



**DEFENSE INFORMATION SYSTEMS AGENCY**

**JOINT INTEROPERABILITY TEST COMMAND  
FORT HUACHUCA, ARIZONA**



**SOFTWARE VERSION DOCUMENT  
FOR  
AUTOMATED TEST CASE  
GENERATOR  
VERSION 3.6.3.1**



**MAY 2014**



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FOR  
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GENERATOR  
VERSION 3.6.3.1**

**MAY 2014**

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## **EXECUTIVE SUMMARY**

The Automated Test Case Generator (ATC-Gen) web service provides rapid, repeatable, "Pass-Fail" Link-16 conformance testing of Command and Control and other systems, using a library of validated test cases. ATC-Gen applies modeling and simulation methodology to evaluate complex scripted behavior in near real time, using a set of tester selectable test cases. Test cases are derived from Military Standard 6016 or North Atlantic Treaty Organization Standardization Agreement 5516. ATC-Gen utilizes a test harness to stimulate the system under test sensors over an Internet Protocol network using Distributed Interactive Simulation or Test and Training Enabling Architecture sensor simulation data (truth data) and interacts with other Link-16 Units using Link 16 messages over the Standard Interface for Multiple Platform Link Evaluation protocol. ATC-Gen also provides the user with the capability to select effective sample sizes for a test through the zero-failure testing formula given a requirement to demonstrate a degree of reliability at a confidence level of choice within a scientific based methodology. The ATC-Gen web service greatly reduces the cost of testing, while increasing test coverage, by providing an on demand, persistent testing capability for automated certification testing, data collection, and report generation.

This version of ATC-Gen resolves issues from the last release, improves web performance, and improves the user interface.

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## TABLE OF CONTENTS

	Page
EXECUTIVE SUMMARY.....	i
1. SCOPE .....	1
1.1. Identification.....	1
1.2. System Overview .....	1
1.3. Document Overview.....	1
2. REFERENCED DOCUMENTS .....	1
2.1. Government Documents .....	2
2.2. Non-Government Documents .....	2
2.3. Other Documents.....	2
3. VERSION DESCRIPTION .....	3
3.1. Inventory of Materials Released .....	3
3.2. Inventory of Software Contents.....	3
3.3. Changes Installed .....	3
3.4. Adaptation Data .....	5
3.5. Related Documents .....	8
3.6. Installation Instructions .....	8
3.6.1. Other Required Changes.....	8
3.6.2. Security, Privacy, and Safety Precautions .....	8
3.6.3. Determining a Properly Installed Version.....	8
3.6.4. ATC-Gen Help Desk Support .....	8
3.7. Possible Problems and Known Errors.....	8
3.7.1. Web Interface Issues .....	8
APPENDIX A.....	A-1

## LIST OF TABLES

1 Government Documents .....	2
2 Non-Government Documents.....	2
3 Other Documents .....	2
4 Materials Inventory .....	3
5 Software Inventory .....	3
6 Changes Installed.....	3
7 Related Documents.....	8

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## **1. SCOPE**

### **1.1. Identification**

This Software Version Document (SVD) describes the version 3.6.3.1 release of the Automated Test Case Generator (ATC-Gen) system for the Joint Interoperability Test Command.

### **1.2. System Overview**

ATC-Gen is a Link 16 standard conformance test tool. ATC-Gen assesses a system under test (SUT) for Link 16 conformance behavior from Military Standard 6016. ATC-Gen is a web-based application that enables the user to access the application using only a web browser over the network. ATC-Gen provides truth data and Link 16 messages to stimulate behavior by the SUT. At the completion of the test, ATC-Gen provides an immediate pass/fail indication for the test.

ATC-Gen is a software package that runs as a web site on a server computer using the Microsoft Windows Server operating system and Microsoft's Internet Information Services. ATC-Gen communicates with the SUT via an Internet Protocol network. Truth data is sent, and Link 16 messages are sent and received via the network.

The core of ATC-Gen is implemented as a web service. The software suite includes a web interface, which allows the user to interact with the web service capabilities.

ATC-Gen is part of an Agile software development process. As new capabilities are added, tested, and approved, the production version of ATC-Gen will be updated for all users.

