

WHEN YOU NEED TO BE SURE



# **CyFlex® Release Notes**

**Release Version 6.3.32**

**Developed by SGS North America, Inc.**



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## Overview

This release notes document identifies and describes the updates for CyFlex version 6.3.32. The following link contains Jira issues within this release: [cyflex.6.3.32 - Jira Issues](#)

Refer to *Installation Notes* below for install-related considerations.

## Installation Notes

[CFBUG-2900](#) - The cyflex.6.3.32 version includes code that integrates the elog book entries with the integrity system. If the test ID is an integrity test id, logbook entries will be sent to the integrity database instead of mcparts. When the cyflex.6.3.32 version is installed, a corresponding integrity\_interface RPM will also be installed. The integrity\_interface RPM takes care of installing required directories and associated files. No additional steps must be taken by the user.

## Issue Type and Jira Issue Legends

Refer to the following legend for **Issue Type**:

Issue Type Key	Definition
NF	New feature
B	Bug
I	Improvement

**X** = denotes additional information about change within the **Related Jira Issue**.

## General Applications

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
All cyflex programs that create array variables		I	<a href="#">CFBUG-2923</a>	Increased the number of enums that can be used in an array from 600 to 3500
eblox_svr		B	<a href="#">CFBUG-2921</a>	Fixed a bug that did not check output size correctly
cell.def/sub_systems/AvlAir		NF	<a href="#">CFBUG-2918</a>	Add config files for avl flowsonic
wuxi_asc wuxi_test		I	<a href="#">CFBUG-2917</a>	Deprecate programs
eblox_svr eblox_strm		B	<a href="#">CFBUG-2916</a>	Fixed a bug with eblock_svr in relation to trying to set the output size, even if outputs are not in use
arr_size		NF	<a href="#">CFBUG-2914</a>	Add -q option to display only the size of an array or array dimension
garr		I	<a href="#">CFBUG-2913</a>	garr output can now be formatted
emcon_comm		I	<a href="#">CFBUG-2911</a>	Made compatible with 6.3.x
CanDbc		I	<a href="#">CFBUG-2910</a>	Updated error message when Max and Min are the same in .dbc file
darts_datapoint		B	<a href="#">CFBUG-2906</a>	Add checks to see if Totaldatapoint variable is created
gmodbus_child		B	<a href="#">CFBUG-2905</a>	Add missing break statement in gmodbus_child that caused false error

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
datapoint		NF	<a href="#">CFBUG-2904</a>	Modifications to handle generation of a temporary datapoint file and adding lines to a fuel log file when mach specific events are sent and received from the mach at the test cell programs
libasset.so.6.3.0 ev_tcp_send ev_tcp_specs		B	<a href="#">CFBUG-2903</a>	Fixed problem when requesting new run number block periodically
libocc_get_opt.so.6.3.0 meterlogcell		B	<a href="#">CFBUG-2901</a>	Enclose engine model string with single quotes in case model is entered with embedded blanks
libelog.so.6.3.0 integrity_interface		NF	<a href="#">CFBUG-2900</a>	Create integrity_interface program and modify the insertArbitraryELog function
ck		B	<a href="#">CFBUG-2899</a>	Fixed ASAM3_RAMP missing from ck output
CanTestDecode CanDbc candbc_list candbc_clear		I	<a href="#">CFBUG-2898</a>	Can messages will not skip a message for ccp if ccp is not running
show_mem		I	<a href="#">CFBUG-2897</a>	show_mem writes to error log if memory is almost full
eng_specs gp_test		I	<a href="#">CFBUG-2896</a>	eng_specs and gp_test now uses sh instead of ksh
specs.def/vz_specs.template		I	<a href="#">CFBUG-2895</a>	Updated the /cyflex/specs.def/vz_specs.template file for a newer version of vzs
arr_size		B	<a href="#">CFBUG-2891</a>	Fixed segmentation fault when no arguments are specified
libtestgp.so.6.3.0		I	<a href="#">CFBUG-2890</a>	@TRACE_FILENAME keyword needs error checking
burn_emis		B	<a href="#">CFBUG-2888</a>	Modify carbon balance error calculation to make HC and CO optional

