



# Software Release Notice

## FeatureCall™ Version 3.71x

### 1. Purpose:

The purpose of this document is to define the application enhancements and corrections in the FeatureCall version 3.71x.

### 2. Models Affected:

This release includes new features, enhancements and corrections that are appropriate for updating all FeatureCall releases beginning with version 3.50. The changes affect the following areas of the application:

- The addition of features to support VoPII.
- Addition of extension codes that permit the collection and reporting of data from 32 extension report codes added to each script. These are in addition to the standard, system wide, 32 report codes
- Enhancements to the gauge windows and report generator to support extended report codes
- Modification to the TestCase Scheduler to properly execute TestCases on recurring days.
- Addition of dialogs and windows to support access to the Multimedia user tools.
- Additions to restore routine to support compatibility of backup files created in FeatureCall 3.5 through 3.65 and the series 5.xx Cyclone™ Host file structure change.

### 3. Corrections and Enhancements:

The following is a summary of changes incorporated into FeatureCall release.

#### 3.1. Application Corrections

- 3.1.1. Resolved the conditions that create a FirstCall Wizard fault that occurs when the user makes an improper or non-standard format channel entry. (Version 3.55)
- 3.1.2. Provided defensive coding that resolves the problem of "Insufficient memory to complete to request" followed by an error window saying, "stack overflow." (Version 3.56)
- 3.1.3. Fixed the problem of not executing consecutively scheduled TestCase that has several Profiled TestCases in sequence. (Version 3.56)
- 3.1.4. Fixed the problem of scheduled TestCase not running when Unit has a running test set as a background. (Version 3.56)
- 3.1.5. Provided defensive coding that resolves the problem of a kernel crash during the test set creation of FirstCall Wizard on CRS/AM2 S7/S7e unit. (Version 3.56)
- 3.1.6. Fixed the problem of FirstCall Wizard not showing "None" SS7 signaling link option during SS7 link assignment. (Version 3.56)

- 3.1.7. Fixed the problem of the system hanging-up during the downloading of script files, as a background task, when the Unit is running a test set. (Version 3.56)
- 3.1.8. Updated the FeatureCall 3.5 on-line help manual. (Version 3.56)
- 3.1.9. Fixed the problem of not executing or dropping the Telnet session during the execution of scheduled TestCase with profiled events. (Version 3.57a)
- 3.1.10. Fixed the problem of not updating the Gauge engine data correctly during the execution of a TestCase with profiled events such as the sharp transition from a low to a high call completion volume or from a high to a low call completion volume. (Version 3.57a)
- 3.1.11. Fixed and provided defensive coding that resolves the problem of the system hanging-up based on abnormal user selection procedures or from inputting data during the downloading or uploading of script or protocol files. (Version 3.57a)
- 3.1.12. Fixed the bug caused by missing the received Telnet message under certain conditions that cause the status window to incorrectly indicate the status when finishing a running test set. (Version 3.57b)
- 3.1.13. Extended prep line length truncation limit from 70 to 120 characters. (Version 3.58)
- 3.1.14. Added gauge disable during write command operations to avoid data corruption due to gauge data retrieval interaction. (Version 3.58)
- 3.1.15. Fixed the problem with the TestCase Scheduler not executing recurring daily, weekly and monthly schedules. (Version 3.60a/b)
- 3.1.16. Modified the scheduler to properly stop a profiled set, and close the gauge window, when TestCase disconnects from a system at the conclusion of a test sequence. (Version 3.60a/b)
- 3.1.17. Modified the FeatureCall disconnect sequence to send a NX command to the host before closing the socket. (Version 3.60a/b)
- 3.1.18. Modified the statistics logging to get it from failing when more than 10 report codes are selected. (Version 3.60a/b)
- 3.1.19. Corrected the program fault that causes a system crash when the Program Summary is selected on a fully equipped BRI unit. (Version 3.60a/b)
- 3.1.20. Corrected the program fault that causes the Wizard to lock up when connected to a BRI unit. (Version 3.60a/b)
- 3.1.21. Eliminated the source of failures that cause the application to intermittently miss retrieving statistics reports when there are a large number of channels in use. (Version 3.60a/b)
- 3.1.22. Enhanced the TestCase Scheduler to support serially chained units. (Version 3.60a/b)
- 3.1.23. Correct the program faults that cause system lockup when restoring files to a unit on selective PCs. (Version 3.60a/b)
- 3.1.24. Modified the gauge window to accept CODE 1 through CODE 13 instead of exclusively accepting the data register name. Modified the keyword "CODE" to no longer be case sensitive. (Version 3.60a/b)
- 3.1.25. Added the revised Script16.DLL to the installation application. (Version 3.60c)