This version of ATC-Gen implements new test cases, resolves issues from the last release, improves web performance, and improves the user interface. For the complete list of changes, see section 3.3.

### **1.3. Document Overview**

This SVD describes software included in this release.

## **2. REFERENCED DOCUMENTS**

The following documents of the exact issue shown form a part of this release specification to the extent specified herein. In the event of conflict between the documents referenced herein and the contents of this document, the contents of this document shall be considered a superseding requirement.

## 2.1. Government Documents

Table 1 lists applicable Government documents.

**Table 1. Government Documents**

Number	Title/Description	Revision	Date
IT-SYSDOC-Master-R1C0	Master List for Interoperability Test and Evaluation Capability Documents	R1C0	23 August 2004
DI-IPSC-81442	Data Item Description (Software Version Description)	NA	5 December 1994
IT-SYSDOC-SSS-SP3-R0C4	System/Subsystem Specification for InterTEC	Spiral 3	September 2009
MIL-STD-6016E	Department of Defense Interface Standard Tactical Data Link 16 Message Standard	E	20 July 2012
<b>LEGEND:</b>			
DI	Data Item	NA	Not Applicable
InterTEC	Interoperability Test and Evaluation Capability	SP3	Spiral 3
IPSC	Information Processing Standards for Computers	SSS	System/Subsystem Specification
IT	InterTEC	SYSDOC	System Document
MIL-STD	Military Standard		

## 2.2. Non-Government Documents

Table 2 lists all applicable non-Government documents.

**Table 2. Non-Government Documents**

Number	Title/Description	Revision	Date
RFC 768	User Datagram Protocol	NA	August 1980
RFC 791	Internet Protocol	NA	September 1981
RFC 793	Transmission Control Protocol	NA	September 1981
RFC 1112	Host Extensions for IP Multicasting	NA	August 1989
<b>LEGEND:</b>			
NA	Not Applicable	RFC	Request for Comment

## 2.3. Other Documents

Table 3 lists other applicable documents.

**Table 3. Other Documents**

Number	Title/Description	Revision	Date
STANAG No. 5516	Tactical Data Exchange – Link 16	Edition 6	NA
<b>LEGEND:</b>			
No	Number	STANAG	Standardization Agreement
NA	Not Applicable		

### 3. VERSION DESCRIPTION

#### 3.1. Inventory of Materials Released

Table 4 lists all physical items that make up this version release, including any hardware, physical media (tapes, disks, etc.), and associated documentation required to operate the configuration item.

**Table 4. Materials Inventory**

Item	Description
CD	Compact Disk containing Version 3.6.3.1 of ATC-Gen and other required components.
<b>LEGEND:</b>	
ATC-Gen	Automated Test Case Generator
CD	Compact Disc

#### 3.2. Inventory of Software Contents

Table 5 identifies all software and computer files associated with this release.

**Table 5. Software Inventory**

Item	Description
ATC-Gen	ATC-Gen version 3.6.3.1
ATC-Gen AMO	ATC-Gen AMO ver. 6.1
TENA Middleware	TENA 6.0.3
InterTEC TENA object models	CCFW ver. 11 Windows 7
<b>LEGEND:</b>	
AMO	Application Management Object
ATC-Gen	Automated Test Case Generator
CCFW	Communications Control Framework
InterTEC	Interoperability Test and Evaluation Capability
TENA	Test and Training Enabling Architecture
Ver	Version

#### 3.3. Changes Installed

Table 6 lists all changes incorporated into this version of the software. Changes may be the result of Engineering Change Proposals, changes orders, or other problem reports or change proposals.

