



HSA Systems Pty Ltd, SevenCs GmbH

ENC Analyzer 2.8.0

Release Note

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Introduction

Contents and prerequisites

This release note contains information about bug fixes and enhancements implemented since ENC Analyzer version 2.7.0.

For further information about the functionality of ENC Analyzer 2.8.0, please consult the User Guide or contact your HSA Systems or SevenCs support representative.

Item numbers refer to HSA's task tracking system. A full description of the item can be obtained from either SevenCs or HSA.

This document is intended for an audience that is familiar with previous releases of ENC Analyzer. Before using ENC Analyzer 2.8.0 you should read the information provided here.

Related documentation

The ENC Analyzer 2.8.0 User Guide (PDF).

Software problems corrected

Items	Description	Affected checks
398	Remove incorrect reference to S-58 87 in VS57_ERR_COLLINEAR_VERTEX	VS57_ERR_COLLINEAR_VERTEX S-58 87
419	Update S-58 reference for VS57_ERR_ILLSF_AFTER_DEL	VS57_ERR_ILLSF_AFTER_DEL S-58 36
423	Don't report navigation mark error for features lying in undefined systems of marks	VS57_NAV_*
427	VS57_ERR_WRONG_AGENCODE produces incoherent message when comparing DSID/AGEN with DSID/DSNM. Don't perform this check for AML cells.	VS57_ERR_WRONG_AGENCODE S-58 7
431	Don't check for valid DSPM/VDAT values for AML CLB and SBO product specifications, as they are encoded as 255 (NULL).	VS57_ERR_DSPM

Software enhancements

Items	Description	Affected checks
418	Check for the correct format for integer and floating point type attributes	VS57_ERR_ATTTS_INT and VS57_ERR_ATTTS_FLOAT
437	Align with S-57 Ed. 3.1.2. Add temporal attributes to FOGSIG, RADSTA, RTPBCN, RETRFL and TOPMAR.	VS57_VAL_ATTR S-58 547

Product enhancements (S-58 Edition 4.0)

S-58 Check	Description	ENC Analyzer check
19	No change required	VS57_ERR_DATABOUND
20	Update reference	VS57_GEO_PRIM
43	Modified check	VS57_SPT_38
44	No change required	VS57_ERR_DCNT_WRONG_VALDCO
45	Modified check	VS57_ERR_LINE_FEAT_GEOM
50	Modified check	VS57_SPT_44
51	Modified check	VS57_SPT_8 and VS57_SPT_8A
54	Modified check	VS57_SPT_33, VS57_SPT_33B, VS57_SPT_33C, VS57_SPT_33D, VS57_SPT_33E, VS57_SPT_33F, VS57_SPT_33G, VS57_SPT_33H, VS57_SPT_33I, VS57_SPT_33J, VS57_SPT_33K
56	Modified check	VS57_SPT_33A
61	No change required	VS57_UOC_126A
63	Modified check	VS57_SPT_35, VS57_SPT_35A, VS57_SPT_35B, VS57_SPT_35C, VS57_SPT_35D , VS57_SPT_35E
73	Modified check	VS57_ERR_ATTS_SPACE
78	No change required	VS57_ERR_RINGEDGESINTERSECT
79	No change required	VS57_ERR_SELFINTERSECT_EDGE
93	Added checks	VS57_SPT_51 and VS57_SPT_52
94	No change required	VS57_EDGeref_TWICE
507	Update reference	VS57_MAND_ATTR
509	Added check	VS57_ATT_44
521	Modified checks	VS57_ATT_1A and VS57_ATT_1B
545	Update reference	VS57_OBJ_CODE
546	Update reference	VS57_ATTR_CODE
547	Update reference	VS57_VAL_ATTR
552	No change required as this was not implemented	
561	Removed check	VS57_ERR_SAMEFOIDREL
562	Removed checks	VS57_ATT_54, VS57_ATT_55, VS57_ATT_60, VS57_ATT_61
563	Removed checks	VS57_ATT_57, VS57_ATT_64, VS57_ERR_65
564	Removed checks	VS57_UOC_158, VS57_UOC_159, VS57_UOC_160, VS57_UOC_161
565	Removed checks	VS57_UOC_158, VS57_UOC_159, VS57_UOC_160, VS57_UOC_161
566	Update reference	VS57_UOC_156
1005	Added checks	VS57_SPT_53 – VS57_SPT_67
1500	Remove reference	VS57_UOC_99
1547	Removed reference to S-58 1574	VS57_MET_7
1553	Update reference	VS57_MET_11A
1566	Modified check	VS57_ERR_EDGE_BORDER2
1580	Changed error to warning	VS57_UOC_81
1599	Changed error to warning	VS57_UOC_91 and VS57_UOC_91A
1612	Changed error to warning	VS57_UOC_95

1623	No change required	VS57_REL_12, VS57_REL_13, VS57_UOC_129
1625	Modified check	VS57_REL_2
1630	Modified check	VS57_UOC_99
1643	Removed check	VS57_UOC_74
1645	Removed check	VS57_LDA_NOT_EXIST
1670	Modified check	VS57_UOC_130 and VS57_UOC_131
1671	No change required	VS57_ERR_FEAT_DUP
1673	Modified check	VS57_ERR_ATT_SBDARE
1681	Modified check	VS57_UOC_148
1683	Modified check	VS57_REL_11
1694	Modified check	VS57_UOC_149
1696	Modified check	VS57_UOC_150
1762	Modified check	VS57_UOC_142
1767	Modified check	VS57_ERR_EDGE_BORDER4
1771	Removed check	VS57_ERR_LDA_NOT_EXIST
1776	No change required	VS57_UOC_139 and VS57_UOC_139A
1780	Modified check	VS57_ERR_NATSUR_NATQUA
1785	Added check	VS57_ATT_64
1786	Added check	VS57_SPT_68
1787	Added check	VS57_SPT_69
1788	Added check	VS57_REL_3A
1789	Added check	VS57_SPT_70, VS57_SPT_71, VS57_SPT_72, VS57_SPT_73
1790	Added check	VS57_ATT_65, VS57_REL_18, VS57_REL_19
1791	Added check	VS57_SPT_74, VS57_SPT_75
1792	Added check	VS57_ERR_180MERIDIAN
1793	Added check	VS57_ERR_LITVIS
1794	Added check	VS57_REL_20
1795	Added check	VS57_REL_21 – VS57_REL_24
1796	Added check	VS57_ATT_66
2000	Modified check	VS57_OBJATTR_VAL

Known problems

4921	Only reports one edge when a DEPCNT is not bordered by two DEPARE areas	VS57_ERR_DCNT_NO_DEPARE
4944	Reports legal ACHARE in RESTRN in related objects along with illegally encoded ACHARE	VS57_SPT_37

Agency codes

Agency codes have been updated to OpenECDIS.org, September 2009.

Installation instructions

The installation media will have two installation setups: CodeMeterRuntime32.exe and ENCAalyzer.exe.

Install the CodemeterRuntime32.exe first and then ENCAalyzer.exe.

For further information, refer to the ENC Analyzer 2.8.0 User's Guide.

Deliverables

The ENC Analyzer 2.8.0 release includes the following:

1. Release media (CD)
2. User's Guide
3. Custom Rules Guide
4. Rules checklist spreadsheet
5. Release Note (this document)