



CyFlex® Knowledge Article

Beta Release and Testing Procedure

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This document details the CyFlex beta version release process and how to participate in beta release testing.

Description:	<ul style="list-style-type: none"> • A CyFlex beta release becomes available after successful completion of bench and alpha testing of a new CyFlex version. • The “B” suffix will be added to the base version number, the executable, and the library version numbers to indicate a beta version (e.g., version 6.2.4B) • When CyFlex beta versions are ready for testing in test cells, a variety of cells with unique hardware and functionality is used. Beta testing is conducted by customer participants in the beta release validation process.
Goal for Beta Validation:	<ul style="list-style-type: none"> • At least 40 hours of actual engine operation with no major release-related issues in each of the target beta test cells.
Requirements for Beta Testing:	<p>Each beta program participant is expected to:</p> <ul style="list-style-type: none"> • Register your interest in being a beta program participant by emailing your contact information to: jennifer.schuck@trplabs.com • Review the current release notes for the beta version. • Submit issues discovered using CyFlex JIRA issue tracking • Email jennifer.schuck@trplabs.com the site, start date, and test cell number where beta testing is to be performed and provide a general description of the capabilities of the cell (I/O, special hardware, dyno, instruments used, etc.) Include also the main contact person during beta testing • Beta testing will be tracked in JIRA for each specific cell tested and assigned to the main contact person • Beta testers must report in JIRA the results of testing and also ensure that newly released versions (including beta updates) are installed in a timely manner when available

<p>Standard Process for Validation of Beta Version:</p>	<p>Each beta program participant is expected to:</p> <ul style="list-style-type: none"> • Execute <code>go</code> in original version of CyFlex • Make backups of any error logs • Execute <code>slay_stuff</code> • Switch to beta version of CyFlex • Make REQUIRED configuration changes that have been noted within the Installation Notes of the Release Notes document • Execute <code>sudo /sbin/ldconfig</code> • Execute 'go' in beta version of CyFlex • Compare the error log files between the original CyFlex version and the beta version – new error message may appear due to changes made in the beta version • If willing to validate New Features within the beta version of CyFlex, these New Features should be validated incrementally per the Installation Notes section of the Release Notes document
<p>If issues occur during testing:</p>	<p>Each beta program participant is expected to:</p> <ul style="list-style-type: none"> • Submit a Jira Issue within the CyFlex Cummins Support project (<i>Preferred</i>) https://max.cybermetrix.com/jira • <i>OR</i> Notify Jennifer Schuck at TRP Laboratories jennifer.schuck@trplabs.com 812-375-5862 • Include reference information comparing performance of the previous version to the beta version, a clear description of the issue, as well as steps that can help to reproduce the issue. Include the test cell number, version number and any errors or files (error log, trace files, etc.) if available • If an issue is encountered that blocks test cell operations, the cell should be rolled back to the last stable version and reported in JIRA as an issue.
<p>What to do when the beta testing validation period is complete:</p>	<p>Each beta program participant is expected to:</p> <ul style="list-style-type: none"> • Comment on the results and close out the JIRA beta testing for that test cell testing a specific beta release once validation is complete (i.e. 40 hours of engine running). • Continue to run the beta version until the official full release is available. Update each new beta version or patch that becomes available until the official release • Update to the official full release as soon as available

When all beta validations are complete:

- TRP Laboratories will make an official release available, and beta participants should update to the official release as soon as possible