**Table 6. Changes Installed**

Release Number	Change Requirement	Description
3.6.3.1	Fixed issue from 3.6.3.0	Fixed environment loaded in Test Case Configuration window
3.6.3.1	Fixed issue from 3.6.3.0	Corrected Activity dropdown menu
3.6.3.1	Fixed issue from 3.6.3.0	Corrected toggled fields in Test Case Configuration window
3.6.3.1	Fixed issue from 3.6.3.0	Corrected Track Configuration dropdown menus in Test Case Configuration window

**Table 7. Changes Installed (continued)**

<b>Release Number</b>	<b>Change Requirement</b>	<b>Description</b>
3.6.3.1	Fixed issue from 3.6.3.0	Added tooltips to Test Case Configuration window fields
3.6.3.1	Fixed issue from 3.6.3.0	Corrected button order in Test Case Configuration window
3.6.3.1	Fixed issue from 3.6.3.0	Corrected IFF field order in Test Case Configuration window
3.6.3.0	JITC Build Backlog	Added ability to produce land tracks and process supporting Link-16 messages
3.6.3.0	JITC Build Backlog	Added IFF Reporting Validation – Automatic Reporting Mode 5 Test Case for Land Environment
3.6.3.0	JITC Build Backlog	Added IFF Reporting Validation – Change to Valid IFF Mode 5 Test Case for Land Environment
3.6.3.0	JITC Build Backlog	Added IFF Reporting Validation – Automatic Reporting , No IFF Data Test Case for Land Environment
3.6.3.0	JITC Build Backlog	Added IFF Reporting Validation – Automatic Reporting, Valid IFF Test Case for Land Environment
3.6.3.0	Fixed issue from 3.6.2.3	Implemented code to fix Altitude field holding a value for a non-Air track
3.6.3.0	Fixed issue from 3.6.2.3	Fixed Server time displaying as a link/selectable item
3.6.3.0	Fixed issue from 3.6.2.3	Fixed filtering for multiple instances of a notification message
3.6.2.3	Fixed issue from 3.6.2.2	Fixed issue where ATC-Gen would only create one track during test execution when multiple tracks were needed
3.6.2.2	Fixed issue from 3.6.2.1	Fixed issue where the upgrade to TENA 6.0.3 caused test execution to fail
3.6.2.1	Fixed issue from 3.6.2.0	Fixed View User Manual and Download PDF links
3.6.2.1	Fixed issue from 3.6.2.0	Fixed Javascript error on Help page
3.6.2.1	Fixed issue from 3.6.2.0	Fixed issue where Test Queue could not clear
3.6.2.1	Fixed issue from 3.6.2.0	Fixed Scrolling Message Display to only show current Mil-Std references
3.6.2.1	Fixed issue from 3.6.2.0	Modified Stop button to grey out during a running test
3.6.2.1	Fixed issue from 3.6.2.0	Added units to generated report format
3.6.2.1	Fixed issue from 3.6.2.0	Fixed issue where ATC-Gen could not generate reports from previous database versions
3.6.2.0	JITC Build Backlog	Added error handling for receiving nulls from the database
3.6.2.0	JITC Build Backlog	Added summary and overview sections to the generated report format
3.6.2.0	JITC Build Backlog	Added Expand All and Collapse All buttons to the Test Execution page
3.6.2.0	JITC Build Backlog	Added settings summary to Test Execution page
3.6.2.0	JITC Build Backlog	Changed title of Running page to Test Execution
3.6.2.0	JITC Build Backlog	Removed Create, Delete and Close buttons on Link-16 Configuration and Truth Protocol windows and added Connect and Disconnect buttons
3.6.2.0	JITC Build Backlog	Changed Create and Delete buttons on ATC-Gen Configuration window to OK and Apply
3.6.2.0	JITC Build Backlog	Added Start All and Stop All buttons to Protocols page
3.6.2.0	JITC Build Backlog	Removed Offset field from ATC-Gen Configuration window
3.6.2.0	Fixed issue from 3.6.1.2	Fixed issue where the Execution page flickers during a test
3.6.2.0	Fixed issue from 3.6.1.2	Removed incorrect time stamp from Test History
3.6.2.0	Fixed issue from 3.6.1.2	Fixed test duration start time
3.6.2.0	Fixed issue from 3.6.1.2	Removed expansion icon from PPLI test case in the test status window
3.6.2.0	Fixed issue from 3.6.1.2	Fixed issue where selecting and highlighting a row whited out the text
3.6.2.0	Fixed issue from 3.6.1.2	Fixed expanded history for PPLI test case
3.6.1.2	Fixed issue from 3.6.1.1	Fixed issue with Test Case Default Configuration not loading
3.6.1.2	Fixed issue from 3.6.1.1	Increased User List window size
3.6.1.2	Fixed issue from 3.6.1.1	Fixed issue where selecting Add New Test created a blank test case line
3.6.1.2	Fixed issue from 3.6.1.1	Fixed Total and Approved User counts in the User Management capability
3.6.1.2	Fixed issue from 3.6.1.1	Fixed Test Case Configuration dropdown menus
3.6.1.2	Fixed issue from 3.6.1.1	Removed pagination from History
3.6.1.2	Fixed issue from 3.6.1.1	Fixed roll up information in the Scrolling Test Display
3.6.1.2	Fixed issue from 3.6.1.1	Fixed column resizing in the Scrolling Test Display

