SGS

CyFlex® Release Notes

Release Version 6.3.25

Developed by SGS North America, Inc.

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Overview

This release notes document identifies and describes the updates for CyFlex version 6.3.25. The following link contains Jira issues within this release: cyflex.6.3.25 - Jira Issues

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

Installation Notes

- **CFBUG-2681** –
    - Modified so that the global override variable, "var_override" can be turned on/off at any time. It does not have to be set in the go.scp.
    - Modified the "override_mon" task so that it can be launched at any time. It does not have to be launched in the go.scp. It also now registers its name as "Override_mon". Simply running the "sovr" app will cause it to be launched.
    - Modified the "sovr" application to launch the "override_mon" if it isn't already running.

- **CFBUG-2679** - Since CyFlex versions are now released through an RPM process, it is recommended that the following steps be taken:
    - Remove the execution of the showverlist script file from the go.scp file
    - Remove the CYFLEX_SYNCVER_SRC environment variable from the /etc/profile.d/cyflex.sh file

- **CFBUG-2667** – Allow "tmr-…" event names like the following to be created in gen_labels:
    tmr-1000-ch
    tmr-1000-ch4
    tmr-abc

    The following event name would not be allowed to get created:
    tmr-5
    tmr-abc-123

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	Install Note Above	Issue Type	Bug Fix Name	Description
pwm_ctrl		I	CFBUG-2462	Code cleanup – no changes
evaluate		B	CFBUG-2662	Fixed problem where evaluate would not attach to tmr-1000 event
libcyflexPAM.so.6.3.0 datapoint PAMheader		B	CFBUG-2664	EPA requires values report to 6 significant places - "datapoint" task did not do that
delta_hst delta_split		B	CFBUG-2666	Modify delta_hst and delta_split to avoid handle of variables in the @IgnoreList Prior to this modification, the *.hst files would contain reference to "ignored" variables in the header section and so, the delta_split application would create a split file for each of those variables even though variables were not being monitored for changing values.
gen_labels	Y	B	CFBUG-2667	Allow events with tmr- names to be created
channel.dat parameter.dat units.dat		I	CFBUG-2668	New *.dat files from 04/23/21

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
use_w3m RPM		B	CFBUG-2669	Fixed problem with use_w3m RPM and use file when parsing cyflex version number
dc_GenSync		B	CFBUG-2670	Updated else if to fix bug in GenSync
to		I	CFBUG-2672	Allow units for the "to" command in 6.3 when using the eng_ctrl_task The new engine control program allows the user to specify torque control units that are different from the feedback variable. Because of this, units capability was removed from the to command. This capability has been added back in. If used, the units must be added without spaces as follows: to 500[n-m] 100[lb_ft]
cmds/verify_testcell_config.sh		I	CFBUG-2673	Remove references to CYFLEX_SYNCVER_SRC in documentation and scripts
run_aver		B	CFBUG-2675	Handle variables not found for run_aver better and eliminate bogus errors
errs		B	CFBUG-2677	errs t=0 will now pull additional errors from the backup database
sarr ebox_srvr user_ctrl_specs eng_ctrl_specs init_composition gas_blend tranMove limit_specs		B	CFBUG-2678	Fixed buffer overflows in several applications identified by address sanitizer utility
cell.def/go.scp		I	CFBUG-2679	Removed reference to showverlist from go.scp template file in /cyflex/cell.def

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
sovr override_mon libasset.so.6.3.0	Y	I	[CFBUG-2681](#)	Fixed overrides

Transient Emission Applications

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
tca.10c tca.12		B	[CFBUG-2671](#)	Modified to handle more than 6 steps of idle speed with load sections
tca.10c tca.12		I	[CFBUG-2682](#)	Improve error message in tca program to include idle speed when the first WOT point speed is > 95% + 1% NO_LOAD average speed value
ecg.10c ecg.12		I	[CFBUG-2685](#)	Add torque denormalization code four to ecg.10c and ecg.12
tca.10c tca.12		B	[CFBUG-2687](#)	Fixed problem of incorrect Torque units in tca report and incorrect Closed Throttle Max Speed values
tca.10c tca.12 ecg.10c ecg.12		I	[CFBUG-2691](#)	Update the Analyzed by field within the ecg/tca report with the correct program name and add version
tca.12		I	[CFBUG-2692](#)	Changed Power column units in report to lower case

Release Notes for Previous cyflex.6.3 Versions