- 3.1.26. Corrected system fault that randomly occurred when using the “Download to Unit” command for transferring HEX files to the unit using the RS232 port. (Version 3.60c)
- 3.1.27. Revised the column headers in the Report Generator templates to provide a more descriptive naming technique. (Version 3.60c)
- 3.1.28. Corrected the fault in the Gauge Window that improperly interpreted the variable [Time] as an extended report code. Note: This fault occurred in version 3.60a through 3.60d. (Version 3.60c)
- 3.1.29. Corrected the graph code selection window to display the standard codes only once. (Version 3.60d)
- 3.1.30. Added a system warning to notify the user that the requested statistics report cannot be displayed because the data exceeds the maximum window size. (Version 3.60d)
- 3.1.31. Deleted the total and grand total lines for the Summary1.RPT display, printout. (Version 3.60d)
- 3.1.32. Resolved the problem associated with logging data to file in 4.70, or earlier, Host versions. (Version 3.60c)
- 3.1.33. Enhanced the performance and reliability of TrafGen profiler when controlling multiple profiled units in a single test case. (Version 3.61a).
- 3.1.34. Corrected the fill down increment function in FirstCall when connected to the unit via RS232. (Version 3.61a)
- 3.1.35. Provided additional error handling routines for opening invalid data log files. (Version 3.61a)
- 3.1.36. Corrected the gauge data retrieval routines to properly display gauge data when switching between units in a multi-unit system domain. (Version 3.61b)
- 3.1.37. Corrected script compilation failure that occurs on CONFIGO token in AM2-P and CRS-p by updating the Script16.DLL. (version 3.61b)
- 3.1.38. Corrected system fault which cause the application to fail when running consecutive test cases on different system domains and using the extended report codes. (Version 3.61c)
- 3.1.39. Corrected system fault that caused the application to fail when printing from a print preview window in the TestCase Schedule Summary window. (Version 3.61c)
- 3.1.40. Corrected system fault that caused the application to fail when printing from a print preview window in the TestCase Schedule Summary window with a large number of monthly events. (Version 3.61c)
- 3.1.41. Modified Script16.dll to allow the use of a “.” in the VDIGITS fields of IF.MATCH and expanded the VDIGIT character set to include E and F. (Version 3.61c)
- 3.1.42. Modified the model list in the open system widow to support AM300-A, AM300-D and AM300-De. (Version 3.6c)
- 3.1.43. Change database to allow duplicate field entries to avoid error on opening a data file in the report generator. (Version 3.61c)
- 3.1.44. Changed the communication drivers to avoid clearing the message buffer between commands. (Version 3.62b)