**Table 8. Changes Installed (continued)**

<b>Release Number</b>	<b>Change Requirement</b>	<b>Description</b>
3.6.1.2	Fixed issue from 3.6.1.1	Added SUT track number to the manual change notification
3.6.1.2	Fixed issue from 3.6.1.1	Fixed issue with Air Speed Window Test not executing
3.6.1.2	Fixed issue from 3.6.1.1	Fixed issue with Air Position Window Test not executing
3.6.1.2	Fixed issue from 3.6.1.1	Fixed Test Queue Summary pane date, time, duration and tree functions
3.6.1.2	Fixed issue from 3.6.1.1	Fixed Test Queue Summary pane scrolling and resizing
3.6.1.2	Fixed issue from 3.6.1.1	Fixed issue where object that contains Test Case status does not go away on user log out
3.6.1.2	Fixed issue from 3.6.1.1	Fixed history pass/fail counts for test sets with multiple test cases
3.6.1.1	Fixed issue from 3.6.1.0	Fixed issue that prevented test cases from running
3.6.1.0	JITC Build Backlog	Implemented enforcement of password requirements
3.6.1.0	JITC Build Backlog	Added Administrator capability to monitor TENA Execution Manager status
3.6.1.0	JITC Build Backlog	Added User capability to reset password using security question and answer
3.6.1.0	JITC Build Backlog	Added User Account Management to change password
3.6.1.0	JITC Build Backlog	Added User Account Management to change security question and answer
3.6.1.0	JITC Build Backlog	Added Administrator capability to set Server Variables
3.6.1.0	JITC Build Backlog	Added PPLI Test
3.6.1.0	JITC Build Backlog	Added ID Conflict Correlation Inhibit Test with Hostile Transitions
3.6.1.0	JITC Build Backlog	Added ID Conflict Correlation Inhibit Test with Suspect Transitions
3.6.1.0	JITC Build Backlog	Added ID Conflict Correlation Inhibit Test with Neutral Transitions.
3.6.1.0	JITC Build Backlog	Added ID Conflict Correlation Inhibit Test with Friend Transitions
3.6.1.0	JITC Build Backlog	Added Strength Correlation Inhibit Test
3.6.1.0	JITC Build Backlog	Added Mode II Correlation Inhibit Test
3.6.1.0	JITC Build Backlog	Added Administrator capability for Configuration Management
3.6.1.0	JITC Build Backlog	Added Administrator capability for User Management
3.6.1.0	JITC Build Backlog	Set all time stamps to record in Zulu time
3.6.1.0	JITC Build Backlog	Server time in Zulu on all screens
3.6.1.0	JITC Build Backlog	Fixed timing issue in "Expect Correlate" test cases
3.6.1.0	JITC Build Backlog	Added Surface Course Window Test
3.6.1.0	JITC Build Backlog	Added Surface Speed Window Test
3.6.1.0	JITC Build Backlog	Added Surface Position Window Test
3.6.0.4	JITC Build Backlog	Added capability to drop tracks when Stop button is pressed.
3.6.0.4	JITC Build Backlog	Added user-selectable number of lines to Output display.
3.6.0.3	Fixed issue from 3.6.0.2	Fixed Issue where PPLI would be loaded with bad data.
3.6.0.3	Fixed issue from 3.6.0.2	Fixed Styling on Modal Windows.
3.6.0.3	JITC Build Backlog	Modified the rate Truth data is output to one second.
3.6.0.2	Fixed issue from 3.6.0.1	Fixed issue where PPLI is always Air Environment, regardless of selection.
3.6.0.2	Fixed issue from 3.6.0.1	Fixed issue where interface rejects non-zero Identification Friend or Foe mode codes.
3.6.0.2	Fixed issue from 3.6.0.1	Fixed issue where navigation off and back to the Running page caused the test case to restart the test set.
3.6.0.2	Fixed issue from 3.6.0.1	Fixed issue where ATC-Gen would take tracks "In Common" unexpectedly.
3.6.0.2	JITC Build Backlog	Added capability for Protocol Configurations to reflect saved data.
3.6.0.2	JITC Build Backlog	Fixed issue where ATC-Gen Link-16 Track Number Assignment reuses TNs before exhausting initial Track block
3.6.0.2	JITC Build Backlog	Position Window Test.
3.6.0.2	JITC Build Backlog	Course Window Test.
3.6.0.2	JITC Build Backlog	Speed Window Test.
3.6.0.2	JITC Build Backlog	Added button to generate basic report.
3.6.0.2	JITC Build Backlog	Modified screens to ensure that visible buttons reflect available behavior.
3.6.0.1	Fixed issue from 3.6.0.0	Fixed Database Issues
3.6.0.1	JITC Build Backlog	Added capability to Delete Configurations.
3.6.0.1	JITC Build Backlog	Added capability to run a Test Event from one button.
3.6.0.1	JITC Build Backlog	Implement capability to support Test Case Specific Parameters

