

WHEN YOU NEED TO BE SURE



CyFlex® Release Notes

Release Version 6.3.23

Developed by SGS North America, Inc.

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Overview

This release notes document identifies and describes the updates for CyFlex version 6.3.23. The Jira issues pertaining to the changes for cyflex.6.3.23: [Cyflex.6.3.23 Jira Issues](#)

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

Installation Notes

- A new @TIME_FORMAT option within the loger_specs file has been added. Use HI_RES to format the date/time as DD/MM/YEAR HR:MIN:SEC.MSEC. For example:22/08/2020 08:09:10.123
- Obsoleted programs: Move_Node, pnp_LOS, pnp_SMOC
- @WRITE_NORMALIZED_DATA_SECTION has been added to ongaSpecs file to flag if \$NORMALIZED_DATA section is to be written to the database output files
- The ~ operator should not be used within computed expressions of gen_labels. Because it gives the wrong answer the user is told, via error message, not to use the ~ operator.
- If the ^ operator is used, a warning is given but the use is allowed in case someone wants an exclusive OR of two variables.

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

General Applications

Application, Script, or Library	Issue Type	Bug Fix Name	Description
dlogger 6.3.2	B	CFBUG-2597	Add spec file extension to the dlogger output file to uniquely identify dlogger instance output files with the same spec file basename
ai_ecat 6.3.2	I	CFBUG-2595	ai_ecat now checks if a channel is null instead of using the scan buffer
limit_rpt 6.3.1	I	CFBUG-2592	Seconds have been added to time strings in limit_rpt output file
libAK_CAI.so.6.3.0 6.3.1	NF	CFBUG-2590	AkTestIntFTIR now supports array variables.
ecat_srvr 6.3.1	B	CFBUG-2588	Made updates to ethercat for Beckhoff communication and reconnection capabilities
emcon_comm 6.3.1	B	CFBUG-2587	Removed logoff when the signal handler is triggered
dlogger 6.3.1	B	CFBUG-2586	Write the asset variable name to the \$keywords section for asam3 specs instead of the ecm variable names
changeKeyword 6.3.1 changeDartsKeyword 6.3.1 changeUnits 6.3.1 changeDartsUnits 6.3.1	B	CFBUG-2585	Fixed issue where length of the line was too small for several programs
error_mgr 6.3.1	B	CFBUG-2584	Fixed a bug in error_mgr that caused filter errors to not work after a few days
channel.dat parameter.dat units.dat	I	CFBUG-2582	New *.dat files from 11/06/2020
init_properties 6.3.1 inpt_handler 6.3.1 unit_test 6.3.1	B	CFBUG-2576	Fixed buffer overflows and misuse of absolute value call

Application, Script, or Library	Issue Type	Bug Fix Name	Description
darts_datapoint 6.3.1	B	CFBUG-2573	Updated to overwrite changed data when eng_specs is rerun
gen_labels 6.3.1 get_comp 6.3.1	I	CFBUG-2572	Add warnings about the use of the ^ and ~ operators in get_comp and gen_labels
snode_link 6.3.1	I	CFBUG-2571	Improve error messages when there is a units conversion problem in snode_link
devcom_mon 6.3.1	B	CFBUG-2567	Change to no longer remove a node on a failure if debug is on
gp_test 6.3.1	B	CFBUG-2564	Fixed problem with gp_test not able to set torque properly After previous fixes, a timing problem remained between gp_test and the eng_ctrl_task if the engine control mode was changed in the same test mode as speed or torque.
gp_test 6.3.1	B	CFBUG-2563	eng_ctrl_task does not control torque properly. The @TORQUE command did not work properly when used in combination with @THROTTLE and @ENG_CTRL_MODE
cmds/specsbackup	I	CFBUG-2562	Updated email address and removed default svn server from specsbackup Corrected the email address to cyflexsupport@sgs.com to be notified when the script fails to find cell name, site name, or svn server. Removed the section that sets acdc server as default if it wasn't specified. It was decided the user should properly configure cyflex.sh
browse.dat channel.dat parameter.dat units.dat	I	CFBUG-2561	New *.dat files from 10/06/2020
specs.def/gp/gp_template	I	CFBUG-2560	Updated gp_template to include @SPD, @DYN, @THR and @DYN
libasset.so.6.3.0 6.3.2	B	CFBUG-2557	The library function get_ms_interval does not recognize units A check was added to see if units accompanied the interval value and, if they were, the units were checked to see if they were time units and then converted to msec.