- 3.1.45. Resolved the memory corruption that occurs when the system name exceeded 16 characters. Increase the system naming convention to allow 50 characters. (Version 3.62b)
- 3.1.46. Corrected the statistics file logging routine by adding a new error handling routine to report invalid unit names and to resolve any residual memory problems. (Version 3.62b)
- 3.1.47. Corrected memory leaks associated with closing the scheduler. (Version 3.62b)
- 3.1.48. Corrected the upload hex routine to strip leading white space that caused the file system to improperly report the file as corrupted. (Version 3.62b)
- 3.1.49. Corrected the SS7 link assignment window to eliminate case sensitive entries. (Version 3.62b)
- 3.1.50. Corrected the application fault that occurs in the Script Edit/View dialog when the script file is greater than 50 Kbytes. (Version 3.63a)
- 3.1.51. Corrected the flood bar to display to properly indicate completion status when the FirstCall wizard is creating more than 100 call programs. (Version 3.63a)
- 3.1.52. Added checking routing to restrict the number of characters to 8 when entering the unit identity names in the Open System window. (Version 3.63a)
- 3.1.53. Corrected run condition faults in the TestCase application; (1) failure to run the required number of call programs when the numbers are not sequential. Or, (2) failure to profile the second unit in a Test Case when the gauge window is closed. (Version 3.63a)
- 3.1.54. Add the ability to create an error report when the user selects an unit name with an invalid "!". (Version 3.63a)
- 3.1.55. Corrected condition that causes the TestCase application to fault when opening the Create dialog when no systems have been assigned in the Open System window. (Version 3.63a)
- 3.1.56. Corrected the application to properly display the Statistics when the *STATS* button is selected and a TestCase is running. (Version 3.63a)
- 3.1.57. Corrected a fault in the FirstCall wizard that limited the applications ability to create call programs and assign them in a Test Set for BRI units. (Version 3.63a)
- 3.1.58. Updated the checking mechanism of the Graphic server to avoid version conflicts on PCs that have a different version of the graph support files already installed. (Version 3.63a)
- 3.1.59. Corrected faults that cause Floating Point errors when viewing unassigned gauges for extended report pages. (Version 3.63a)
- 3.1.60. Changed the retrieval command for the MMP trace buffer list to conform to the existing TX command. (Version 3.63a)
- 3.1.61. Corrected build that did not include all corrections and enhancements defined in release 3.63a. (Version 3.63b)
  - 3.1.61.1. Script Edit/View correction defined in paragraph 3.1.50
  - 3.1.61.2. TestCase create correction defined in paragraph 3.1.55
  - 3.1.61.3. Statistics correction defined in paragraph 3.1.56
- 3.1.62. Corrected fault in statistics dialog and button status update behavior that resulted in "failed to open" file message. (Version 3.64)

- 3.1.63. Eliminated conditions that resulted in a General Protection Fault (GPF) when repeatedly using the Close application function. (Version 3.64)
  - 3.1.64. Corrected fault condition that prevented the saving of a Gauge Formula when the new formula was based on a subset of an existing formula. (Version 3.64)
  - 3.1.65. Corrected a fault in the gauge window that caused a data retrieval failure when an extended report code was used in the gauge equation but was not selected in the graph display. (Version 3.64)
  - 3.1.66. Corrected a fault in the FirstCall wizard that effects versions 3.63a and 3.63b only that lead to a failure to retrieve the last B-channel assignment form a digital unit. (Version 3.64)
  - 3.1.67. Corrected indexing fault in the trace retrieval routine that lead to valid trace files to be ignored. (Version 3.65)
  - 3.1.68. Corrected failure to close the application after a User aborted close earlier during the document save process. This failure is a by-product of the problem 3.1.66 and occurs in version 3.64a only as an element of the GPF. (Version 3.65)
  - 3.1.69. Disallowed access to the Erase Dialog when a test set is running. (Version 3.70)
  - 3.1.70. Corrected the command for setting the SS7 link assignment routine to transmit the correct 56K or 64K transfer rate selection to the host. (Version 3.71)
  - 3.1.71. Corrected the communication routine to send the Signaling Link assignments every time the transfer rate has been changed. (Version 3.71)
- 3.2. Application Enhancements
- 3.2.1. Replaced the Distinct Telnet Libraries the with a new Ameritec Telnet Library to manage the connection to the host. This enhancement changes the connection map from its current limit of 15 units to 32 units. (Version 3.55)
  - 3.2.2. Added the capability to detect a network trouble such as the power failure of a connected remote unit. (Version 3.55)
  - 3.2.3. Replaced the polling mechanism for retrieving Telnet data with a more conventional mechanism of a message driven notification process. (Version 3.55)
  - 3.2.4. Changed the default value of the Call Attempts and Call Completions in the TestCase creation window to 999999. (Version 3.56)
  - 3.2.5. Updated AWARECC.VBX to be Y2K compliant. Older versions did not recognize Feb. 29, 2000. (Version 3.58)
  - 3.2.6. Changed FTP class error reporting to use Unit Message Box. (Version 3.58)
  - 3.2.7. Replaced Distinct FTP drivers with MFC AsyncSocket class driver to provide Windows 98 compliance. (Version 3.58)
  - 3.2.8. Modified installation to exclude Distinct Telnet and FTP files that are no longer required. (Version 3.58)
  - 3.2.9. Modified the application to support Extended report codes. (Version 3.60a/b)
    - 3.2.9.1. Enhanced the main FeatureCall window to include report page selection. Each unit contained in the system connection map may have as many as 20 extended report pages (one per script).
    - 3.2.9.2. Enhanced the gauge widow to the extended report pages. The extended reports are shown when a unit is selected from the “Unit” section of the

