

Paper for Consideration by ENCWG4

Errors found in Preslib E4 dai file

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Executive Summary:	Extraneous values found in 3 line and symbol drawing instructions
Related Documents:	PresLib_e4.0.0.dai
Related Projects:	Impacts S-101 SVG portrayal converted from DAI

Introduction / Background

An extra field was found in the DAI file for the following symbols and linestyles

Linestyle: CHRVID02

Symbols: CHRVID01, CHDATD01

Analysis/Discussion

An extra value was found in the vector instructions. ",180" found in PU instruction preceding the CI instruction.

CHRVID02

```
0001 501356
LNST 10LS00001NIL
LIND 38CHRVID02-05310016900613003380000000000
LXPO 64This object has been inserted or modified by an automatic update
LCRF 6ACHCOR
LVCT 28SPA;SW3;PU169,169,180;CI169;
```

Line should be:

```
LVCT 24SPA;SW3;PU169,169;CI169;
```

CHRVID01

```
0001 501359
SYMB 10SY00004NIL
SYMD 39CHRVID01V0019700047003940099400000000000
SXPO 64This object has been inserted or modified by an automatic update
SCRF 6ACHCOR
SVCT 27SPA;SW3;PU197,647;PD197,47;
SVCT 28SPA;SW3;PU197,797,180;CI150;
```

Line should be:

```
SVCT 24SPA;SW3;PU197,797;CI150;
```

CHDATD01

0001 501360
SYMB 10SY00005NIL
SYMD 39CHDATD01V015480014201690016610000000000
SXPO 38This object is a date dependent object
SCRF 6ACHMGD
SVCT 52SPA;SW2;PU440,1515;PD403,1515;PD403,1217;PD334,1217;
SVCT 29SPA;SW2;PU278,1425,-180;CI1107;
SVCT 30SPA;SW2;PU532,1129;PD1470,217;
SVCT 29SPA;SW2;PU1548,142,-180;CI1110;
SVCT 61SPA;SW2;PU532,1129;PD32,1129;PD32,1629;PD532,1629;PD532,1129;

First occurrence should be:

SVCT 25SPA;SW2;PU278,1425;CI1107;

Second occurrence should be:

SVCT 25SPA;SW2;PU1548,142;CI1110;

In the S-101 Portrayal the two symbols CHRVID01, CHDATD01 are affected and need to be updated.

Conclusions

These errors could impact parsing/portrayal on ECDIS and did affect conversion into S-101 SVG instructions. Updated SVG symbols are available to replace the original converted symbols from Dec 2016.

Recommendations

Adjust content and inform relevant parties as appropriate.

Justification and Impacts

Correction to DAI content.

Action Required of ENCWG

The ENCWG is invited to note the above reported error and take appropriate corrective actions.