

Paper for Consideration by ENC WG

Issues with the S-64 Test Data

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Executive Summary:	Reports some fatal errors in the S-64 test data
Related Documents:	S-64 Ed 3.0.3 Digital data
Related Projects:	

Introduction / Background

While implementing the S-64 tests some of the datasets could not be converted to the SENC because of fatal errors in the datasets. A few other minor corrections have been made. All changes apply to the unencrypted test datasets.

Analysis/Discussion

The following problems have been detected:

3.1 ENC Display/Standard

In the cell AA5STNDR.000 the Feature object with the record identifier 141 (NEWOBJ) has an attribute SYMINS with the value:

```
SY(CTNARE51);LC(CTNARE51);TX(PRELMN,1,2,3,'15110',0,0,CHBLK,26)
```

The TX command is syntactically wrong. The text literal is not in quotes. It must read:

```
SY(CTNARE51);LC(CTNARE51);TX('PRELMN',1,2,3,'15110',0,0,CHBLK,26)
```

This is not a severe error but leads not to the intended presentation. Though the plot in the standard does not show the text it should do so. The plot must be corrected as well.

3.1 ENC Display/Other

The catalogue contains an entry for a text file that is not existing in the exchange set.

3.2 Invalid Object

The cell AA3INVOB.000 has an invalid content of the DSID/ISDT sub-field. (00000000)
This leads to a rejection of the file in the system.

3.6 Display Priorities

The cells 2J4X0001 has invalid content of the sub-fields DSID/ISDT, DSPM/VDAT, DSPM/SDAT.

The cell 2J5X0002 has invalid content of the sub-fields DSID/ISDT, DSPM/VDAT, DSPM/SDAT.

The two cells could not be imported into the system.

3.8.5 Non ENC data

The items in the catalog have been a different spelling than the data in the exchange sets. (Mixing upper and lower case writing) This leads to problems on operating systems with a case sensitive file system e.g. Linux.

Notes:

There have been other problems detected, especially the use of SCAMIN attributes that leads to a non expected presentation. Those problems have not fixed yet.

It seems that some test plots have not been updated after the data have been modified between edition 3.0.2 and 3.0.3.

Conclusions

The test data set should be amended especially the fatal errors must be corrected. Furthermore, the plots should be revisited and amended as necessary.

The corrected test data set should be checked by other experts.

If there are no issues the data should be made available to stake holders. Especially type approval authorities should be informed about the issues.

Recommendations

We recommend making the following changes to the test data set.

1. Dataset: 3.1 ENC Display/Standard/ENC_ROOT/AA5STNDR.000
Amend the feature FE0000000141 as described
Increment the edition to 2.
2. Exchange set catalogue 3.1 ENC Display/Other/ENC_ROOT/CATALOG.031
Remove the entry for the unused text file
3. Dataset: 3.2 Invalid Object/ENC_ROOT/AA3INVOB.000
Change the sub-field DSID/ISDT to a conformal content
Increment the edition to 2.
4. Dataset: 3.6 Display Priorities/ENC_ROOT/2J4X00001.000
Change the sub-field DSID/ISDT to a conformal content
Change the sub-fields DSPM/VDAT and DSPM/SDAT to values defined by the attribute VERDAT
Increment the edition to 2.
5. Dataset: 3.6 Display Priorities/ENC_ROOT/2J5X00002.000
Change the sub-field DSID/ISDT to a conformal content
Change the sub-fields DSPM/VDAT and DSPM/SDAT to values defined by the attribute VERDAT
Increment the edition to 2.
6. Exchange set catalogue: 3.8.5 Non ENC data/ENC_ROOT/CATALOG.031
Amend the filenames in the catalogue so that they are identical with the files in the exchange set. Consider case sensitivity.

We have already made all these changes and will provide them together with this proposal. We recommend replacing the test data with the corrected one and inform all stake holders.

Prior to this we would kindly ask the ENCWG to confirm that there are problems in the published test data for S-64 edition 3.0.3 and that the corrected data are otherwise still in line with the standard document.

Note: All data that are not mentioned in this discussion section have not been altered.

Action Required of [ENC WG]

The ENC-WG is invited to:

- a. endorses the paper
- b. discusses the topics
- c. concludes on the action list
- d. decides on the next steps forward