- Control panel and an appropriated Report Page is selected from the “Reports” section of the Control panel.
- 3.2.9.3. Enhanced the data logging to support 64 report codes. The 64 report codes are comprised of 32 standard codes plus up to 32 extended codes. The extended codes can be any valid extended code from any of the 20 extended report pages in a unit.
  - 3.2.9.4. Enhanced the database and report generation templates to support 64 report codes. The allowable report codes any combination of codes, both standard and extended, from any unit in the system connection map.
  - 3.2.9.5. Enhanced the report generator to list only the codes that have been logged.
  - 3.2.9.6. Enhanced the Statistics Report Format window to access the standard report codes and any of the 20 expanded report pages in a unit.
  - 3.2.9.7. Enhanced the Statistics Report Format window to increase the number of columns from 14 to 32.
  - 3.2.9.8. Enhanced the Capture Statistics window to access the standard report codes and any of the 20 expanded report pages in a unit.
  - 3.2.10. Revised the “Available List” of Statistics Codes to include report code title, page number and unit ID. (Version 3.61a)
  - 3.2.11. Revised the PCM Clock Reference to include an External clock source (Audio Monitor/Sync Generator), and span E and span F for SS7 units. (Version 3.61a)
  - 3.2.12. Enhanced the wizard to eliminate the downloading of a protocol of the protocol is resident in the unit. The net effect is a decrease in loading time of 10 seconds to 2 minutes. (Version 3.62b)
  - 3.2.13. Enhanced the data entry-checking mechanism to allow improved flexibility in entry and improved entry error detection. (Version 3.62b)
  - 3.2.14. Improve the response time associated with the Audio Monitor Assignment. (Version 3.63a)
  - 3.2.15. In the PCM Clock Reference Dialog window changed the “External” selection to “External/Audio” to clarify clock source. (Version 3.63a)
  - 3.2.16. Added the ability to launch the MMP GUI application in all modes except Broadcast. When the focus of the unit is changed the MMP GUI is automatically closed. (Version 3.63a)
  - 3.2.17. Change the default path for log files to the FeatureCall directory. (Version 3.63a)
  - 3.2.18. Changed the command timeout from 60 minutes to 20 minutes. (Version 3.64)
  - 3.2.19. Changed the text to clarify save changes query on the trace dialog window when the Manual retrieval was selected after a changing the trace buffer upload selections. (Version 3.65)
  - 3.2.20. Modified the Multimedia GUI to automatically close when the unit focus is changed or the FeatureCall application is closed. (Version 3.65).
  - 3.2.21. Modified the Stop-on-Trouble section of the Run Parameters dialog to add two additional drop boxes to support the varied stop parameters. (Version 3.70)
  - 3.2.22. Added provisions to make FeatureCall compatible with all host versions from 4.50A through 5.00A (Version 3.70)

## **4. New Features**

The following is a summary of the new features incorporated into FeatureCall release

- 4.1. Multimedia Option support (Version 3.62b)
  - 4.1.1. Added new dialog window to configure and retrieve trace data
  - 4.1.2. Added new menu item and icon to launch the Multimedia configuration application
  - 4.1.3. Added new tokens to the Script16.dll to support Multimedia functionality in the FirstCall wizard.
  - 4.1.4. Added new routing to automatically upload and store trace files from the Multimedia DSP.
- 4.2. Software License (Version 3.62b)
  - 4.2.1. Added new dialog window to support the installation and viewing of Host and Application software license keys.
- 4.3. Added new routine to capture and display hardware and software revision number of PC boards in the attached unit. (Version 3.62b)
- 4.4. Added support for Cyclone Host version 5.0 (Version 3.70)

## **5. Technical Support**

If you encounter problems loading the new application software or you require additional technical support please contact:

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