Application, Script, or Library	Issue Type	Bug Fix Name	Description
asam3cli 6.3.1	B	CFBUG-2556	Update asam3cli to talk to Inca 7.2
cmds/specsbackup	I	CFBUG-2555	Updated specsbackup to create esvd_data/specs and cycles directory
dlogger 6.3.1 floger 6.3.1 libloggershared.so.6.3.0 6.3.1	B	CFBUG-2553	The logging active flag does not turn off as it should in floger. There are many ways that these programs can stop logging on commands from the user, exit normally, or be killed off by the user. Some of the possibilities did not turn off the logging active flag.
dlogger 6.3.1 floger 6.3.1 libloggershared.so.6.3.0 6.3.1	B	CFBUG-2551	Bug fixed to make Logging Active flag function as it should
floger 6.3.1	B	CFBUG-2549	The @TIME_FORMAT in the fast logger program did not work as published. If the user specified the @TIME_FORMAT to be DEFAULT_FORMAT the expectation was that time would be logged as: DD/MM/YEAR HR:MN:SC even if the scan rate was faster than 1 Hz. However, the scan rate over-road the time format keyword.
ai_ecat 6.3.1	B	CFBUG-2533	Add support for unsigned values in ai_ecat
msu_set 6.3.1	B	CFBUG-2271	Corrected an issue in which msu_set states changes issued back to back may be missed.

Central Server Applications

Application, Script, or Library	Issue Type	Bug Fix Name	Description
ongadata 6.3.1	I	CFBUG-2574	Flag implemented in ongadata specs file to signify if \$NORMALIZED_DATA section is to be written to output file

Java Applications

Application, Script, or Library	Issue Type	Bug Fix Name	Description
ExternalDataManager.jar 6.3.1	B	CFBUG-2570	Handle new ONGA data file format.
applications.jar 6.3.1	I	CFBUG-2566	Treat an IP address of 127.0.0.1 as an improperly configuration system.

Transient Emission Applications

Application, Script, or Library	Issue Type	Bug Fix Name	Description
tca.10c 6.3.1	B	CFBUG-2579	tca.10c will not exit before creating the throttle feed forward table if NONE is cvs_specs_filename argument If NONE is specified for the argument, the check for the total num idle gvr points is not performed and the program will continue to create the throttle feed forward table.
ecg_header.12 6.3.3 ecg.12 6.3.2	I	CFBUG-2575	Modify ecg.12 and ecg_header.12 to accommodate transmission deviations
make_tri_arrays 6.3.1	I	CFBUG-2569	Reduce the size of array variables used for TRI There are many variables in the various string arrays created for TRI in CyFlex that are not necessary and can be eliminated. This has been done for the string and real array variables.
ecg.12 6.3.2 ecg.10c 6.3.1	I	CFBUG-2565	Improve error messages for reading the ECG input file. If, somehow, a zero length ECG input file was created and attempted to be read, the error messages pertained to meaningless issues. The real issue was that there was no data in the file.

Application, Script, or Library	Issue Type	Bug Fix Name	Description
libesvdnface10c.so.6.3.0 6.3.1 libtri_nface12.so.6.3.0 6.3.2	B	CFBUG-2558	<p>Replace calls to ab() with calls to fabs() Two functions in the libraries for both esvd10c and esvd12 use the abs() function to test floating point numbers when they should be using fabs().</p> <p>The consequences of using the wrong function are not known but have been in esvd10c for many years. Esvd12 is just now being released so there shouldn't be any issues with existing data.</p>
ecg_header.10c 6.3.1 ecg_header.12 6.3.2	I	CFBUG-2552	Improve ecg_header (10c and 12) to write all errors to the console.

Weighroom Applications

Application, Script, or Library	Issue Type	Bug Fix Name	Description
libwtrm_dbase.so.6.3.0 6.3.1	B	CFBUG-2581	Prevent users from doing pretest preliminary weighing action if no pretest certified weight has been taken