1. **Test Dataset:  101AA00400011**

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

|  |  |  |
| --- | --- | --- |
| **S‐58 Check** | **S-158 check** | **Description** |
| 8 |  | For each feature object where an attribute code is repeated. |
| 1008 |  | For each ER (update) file where an AGEN subfield value of the DSID field or FOID field is not identical to the AGEN subfield values in the EN (base) file. |
| 1010 | S100\_10a\_096 | For each Feature Type record where FRID-RUIN is Equal to 3 (modify) AND the FOID field does not match the original record. |

**Secondary Errors**

Critical – (33), **S100\_5\_005** (507)

Error –

Warnings –

Nb:

**XXX**: S-100/S-101 associated to the S-158 check specified in the S-158 documentation

(*XXX*): No S-100/S-101 check found for the corresponding S-158 check in S-101\_Validation\_Checks or check not applicable for S-101

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Dataset Name** | 101AA00400011 | | | **S‐158 Check** | | 8 | | | **Type** | C |
| **S-158 Description** | For each feature object where an attribute code is repeated. | | | | | | | | | |
| **Message** | Duplicate attribute code on an object. | | | | | | | | | |
| **Solution** | Remove or amend duplicate attribute code. | | | | | **Conformity** | | Part 3 (4.4), (4.5) and (5.1.2) | | |
| **Test Case No. 1** | Landmark (P) feature has been created with duplicate attribute code. | | | | | | | | | |
| **Location** | | **Feature** | **Attributes** | | **FRID** | | **FOID** | | | **VRID** |
| 32°30'20.86"S 60°52'54.34"E | | Landmark (P) | elevation=17;  elevation=2 | | FE-116 | | 1810\_157\_1 | | | VI-09 |
| **Screen Capture/ASCII** |  | | | | | | | | | |
| **Expected Test Results** | 8: An error “Duplicate attribute code on an object” must be triggered. | | | | | | | | | |
| **Secondary Critical Errors** | None | | | | | | | | | |
|  | | | | | | | | | | |
| **Dataset Name** | 101AA00400011 | | | **S‐158 Check** | | 1008 | | | **Type** | C |
| **S-158 Description** | For each ER (update) file where an AGEN subfield value of the DSID field or FOID field is not identical to the AGEN subfield values in the EN (base) file. | | | | | | | | | |
| **Message** | AGEN subfield values do not agree between ER (update) and EN (base) files. | | | | | | | | | |
| **Solution** | Amend AGEN subfield values to agree. | | | | | **Conformity** | | Part 3 (4.3.1) and  (7.3.1.1) | | |
| **Test Case No. 1** | Different DSID.AGEN in update file | | | | | | | | | |
| **ASCII** | 101AA00400011.000    101AA00400011.001 | | | | | | | | | |
| **Expected Test Results** | 1008: Error “AGEN subfield values do not agree between ER (update) and EN (base) files” must be triggered. | | | | | | | | | |
| **Secondary Critical Errors** | None | | | | | | | | | |
| **Test Case No. 2** | RIVERS (L) feature has been created with AGEN subfield values do not agree between ER (update) and EN (base) files. | | | | | | | | | |
| **Location** | | **Feature** | **Attributes** | | **FRID** | | **FOID** | | | **VRID** |
| 32°31'27.78"S 60°53'18.06"E | | RIVERS (L) | STATUS=8 | | FE-99 | |  | | |  |
| **Screen Capture** |  | | | | | | | | | |
| **Expected Test Results** | 1008: Error “AGEN subfield values do not agree between ER (update) and EN (base) files” must be triggered. | | | | | | | | | |
| **Secondary Critical Errors** | S100\_10a\_096: Additional error “FOID for the modified object is not identical in the EN (base) and ER (update) files”.  33: Additional error “Attribute update does not refer to valid record NAME and attribute label/code”. | | | | | | | | | |
|  | | | | | | | | | | |
| **Dataset Name** | 101AA00400011 | | | **S‐158 Check** | | S100\_10a\_096 | | | **Type** | C |
| **S-158 Description** | For each FRID field in an ER (update) file where RUIN is Equal to 3 (modify) AND the FOID for the  modified object is not identical in the EN (base) and ER (update) files. | | | | | | | | | |
| **Message** | FOID for the modified object is not identical in the EN (base) and ER (update) files. | | | | | | | | | |
| **Solution** | Amend FOIDs to be identical or make separate insert and  delete updates. | | | | | **Conformity** | | S-100 part 10a-5.11.2 | | |
| **Test Case No. 1** | Landmark (P) with FOID for the modified object is not identical in the EN (base) and ER (update) files. | | | | | | | | | |
| **Location** | | **Feature** | **Attributes** | | **FRID** | | **FOID** | | | **VRID** |
| 32°33'02.42"S 60°54'10.55"E | | Landmark (P) | categoryOfLandmark=17;  visualProminence=2;  function=39 | | FE-110 | | 1810\_67\_1 | | | (P)4 |
| 32°33'02.42"S 60°54'10.55"E | | Landmark (P) | visualProminence=1 | | FE-110 | | 1810\_67\_1 | | | - |
| **Screen Capture/ASCII** |  | | | | | | | | | |
| **Expected Test Results** | S100\_10a\_096: An error “FOID for the modified object is not identical in the EN (base) and ER (update) files” must be triggered. | | | | | | | | | |
| **Secondary Critical Errors** | None | | | | | | | | | |