name | | FE-89 | | | 1810\_1875544586\_759 | |
| 32°21'44.67"S 60°56'29.93"E | | | SeaAreaNamedWaterArea (P) | | categoryOfSeaArea or featureName/name | | FE-259 | | | 1810\_58255322\_757 | |
| 32°21'53.20"S 60°55'48.41"E | | | SignalStationTraffic (P) | | categoryOfSignalStationTraffic | | FE-235 | | | 1810\_1749600218\_745 | |
| 32°21'50.33"S 60°55'25.06"E | | | SignalStationWarning (P) | | categoryOfSignalStationWarning | | FE-239 | | | 1810\_1347002690\_552 | |
| 32°22'09.54"S 60°55'13.84"E | | | SmallCraftFacility (S) | | categoryOfSmallCraftFacility | | FE-295 | | | 1810\_1342715916\_763 | |
| 32°21'51.76"S 60°55'45.49"E | | | SmallCraftFacility (P) | | categoryOfSmallCraftFacility | | FE-260 | | | 1810\_2088797594\_761 | |
| 32°21'43.10"S 60°55'57.97"E | | | StraightTerritorialSeaBaseline  (C) | | nationality | | FE-254 | | | 1810\_1247770472\_755 | |
| 32°21'58.30"S 60°56'36.45"E | | | SweptArea (S) | | depthRangeMinimumValue | | FE-87 | | | 1810\_2102075430\_764 | |
| 32°21'58.55"S 60°56'44.17"E | | | TerritorialSeaArea (S) | | nationality | | FE-86 | | | 1810\_1480364475\_766 | |
| 32°21'58.47"S 60°56'51.03"E | | | TrafficSeparationSchemeLanePart (S) | | orientationValue | | FE-85 | | | 1810\_1051718382\_770 | |
| 32°22'02.87"S 60°57'04.58"E | | | TidalStreamFloodEbb (S) | | categoryOfTidalStream | | FE-322 | | | 1810\_1114704627\_13 | |
| 32°22'02.64"S 60°57'10.03"E | | | TidalStreamFloodEbb (S) | | speedMaximum | | FE-321 | | | 1810\_536014906\_14 | |
| 32°22'02.98"S 60°56'58.45"E | | | TidalStreamFloodEbb (S) | | orientationValue | | FE-80 | | | 1810\_868913570\_784 | |
| 32°22'24.18"S 60°56'33.45"E | | | TidalStreamFloodEbb (P) | | categoryOfTidalStream | | FE-304 | | | 1810\_530436172\_15 | |
| 32°22'24.26"S 60°56'35.79"E | | | TidalStreamFloodEbb (P) | | speedMaximum | | FE-305 | | | 1810\_174726393\_16 | |
| 32°22'24.26"S 60°56'30.48"E | | | TidalStreamFloodEbb (P) | | orientationValue | | FE-160 | | | 1810\_948593642\_779 | |
| 32°22'06.72"S 60°57'04.49"E | | | TidalStreamPanelData (S) | | tidalStreamPanelValues | | FE-79 | | | 1810\_848448953\_785 | |
| 32°21'55.05"S 60°56'29.61"E | | | TidalStreamPanelData (P) | | tidalStreamPanelValues | | FE-265 | | | 1810\_2042739328\_780 | |
| 32°21'58.82"S 60°56'58.84"E | | | TwoWayRoutePart (S) | | orientationValue | | FE-84 | | | 1810\_1968019539\_771 | |
| 32°21'59.14"S 60°56'06.36"E | | | TwoWayRoutePart (S) | | trafficFlow | | FE-318 | | | 1810\_1654101367\_21 | |
| 32°21'44.49"S 60°56'30.17"E | | | UnderwaterRock (P) | | valueOfSounding | | FE-262 | | | 1810\_1221847555\_769 | |
| 32°21'44.53"S 60°56'28.47"E | | | UnderwaterRock (P) | | waterLevelEffect | | FE-278 | | | 1810\_1611396399\_22 | |
| 32°22'09.07"S 60°55'28.43"E | | | Vegetation (S) | | categoryOfVegetation | | FE-294 | | | 1810\_353636505\_762 | |
| 32°22'08.55"S 60°55'48.47"E | | | Vegetation (C) | | categoryOfVegetation | | FE-232 | | | 1810\_459192231\_765 | |
| 32°22'08.53"S 60°55'38.77"E | | | Vegetation (P) | | categoryOfVegetation | | FE-261 | | |  | |
| 32°21'59.00"S 60°57'14.35"E | | | WaterTurbulence (S) | | categoryOfWaterTurbulence | | FE-83 | | | 1810\_1924254210\_775 | |
| 32°21'47.97"S 60°56'18.97"E | | | WaterTurbulence (C) | | categoryOfWaterTurbulence | | FE-252 | | | 1810\_1253777898\_774 | |
| 32°21'48.16"S 60°56'30.22"E | | | WaterTurbulence (P) | | categoryOfWaterTurbulence | | FE-263 | | | 1810\_1515489058\_772 | |
| 32°21'55.40"S 60°57'12.92"E | | | Wreck (S) | | waterLevelEffect | | FE-13 | | | 1810\_497213196\_700 | |
| 32°21'55.27"S 60°57'17.67"E | | | Wreck (S) | | categoryOfWreck or valueOfSounding | | FE-317 | | | 1810\_1742960488\_23 | |
| 32°21'50.52"S 60°56'29.43"E | | | Wreck (P) | | waterLevelEffect | | FE-264 | | | 1810\_1449454564\_773 | |
| 32°21'50.49"S 60°55'27.02"E | | | Wreck (P) | | categoryOfWreck or valueOfSounding | | FE-65 | | | 1810\_2088746596\_24 | |
| 32°23'57.89"S 60°57'41.83"E | | | QualityOfNonBathymetricData (S) | | horizontalPositionUncertainty  uncertaintyFixed | | FE-214 | | | 1810\_261262006\_515 | |
| 32°22'23.00"S 60°57'24.00"E | | | NavigationalSystemOfMarks (S) | | marksNavigationalSystemOf | | FE-30 | | | 1810\_1422289963\_517 | |
| 32°22'23.00"S 60°57'24.00"E | | | QualityOfBathymetricData (S) | | categoryOfTemporalVariation | | FE-31 | | | 1810\_2002823473\_518 | |
| 32°24'10.26"S 60°55'37.68"E | | | QualityOfBathymetricData (S) | | categoryOfTemporalVariation | | FE-104 | | | 1810\_1672053999\_511 | |
| 32°21'38.48"S 60°58'15.50"E | | | SoundingDatum (S) | | verticalDatum | | FE-20 | | | 1810\_2045685571\_513 | |
| 32°20'45.23"S 60°58'37.20"E | | | VerticalDatumOfData (S) | | verticalDatum | | FE-70 | | | 1810\_1495726182\_3 | |
| **Screen Capture** | | |  | |  | |  | | |  | |
| **Expected Test Results** | | S100\_5\_005: 220 Errors “Invalid Attribute Binding “ must be triggered. | | | | | | | | | |
| **Secondary Critical Errors** | | **S101\_4\_002** (*42*)  **S101\_A\_006** (*500*)  **S101\_A\_007** (*505*)  **S101\_4\_003** (*519a*) | | | | | | | | | |