

WHEN YOU NEED TO BE SURE



CyFlex® Release Notes

Release Versions 6.3.33 and 7.0.8b

Developed by SGS North America, Inc.

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Overview

This release notes document identifies and describes the updates for CyFlex versions 6.3.33 and 7.0.8b. The following link contains Jira issues within this release: [cyflex.6.3.33/cyflex.7.0.8b - Jira Issues](#)

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

Installation Notes

The **Obsoleted Applications** section has been added to this document. This section lists the applications that have been removed from the build of CyFlex for this version. For these applications, within the `/cyflex/cmds/` directory a script has been created with the obsoleted application name. If the obsoleted application is executed at a test cell, the `/cyflex/cmds` script file will be executed. The script will print out a message stating the program has been obsoleted and an email will be sent to SGS containing information of the site, cell and ip address of the system where the application was executed. The message output will also mention that the local CyFlex support staff should be contacted.

For the cummins-cyflex.6.3.33 version – the errorviewer RPM version installed must be 1.1.1. To tell what version of the rpm is installed, the following command should be executed: `rpm -qa | grep errorviewer`

For the cummins-cyflex.7.0.8b version – the errorviewer RPM version installed must be 1.1.3. To tell what version of the rpm is installed, the following command should be executed: `rpm -qa | grep errorviewer`

For both the cummins-cyflex.6.3.33 and the cummins-cyflex.7.0.8b versions – the integrity_interface RPM version installed must be 1.0.2. To tell what version of the rpm is installed, the following command should be executed: `rpm -qa | grep integrity_interface`

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
parameter.dat		I	CFBUG-2974	New *.dat files for 8/30/22
ao_modbus_tcp ao_modbus_serial		B	CFBUG-2962	AO now works with holding registers for modbus driver
gp_test		B	CFBUG-2961	Fixed core dump from happening when mode is in 'hold' and one of the limits is violated
errorviewer RPM version 1.1.1		I	CFBUG-2959	Update the General Devices application list within ErrorViewer
libasset.so.6.3.0		I	CFBUG-2958	Create 1065 compliant @vp_to_dpt() function to calculate dew point temperature from vapor pressure

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
v4_ctrl		B	CFBUG-2957	Allow the dyno open/closed mode variable to be entered as an expression for the V4 controller When using the new engine control program, the value of the open/closed mode variable is inverted from a possible variable with the old program. This change allows the user to enter an expression - such as !Dyno_MD rather than creating a gen_labels variable to accomplish the inversion. This capability only applies when using the new eng_ctrl_task.
dynlink		B	CFBUG-2956	Fixed problem causing core dump
ai_modbus_tcp ai_modbus_serial modbus_strm_tcp modbus_strm_serial		B	CFBUG-2955	Updated modbus to use holding register for ai
darts_datapoint		B	CFBUG-2954	Fixed darts_datapoint from recording 0.00000000 for good channels
ao_eblox		NF	CFBUG-2953	Added gain to ao_eblox attribute file
emcon_comm		B	CFBUG-2952	Fixed a bug that could cause the timeout to be instant causing timing issues
browse.dat channel.dat parameter.dat units.dat		I	CFBUG-2951	New *.dat files for 7/14/22
gp_test ck libtestgp.so.6.3.0		I	CFBUG-2950	Computation of @PARAMETERS produced errors with nt and ck
svar		I	CFBUG-2948	svar can change an integer based on another integer

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
specs.def/gmodbus.def		I	CFBUG-2947	Update documentation for RS232 instructions
libtestgp.so.6.0 gp_test ck		B	CFBUG-2945	Fixed nt & ck from core dumping if path argument missing for @SWITCH case
ctrl_cfg_dsply		I	CFBUG-2939	Modify ctrl_cfg_dsply app so it exits if the ctrl_task is not running
get_comp		I	CFBUG-2938	Add an optional argument – option The option argument allows you to specify how the output is to be displayed – See get_comp usage
darts_datapoint		I	CFBUG-2937	Modified to throw an error if \$DartsHeader is not specified in main specfile
ecat_srvr		I	CFBUG-2936	Add check of product code for new q.pac module
ai_specs		I	CFBUG-2935	Create carcass table file using units of that channel specified in inpt_specs
arr_specs any application using computed expressions		B	CFBUG-2934	Fixed problem where LOGI_ARRAY values do not update properly from arr_specs and allow "TRUE", "FALSE", "ON", "OFF", in a case insensitive manner.

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
dc_AKg		I	CFBUG-2933	New options for dc_AKg specfile to ignore AK protocol errors To ignore the AK protocol errors, you can add the following to the specfile: \$OK - \$Offline - \$Busy - \$SyntaxErr - \$DataErr - \$NotAvailable - The '-' indicates to ignore the AK errors
garr. - any string array manipulation apps libasset.6.0 get_comp any apps supporting computed expression		NF	CFBUG-2932	create a user function (@parse_line) to parse the value string of a STRING or STRING_ARRAY variable @parse_line('label', 'delim', 5) label and delim must be single quoted Retrieves the 5th element of the label string delimited by delim
delta_hst, delta_split, list_all_split_data, show_hst_data		B	CFBUG-2931	Corrected some garbage in history retrieval

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
libasset.so.6.3.0		I	CFBUG-2930	protect @strcpy and @strncpy from corrupting shared memory
integrity_interface integrity_interface RPM		B	CFBUG-2929	Changed location of the integrity_info.ini file from /specs to /usr/local/share/cyflex
darts_datapoint		B	CFBUG-2927	Fixed core dump if an eng_pnp file does not exist
gp_test		B	CFBUG-2926	Fixed problem where @TEST_TABLE not terminating properly
testFvalue CanTestDecode CanDbc candbc_cpp_get candbc_cpp_set candbc_full_list candbc_set candbc_ccp_cmd candbc_list candbc_clear candbc_daq		B	CFBUG-2909	CanDbc can send a message a certain number of times
gp_test		B	CFBUG-2907	Fixed name registration issue where multiple instances would hang around
volef2		I	CFBUG-2844	Add capability for engine displacement for a manifold or 2-cycle engine to be entered as a variable label or a constant value per the usage of volef2

Transient Emission Applications

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
all esvd12 programs		B	CFBUG-2960	Fixed problem with processing activities if over 595 are specified due to short data type limitation when the index is assigned to a keyword

Obsoleted Applications

CFBUG-2975	cutytcp, cuty_faults, cutyfaults_specs, cuty_get, cuty_set, cuty_initvar, cuty_specs, cuty_stop, cuty_tst, cuty_rcoll, cuty_ctrl, cutyc_specs, cuty_coll, asap3cli, asap3_cmd, asap3_faults, asap3faults_specs, asap3_get, asap3_set, asap3_shutdown, asap3_stop, asap3_specs, asap3_poll, asap3_ctrl, ac_specs
CFBUG-2925	init_sat_vrbls, compute_runs_ahead, clr_arr, fuel_reading_rdy, file_lock, chk_file_lock, file_unlock, bld_SAT_dsply, bld_sat_jobs, vrbl_file_to_array, vrbl_from_array, sat_results, sat_evaluate

Release Notes for Previous cyflex.6.3 Versions

CyFlex 6.3.32	CyFlex 6.3.26	CyFlex 6.3.21
CyFlex 6.3.29	CyFlex 6.3.25	CyFlex 6.3.19 - Initial Release
CyFlex 6.3.28	CyFlex 6.3.24	
CyFlex 6.3.27	CyFlex 6.3.23	