

Software Version Description (SVD)
for
C2PC ICSF Interface Layer (CIIL)
Version 2.3.0.3

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Version 1.1

Prepared for:

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PEO-IT & C4I

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1. SYSTEM OVERVIEW

CIIL is a middleware solution that exposes the ICSF 452X JM, JMV, TMS and TMSV API sets from a C2PC 6.0.2 injector. This solution enables NT COE segments developed against the ICSF 452X APIs to run in a non-COE, non-ICSF environment. When installed on C2PC, various ICSF and installed segment menus will be interleaved with the C2PC menus. A user account that does not run AFW can be configured in the NT COE environment to aid performance. This will prevent some of the ICSF processes from running.

2. REFERENCED DOCUMENTS

1. CIIL FAQ located on the CDROM.
2. CIIL 2.2.0.0 SVD.
3. CIIL 2.3.0.0 SVD.
4. CIIL 2.3.0.1 SVD.
5. CIIL 2.3.0.2 SVD.

3. VERSION DESCRIPTION

3.1 Inventory of Materials Released

Magnetic media. CIIL Version 2.3.0.3 is released on a CD-ROM intended for the Intel PC hardware environment. The installation of CIIL Version 2.3.0.3 is packaged as a standard Microsoft MSI installation as well as a NTCOE Segment. The CIIL Version 2.3.0.3 CD supports installation of CIIL Version 2.3.0.3 on the Windows 2000 operating systems and COE Kernel 4.2.0.9 or higher and ICSF 4520P7 or higher.

Installation CD Contents

MSI Windows Installation Files:

1. Autorun.inf – instructions for which program to automatically start after the CD has been inserted in the CDROM drive (assuming the computer is configured to autorun CDs).
2. Data1.cab – archive file containing the source files for installation.
3. C2PC ICSF Interface Layer.msi – Microsoft Windows installer configuration file.
4. Setup.exe – File that launches the Microsoft Windows Installer based installation.

5. CIIL Installshield Install Instructions. PDF.
6. CIIL NT COE Install Instructions. PDF
7. CIIL.pdf – boiler plate text for user guide use.
8. CIIL FAQ.pdf – useful information on CILL.
9. CIIL_2_2_0_0.pdf – 2.2.0.0 SVD – software version description.
10. CIIL_2_3_0_0.pdf – 2.3.0.0 SVD
11. CIIL_2_3_0_1.pdf – 2.3.0.1 SVD
12. CIIL_2_3_0_2.pdf – 2.3.0.2 SVD
13. CIIL_2_3_0_3.pdf – 2.3.0.3 SVD

NTCOE Segment files:

1. CIIL#COTS#2.3.0.3#PC.001
2. DIIHeader
3. Distrib
4. TOC.01

3.2 Possible Problems and Known Errors

The following items are known issues with C2PC 6.0.0.0/ICSF and have been identified to the developers for resolution:

1. MGRS conversions are unable to convert positions containing 90 deg N/S. This results in C2PC crashing when a track with this position enters the system and is selected by the user.
2. ICSF CME TDAs Quick CPA and Quick Intercept produce incorrect results.

3.3 Changes and Corrections since 2.3.0.2

1. Upgrade to jSegue 1.3.0.7, CJB 1.0.0.8

2. Fixed `JmMilPolygon updateModel` so that the `Jm` vertex model is correctly re-ordered after the user updates the points on the map with animation.
3. Fixed a problem with `JmTacSymbol` and its custom colors property. When Custom colors are used the foreground and background properties were swapped in their C2PC mappings. Also, the default foreground color has been set to match ICSF.
4. For any CIIL injector using `InjectorBridge` we synthesize a projection change event when the in-place frame is notified that it must re-layout its toolbars (ie. the C2PC frame is resized). This keeps the in-proc projection state in sync with C2PC when the frame is resized. This only works for injectors, non-injectors are not notified when the C2PC frame is resized.
5. Added test code showing how to attach a C2PC context menu to a `JmTacSymbol`.

4. NOTES

1. You must rename the initial map that comes up with C2PC to “System.”. This map **MUST** be open when the FOTC injector is started.
2. CIIL is unable produce certain key binds for ICSF segments directly. In order to enable this functionality, user the following alternative key strokes as indicated:
 - Control Left Click – hold down the `c` key and left click
 - Shift Left Click – hold down the `s` key and left click
 - Double Left Click – hold down the `d` key and left click
3. The CIIL injector activation is **NOT** complete until the “start” button that appears at the top of the CIIL injector pane is pressed.
4. You must start Trackplot and connect to the C2PC Gateway prior to starting the CIIL injector.
5. When using an ICSF segment that displays images on C2PC, the image is not auto-activated; you must go to the C2PC map manager and “activate” the image to cause it to be displayed.
6. You can run CIIL as a non-Administrator user, but you cannot change the menus to the “Test Menu Filter” or reset them to the “Release Menu Filter” unless you are running CIIL with an account with 'Administrator' privileges.