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
ecat_srvr		B	<a href="#">CFBUG-2887</a>	Add checking the domains independently for errors
perf_labels comp_perf		I	<a href="#">CFBUG-2886</a>	Remove the logging of detailed power information into the epower.array variable
eblox_srvr		B	<a href="#">CFBUG-2885</a>	Fixed a bug where config files were not being processed correctly
specs.def/logr_spec.def specs.def/logr_template		I	<a href="#">CFBUG-2884</a>	Updated files
man/man1/*.html files		I	<a href="#">CFBUG-2882</a>	Update usage files from cyflex.com
tranMove		B	<a href="#">CFBUG-2878</a>	Fixed problem where the PAM information was getting set incorrectly
to		B	<a href="#">CFBUG-2877</a>	Fixed possible core dump
darts_datapoint		B	<a href="#">CFBUG-2875</a>	Removed meaningless error for darts_datapoint pertaining to found duplicate keywords
setDARTStestid mua_specs		B	<a href="#">CFBUG-2874</a>	Modification to default to site name if extension is not present
ecat_mon ecat_srvr		B	<a href="#">CFBUG-2868</a>	ecat_mon no longer updates variables if ecat_srvr is not running
pamResend dartsResend		B	<a href="#">CFBUG-2866</a>	Fixed core dump when looking at a non-directory
datapoint darts_datapoint		I	<a href="#">CFBUG-2864</a>	Add -csv optional argument to signify the log file should be written in csv file format
gmodbus gmodbus_child		I	<a href="#">CFBUG-2863</a>	gmodbus can now have a cyflex var as a register

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
eng_specs		B	<a href="#">CFBUG-2862</a>	eng_specs will now validate true or TRUE in a pnp file
wait_for_event		B	<a href="#">CFBUG-2856</a>	Fixed core dumped if timeout argument missing
eblox_svr eblox_strm		B	<a href="#">CFBUG-2855</a>	Update so the newest gantner firmware works for outputs
dy th		NF	<a href="#">CFBUG-2854</a>	The TH and DY commands do not default to using no ramp rate if one is not specified.
vrbl_to_file		B	<a href="#">CFBUG-2850</a>	Fixed run-on between units and value in vrbl_to_file output file
libasset.so.6.3.0		I	<a href="#">CFBUG-2849</a>	Made a change to always update time and pid for logical variables
cell.def/sub_systems/eagle_ey e_lb		I	<a href="#">CFBUG-2848</a>	Added necessary files to start communication with and control lb_ccd series load banks from eagle eye
LB_CCD		B	<a href="#">CFBUG-2845</a>	Finished making changes for the eagle eye load bank task LB_CCD
alias_labels		I	<a href="#">CFBUG-2843</a>	Fixed alias labels to not allow an alias to be specified as non-alias variable
state_mon		B	<a href="#">CFBUG-2842</a> <a href="#">CFBUG-2869</a>	Fixed alignment issues in trace file. state_mon improvements
specs.def/user_ctrl_specs.def user_ctrl_specs user_ctrl_task		NF	<a href="#">CFBUG-2837</a>	Feedback and output units can't be changed without slaying and restarting an instance of the user control program.



Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
cmds/fixownspecs		I	<a href="#">CFBUG-2836</a>	Updated to not send nuisance emails
gp_test		I	<a href="#">CFBUG-2832</a>	Removed obsolete code related to gp_test (pierburg, flowbench, and state_mon)
libflow.so.6.3.0		I	<a href="#">CFBUG-2799</a>	Deprecate library
capture_cal fb_temp_cal		I	<a href="#">CFBUG-2781</a>	Deprecate executables
blower_start blower_stop flowbench_coll frame_done frame_left frame_right frame_stop table_done table_left table_right table_stop valve_down valve_stop valve_up		I	<a href="#">CFBUG-2780</a>	Deprecate executables
error_mgr		I	<a href="#">CFBUG-2697</a>	Modifications for handling arguments of program better

