Software Version Description for FACE Conformance Test Suite

Revision M, 2/4/2019

GTRI Document No. CTSD75666181-002

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| **Prepared for:**  US Army Program Executive Office (PEO), Aviation  US Army Aviation & Missile Research Development  & Engineering Center (AMRDEC)  NAVAIR PMA209 | **Prepared by:**  Electronic Systems Laboratory  Georgia Tech Research Institut**e** |



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| REVISION | DATE | COMMENTS |
| A | 1/31/2018 | Initial release |
| B | 4/19/2018 | Revised for updates to CTS 3.0 to fix various issues with gold standard libraries/OSS tests |
| C | 5/23/2018 | Revised for updates to CTS 3.0 (v3.0.0r3) to address various requests and issues described in the Version Updates. |
| D | 6/28/2018 | Revised for updates to CTS 3.0 (v3.0.0r5) to address various requests and issues described in the Version Updates. Updated unique identifier for this document for new CTS document numbering scheme. |
| E | 8/13/2018 | Revised for updates to CTS 3.0 (v3.0.0r5) to address various requests and issues described in the Version Updates. |
| F | 8/17/2018 | Revised for updates to CTS 3.0 (v3.0.0r5.1) |
| G | 9/28/2018 | Revised for updates to CTS 3.0 (v3.0.0r6) |
| H | 11/15/2018 | Revised for updates to CTS 3.0 (v3.0.0r7) |
| I | 11/15/2018 | Added listing of source code archive that is delivered with this version |
| J | 12/12/2018 | Revised for updates to CTS 3.0 (v3.0.0r7.1) |
| K | 1/18/2019 | Revised for updates to CTS 3.0 (v3.0.0RC1) |
| L | 1/29/2019 | Revised for updates to CTS 3.0 (v3.0.0RC2) |
| M | 2/4/2019 | Revised for updates to CTS 3.0 (v3.0.0)  Approved by consortium for public use |

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# Purpose

The purpose of this document is to identify the version information for Conformance Test Suite (CTS), assumptions made for this release, the included features, and specifically excluded features.

This document does not describe the installation, use, or trouble-shooting of the CTS software. For this information please refer to the accompanying User Manual.

# Identification of Version

The version information for this release is as follows. The Repository, Commit, and Branch information are relevant only within the GTRI source code management system.

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| --- | --- |
| **Version number:** | 3.0.0 |
| **Project:** | FACE |
| **Repository:** | ConformanceTestSuite |
| **Branch:** | Release/3.0.0 |
| **Commit:** | [60f1e877841](https://atlassian.elsys.gtri.org/stash/projects/FAC/repos/conformancetestsuite/commits/60f1e8778413a58a16cf66c03e7aa373e587bb05) |
| **Location in MKS:** | ELSYS/PRODUCTS/Open\_Arch\_Prod/FACE/FACE\_TASKS/ Conformance\_Test\_Suite/CTS\_3\_0\_0/rel/rel.pj  See the table below for the location of the files within this project. |
| **Filename in MKS:** | FACEConformanceTestSuite\_3\_0\_0\_source.zip |

# Inventory of Materials Released

The following items are released with this version and contains the released product contents. All materials released are unclassified. The Subproject column denotes the subproject(s) in MKS relative to the Location in MKS of the release as described above.

| **Title or Filename** | **Format** | **Description** | **Subproject** |
| --- | --- | --- | --- |
| FACEConformanceTestSuite\_3.0.0\_Linux.tgz | Compressed TGZ archive | CTS for FACE 3.0 End-User Distribution (CENTOS/RHEL 7) | Linux.pj |
| linuxPrerequisites.tgz | Compressed archive | Selected Linux prerequisites | Linux.pj |
| FACEConformanceTestSuite\_3.0.0.exe.zip | Compressed Zip of Windows executable | CTS for FACE 3.0 End-User Distribution (Windows 10) | Windows\  Image.pj |
| ExtInstallers.zip | Compressed ZIP archive | Windows prerequisites | Windows\  ExtInstallers.pj |
| Software Version Description for CTS  for FACE 3.0.docx | Microsoft Word | This document | Docs |
| Developer Guide Documentation.docx | Microsoft Word | Developer’s Guide | Docs |
| UserManual.pdf | PDF | User Manual | Docs |
| FACEConformanceTestSuite\_3\_0\_0\_source.zip | Compressed ZIP archive | Source code | N/A (in root project) |

# Version Updates

This release contains the following changes:  
1. Updated version number to 3.0.0 and updated the marking on outputs to say "The FACE Consortium has approved results from this release for certifying software components as FACE Conformant" now that the FACE™ Conformance Test Suite, Edition 3.0.0, has been approved for official use in the FACE Conformance Program.

# Version of the FACE Standard

This software is developed based on the FACE Technical Standard, Edition 3.0.

# Included Features in Release

For this release, the CTS supports testing of Units of Conformance (UoCs)/Units of Portability (UoPs) for all segments of the FACE architecture for the C, C++, Ada, and Java languages.

# Referenced Documents

The documents listed in this section are referenced or used as sources for the information contained in this document.

1. The Open Group, Technical Standard for Future Airborne Capability Environment (FACE™), Edition 3.0

# Definitions

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| |  |  | | --- | --- | | AMRDEC  CTS  DMVT  DIG | Aviation & Missile Research Development & Engineering Center  Conformance Test Suite  Data Model Validation Tool  Data Model to IDL Generator | | FACE  GTRI | Future Airborne Capability Environment  Georgia Tech Research Institute | | GSL | Gold Standard Library | | OCL | Object Constraint Language | | OSS | Operating System Segment | | PEO  PTR  UoC  UoP | Program Executive Office  Problem/Trouble Report  Units of Conformance  Units of Portability | |  |  | |  |
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