**Table 9. Changes Installed (continued)**

Release Number	Change Requirement	Description
3.6.0.0	JITC Build Backlog	Altitude Window Test
3.6.0.0	JITC Build Backlog	Released New Web Interface.
3.6.0.0	JITC Build Backlog	Added capability to generate track data for test sets.
3.6.0.0	JITC Build Backlog	Implemented Initial Persistent PPLI capability.
3.6.0.0	JITC Build Backlog	Implemented a Web Service Function to create test sets.
3.6.0.0	JITC Build Backlog	Implemented Database Connections to new Web Interface.
3.6.0.0	JITC Build Backlog	Insert random variables into various fields
3.6.0.0	JITC Build Backlog	Implemented a capability to use Design of Experiments parameters to generate number of tests to run.
3.6.0.0	JITC Build Backlog	Implement method for code to use received data for tracks
3.5.3.13	Fixed issue from 3.5.3.11(p1)	Solved SIMPLE hang when deleting the protocol. System now waits for a fixed length of time for the protocol to properly shutdown. If it does not shut down cleanly, it is deleted.
3.5.3.13	Fixed issue from 3.5.3.11(p1)	Fixed issues with several test cases.
3.5.3.13	Fixed issue from 3.5.3.11(p1)	Improved internal cleanup of application on sign out.
3.5.3.13	Fixed issue from 3.5.3.12	Fixed issue where the report button was not reliably displaying.
3.5.3.13	Fixed issue 3.5.3.12	Fixed issue discovered where creating new user was not creating the correct directories for the user.
3.5.3.13	Fixed issue from 3.5.3.12	Increased timeout value for TENA
3.5.3.12	JITC Build Backlog	Added basic reporting capability.
3.5.3.11 (p1)	Fixed issue from version 3.5.3.11	Fixed issue where Latitude and Longitude Minutes were not loading correctly.
3.5.3.11 (p1)	Fixed issue from version 3.5.3.11	Fixed issue where TENA Platform State had incorrect Orientation values, and no Truth data was being output.
3.5.3.11	JITC Build Backlog	Implemented capability to prevent user from incorrectly destroying Protocols.
3.5.3.11	JITC Build Backlog	Implemented capability to disable Save XML button when tracks were not saved
3.5.3.11	JITC Build Backlog	Implemented capability to disable Test Case Configuration buttons when no test case was selected
3.5.3.11	JITC Build Backlog	Fixed issue where system could destroy part of a test case, but not all, leaving the system in an unstable state.
3.5.3.11	JITC Build Backlog	Implemented validation of Latitude, Longitude, Course, and Speed.
3.5.3.11	JITC Build Backlog	Implemented capability to enter Latitude and Longitude in Degree-Minute-Second format.
3.5.3.11	JITC Build Backlog	Implemented validation for Altitude based on Environment (Air, Surface)
3.5.3.11	JITC Build Backlog	Fixed issue where data entered into the Track Location Configuration would be lost if the user attempted to modify tables after entering data.
3.5.3.11	JITC Build Backlog	Implemented Service-Oriented-Architecture compliant output model, which inputs output into a database.
3.5.3.11	JITC Build Backlog	Implemented Test Case A_ID_Sur_DiffSingle.
3.5.3.11	JITC Build Backlog	Implemented Test Case A_IFF_Sur_Clear.
3.5.3.11	JITC Build Backlog	Implemented Test Case A_IFF_Sur_DiffSingle.
3.5.3.10	Fixed issue from version 3.5.3.9	Fixed issue with ID value sent in A_ID_Air_DiffSingle J7.0 management message.
3.5.3.10	Fixed issue from version 3.5.3.9	Fixed issue where Test cases A_Corr_Air_RemoteTNDrop and A_Corr_Air_LocalTNDrop always fail.
3.5.3.9	JITC Build Backlog	Implemented Test Case A_ID_Air_DiffSingle.
3.5.3.9	JITC Build Backlog	Implemented Test Case A_IFF_Air_DiffSingle.
3.5.3.9	JITC Build Backlog	In database implemented Test Result Tables.
3.5.3.9	JITC Build Backlog	Resolved Web interface delay.
3.5.3.9	JITC Build Backlog	Implemented Test Case A_Corr_Air_LocalTNDrop.
3.5.3.9	JITC Build Backlog	Implemented Test Case A_Corr_Air_Inh_TQ.
3.5.3.9	JITC Build Backlog	Implemented Test Case A_Corr_Air_Alt.
3.5.3.9	JITC Build Backlog	Implemented Test Case A_IFF_Air_Clear.
3.5.3.9	JITC Build Backlog	Implemented Test Case A_Corr_Sur_Decorr.
3.5.3.9	JITC Build Backlog	Implemented heartbeat to keep session alive.
3.5.3.9	JITC Build Backlog	Implemented Test Case A_Corr_Air_Inh_Mode2.
3.5.3.9	JITC Build Backlog	In database implemented Configuration Tables.