## Transient Emission Applications

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
all esvd12 programs		I	<a href="#">CFBUG-2922</a>	Removed processing of @DATA_CHANNEL_GROUP_xxx and @DATA_CHANNEL_GROUPS keyword and associated data structure elements
all esvd12 programs		I	<a href="#">CFBUG-2920</a>	Modification to remove processing of the @GAP_FULL_SSFM_SOURCE_ACT_NUM, @GAP_DIFM_SOURCE_ACTIVITY_NUM and @GAP_PIFM_SOURCE_ACTIVITY_NUM
all esvd12 programs		I	<a href="#">CFBUG-2919</a>	Modification to add the @TEST_PLAN_REVISION_COMMENT keyword to the data structure
esvd_star5.b09 esvd_star5.12		B	<a href="#">CFBUG-2915</a>	Modification to handle adding deskew times if the pam keyword extensions are between 1 and 99
tca.10c tca.12		B	<a href="#">CFBUG-2912</a>	Remove negative check in the report for WOT/Mapping Range/Maximum Speed - torque and power values
tca.10c tca.12		B	<a href="#">CFBUG-2908</a>	Fixed Comb Air Temp on report to reflect the correct units and not assume the value is deg_f
run_num_mgr.12 blk_num_mgr.12		I	<a href="#">CFBUG-2903</a>	Improve error message to add additional information about the block number requested
write_ecm_overrides12		NF	<a href="#">CFBUG-2893</a>	Modifications to handle the activity argument as an activity or config
tca.12		I	<a href="#">CFBUG-2892</a>	Modify to write the @MAP_OVERRIDES keyword and values to the star3 section of the composite file
set_eng_specs12		NF	<a href="#">CFBUG-2883</a>	Allow the cycle_name argument to be optional
write_ecm_specs12		I	<a href="#">CFBUG-2881</a>	Change to add a path argument for the config and calibration file

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
all esvd12 programs		I	<a href="#">CFBUG-2880</a>	Increase MAX_CONFIGS from 20 to 100 for all esvd12 programs
ecg.12 tca.12		I	<a href="#">CFBUG-2876</a>	Increase version number of ecg.12 and tca.12 due to report changes
tca.12		B	<a href="#">CFBUG-2873</a>	Fixed problem when figuring out what config is being used when the config names are close
all esvd12 programs		I	<a href="#">CFBUG-2872</a>	Modification to allow up to 100 cycles under a config
set_eng_specs.12		B	<a href="#">CFBUG-2871</a>	Modification to correctly set the ^ variables appropriately
star_pream.12		B	<a href="#">CFBUG-2870</a>	Removed Alternate Contact Name in pream of composite file
save_status libasset.so.6.3.0 libarrays.so.6.3.0 make_tri_arrays		I	<a href="#">CFBUG-2867</a>	Modified code to create tri array variables with 100000 as the default number of elements - removed saving tri_* array variables from save_status
tca_logr.12 tca_header.10c		B	<a href="#">CFBUG-2858</a>	Prevent core dumps if specified files do not exist
all esvd10c and esvd12 programs		B	<a href="#">CFBUG-2857</a>	Several changes to the esvd10c and esvd12 directories
libtri_nface12.so.6.3.0 esvd_star5.12		B	<a href="#">CFBUG-2852</a>	Removed error message about the comment line getting truncated and fixed the spelling of available in an error message
star2_7.12		B	<a href="#">CFBUG-2851</a>	Fixed problem where floger_filename and esvd_specs_filename arguments were getting truncated
mk_config_files12		B	<a href="#">CFBUG-2847</a>	Fixed problem with mk_config_files12 not writing the correct reference cycle names

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
ecg.10c ecg.12		I	<a href="#">CFBUG-2846</a>	Fixed code where processing 9, 10 and 11 denormalization codes
ecg.12		B	<a href="#">CFBUG-2841</a>	Fixed problem where transmission type was getting changed from Automatic to Manual due to a typo in code
all esvd12 programs add write_ecm_overrides12 add write_ecm_specs12 programs		B	<a href="#">CFBUG-2839</a>	Modified the way override files are written - create write_ecm_overrides12 and write_ecm_specs12 programs

### Release Notes for Previous cyflex.6.3 Versions

<a href="#">CyFlex 6.3.29</a>	<a href="#">CyFlex 6.3.26</a>	<a href="#">CyFlex 6.3.23</a>
<a href="#">CyFlex 6.3.28</a>	<a href="#">CyFlex 6.3.25</a>	<a href="#">CyFlex 6.3.21</a>
<a href="#">CyFlex 6.3.27</a>	<a href="#">CyFlex 6.3.24</a>	<a href="#">CyFlex 6.3.19 - Initial Release</a>