

Software Version Description (SVD)
For
C2PC ICSF Interface Layer (CIIL)
Version 2.2.0.0

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Version 1.0

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 injector. This solution enables NT COE segments developed against the ICSF 452X APIs to run in a non-COE, non-ICSF environment. As a middle ware solution, CIIL provides no specific user interface. 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

CIIL FAQ located on the CDROM.

3. VERSION DESCRIPTION

3.1 Inventory of Materials Released

Magnetic media. CIIL Version 2.2.0.0 will be released on a CD-ROM intended for the Intel PC hardware environment. The installation of CIIL Version 2.2.0.0 is packaged as a standard Microsoft MSI installation as well as a NTCOE Segment. The CIIL Version 2.2.0.0 CD supports installation of CIIL Version 2.2.0.0 on the Windows NT 4.0 or Windows 2000 operating systems and COE Kernal 4.2.0.9 or higher and ICSF 4520P6 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 Installation Instructions.doc.
6. CIIL.doc – boiler plate text for user guide use.
7. CIIL FAQ.doc – useful information on CILL.

8. CIIL SVD – software version description document.

NTCOE Segment files:

1. CIIL#COTS#2.2.0.0#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 is 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. Image interface in C2PCGraphics.dll can cause a deadlock situation and or a C2PC crash. The crashes are random and sometimes frequent.
3. Polyline animation exposes a C2PCGraphics bug that will crash the system. JTT uses this animation in its overlays program.
4. ICSF has a random crash when exercising the Track History TDA.
5. ICSF CME TDAs Quick CPA and Quick Intercept produce incorrect results.

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 FOTC injector activation is NOT complete until the “start” button that appears at the top of the FOTC injector pane is pressed.
4. You must start Trackplot and connect to the C2PC Gateway prior to starting the FOTC 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. Two versions of IRMInjectorBridge.properties are provided. One is the normal runtime version, named IRMInjectorBridge.Release.properties. The other displays all the ICSF TDA menu items and is named IRMInjectorBridge.FIOP_Testing.properties. Simply make a copy of the desired file, delete the current IRMInjectorBridge.properties file and then rename the copied file.