**Table 10. Changes Installed (continued)**

Release Number	Change Requirement	Description	
3.5.3.9	Support of Multiple TENA environments	Modified ATC-Gen to support multiple versions of TENA via a simple recompiling of the software.	
3.5.3.9	JITC Build Backlog	Implemented Test Case A_Corr_Air_PPLI.	
3.5.3.9	JITC Build Backlog	Implemented Test Case A_Corr_Sur_Inh_IDConfl.	
3.5.3.9	JITC Build Backlog	Implemented Test Case A_Corr_Sur_PPLI.	
3.5.3.9	JITC Build Backlog	Implemented Test Case A_TM_Air_TNInUse.	
3.5.3.9	InterTEC Requirement	Improved the TENA user configuration interface.	
3.5.3.9	Fixed issue from version 3.5.3.7	Fixed Mode 1 encoding issue in J3.2, J3.3 and J7.5 messages.	
3.5.3.9	Fixed issue from version 3.5.3.7	Fixed track matching function that only attempts internal correlation on first reception of track.	
3.5.3.9	Fixed issue from version 3.5.3.7	A_RR_Air_Basic now resets correctly on stop.	
3.5.3.9	Fixed existing issue found during development since version 3.5.3.7	ATC-Gen crashes if user attempts to sign out without stopping the test case.	
3.5.3.9	Fixed existing issue found during development since version 3.5.3.7	ATC-Gen unable to print outgoing track numbers in test case Condition Checker models.	
3.5.3.9	Fixed existing issue found during development since version 3.5.3.7	Placeholder models unable to couple to Primitive models in the XML test cases and vice-versa.	
3.5.3.9	Fixed existing issue found during development since version 3.5.3.7	SIMPLE activity was assigning the identity "unidentified" to tracks that did not match internally.	
3.5.3.9	Fixed existing issue found during development since version 3.5.3.7	SIMPLE track number assignment capability was failing to mark remote track numbers as "In Use".	
3.5.3.9	Fixed existing issue found during development since version 3.5.3.7	SIMPLE track number assignment capability was failing to unregister remote tracks on drop.	
3.5.3.9	Fixed existing issue found during development since version 3.5.3.7	Multiple Condition Checker files were using the wrong condition.	
3.5.3.9	Fixed existing issue found during development since version 3.5.3.7	Multiple Condition Checker files were using stacks instead of queues to output conditions.	
<b>LEGEND:</b>			
ATC-Gen	Automated Test Case Generator	PPLI	Precise Participant Location
InterTEC	Interoperability Test and Evaluation Capability	Informaiton	
ID	Identity	SIMPLE	Standard Interface for Multiple Link Evaluation
JITC	Joint Interoperability Test Command	Platform	
		SUT	System Under Test
		TENA	Test and Training Enabling
		Architecture	
		XML	Extensible Markup Language

