1. **Test Dataset: AA500018**

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

|  |  |
| --- | --- |
| **S‐58 Check** | **Description** |
| 21 | For each VRPT field which is not pointed to by an edge vector record. |

**Secondary Errors**

Critical – 20b, 84a, 555

Error – 28

Warnings – 90b

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Dataset Name** | AA500018 | | | **S‐58 Check** | | 21 | | | **Type** | | C |
| **S-58 Description** | For each VRPT field which is not pointed to by an edge vector record. | | | | | | | | | | |
| **Message** | VRPT field not referenced by an edge vector record. | | | | | | | | | | |
| **Solution** | Ensure VRPT field is referenced by an edge vector record or remove. | | | | | **Conformity** | | Part 3 (5.1.3) | | | |
| **Test Case No. 1** | Spatial node with VRPT records | | | | | | | | | | |
| **Location** | | **Feature** | **Attributes** | | **FRID** | | **FOID** | | | **VRID** | |
| - | | - | - | | - | | - | | | VI-30 | |
| **Screen Capture** |  | | | | | | | | | | |
| **Expected Test Results** | 21: An error “Vector record pointer field (VRPT) not referenced by an edge vector record” must be triggered. | | | | | | | | | | |
| **Secondary Critical Errors** | 84a: Error “Isolated node marked as connected” must be triggered.  555: Error “Wrong number of records in DSSI”. | | | | | | | | | | |