### 3.4. Adaptation Data

To ensure the correct operation of ATC-Gen, the following are recommendations concerning hardware and software being used by the SUT and/or test operator:

- ATC-Gen requires that, if the SUT employs a Gateway Terminal Emulator (GTE), operators should ensure that Time Slot Allocation is turned off.
- The GTE should be set up to avoid introducing unnecessary positional error for the tracks. ATC-Gen needs to be able to match the tracks returned from the SUT with its internal tracks.
- System requirements for running ATC-Gen Web Interface:
  - The client computer requires a web browser equivalent to Mozilla Firefox 19 or above, or Internet Explorer 9 or above.
  - The client computer must be able to connect to the test network on which the ATC-Gen web service is hosted.

### 3.5. Related Documents

Table 7 contains all documents that are pertinent to this release, but are not included in the release package.

**Table 11. Related Documents**

Number	Title/Description	Revision	Date
V 3.6.2.4	ATC-Gen Web-Service Admin Guide	0	February 2014
V 3.6.1.2	ATC-Gen Web-Service User Guide	0	April 2014
1.0	Software Description Document	1	August 2012
<b>LEGEND:</b>			
ATC-Gen	Automated Test Case Generator	V	version

### 3.6. Installation Instructions

A separate administration manual will describe the installation process.

#### 3.6.1. Other Required Changes

None.

#### 3.6.2. Security, Privacy, and Safety Precautions

Depending on the classification of the test, a user's normal security procedures should be followed for any data or report files.

#### 3.6.3. Determining a Properly Installed Version

A properly installed version loads in the user's web browser upon entering the correct Uniform Resource Locator and will display the latest configuration version upon loading.

#### 3.6.4. ATC-Gen Help Desk Support

- Web site: <http://jitc.fhu.disa.mil/cgi/atcgen/index.aspx>
- E-mail: [disa.huachuca.jitc.list.atc-genhelp@mail.mil](mailto:disa.huachuca.jitc.list.atc-genhelp@mail.mil)
- Phone number: (520) 538-5301

### 3.7. Possible Problems and Known Errors

#### 3.7.1. Web Interface Issues

- The user manual may not display with screenshots in Mozilla Firefox browsers.
- Currently, Error Messages are generic. This will be changed in future versions.

- Only the Precise Location Participant Information (PPLI) Test Case requires Test Case Specific Parameters. As such, clicking the Test Case Specific Parameter button with any other Test Case selected will bring up a blank screen. In order to leave the screen, press the “Load” button.
- Occasionally, the ATC-Gen PPLI will fail to stop reporting at the end of a test set. If this occurs, press the stop button to complete the test.
- The Test Sets given are designed to run with ATC-Gen configured with a higher track block.
- When configuring Standard Interface for Multiple Platform Link Evaluation Link-16 protocol, ensure that the track block holds sufficient numbers for testing that day. ATC-Gen currently does not reuse track blocks.

## **APPENDIX A**

### **ACRONYMS**

ATC-Gen	Automated Test Case Generator
DIS	Distributed Interactive Simulation
GTE	Gateway Terminal Emulator
IFF	Identity Friend or Foe
SUT	System Under Test
SVD	Software Version Document
TENA	Test and Training Enabling Architecture