



***Frequently Asked Questions***

**FM3TR Waveform Reference Implementation**

**SDR Forum Contract**

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## **1 Introduction**

This document provides answers to the most commonly faced installation and execution problems.

## **2 Questions**

### ***2.1 I get an error when I try to run the Naming Service***

Use Windows netstat utility to check whether port 1050 is being used by another application. If so, shut down that application.

### ***2.2 The Pentium Device cannot find the Domain Manager in the Naming Service***

Make sure that the Domain Manager is up and running by using the Component Inspector. You should be able to see the Domain Manager in the Component Inspector's list of components. If the Domain Manager is not there, try to shut down and restart Domain Manager. If the problem persists, delete the ApplicationFactory.conf file in SCARI-Open/demosources/Node1/profile and try again.

### ***2.3 When the Pentium Device starts, it doesn't connect to the Event Channel***

Pentim Device's connection to the Event Channel is optional. In order to enable this connection, make the necessary changes in the Node1 DCD file as described in the Design Considerations document.

Also, make sure that the Pentium Device XML files and the pentium\_device\_bootstrap.exe file are copied into the scari-Open/demosources/Node1/profile directory.

### ***2.4 When I try to install a waveform, the Core Framework complains that it cannot remove the files***

This problem happens when the dll files are being used by another application. Make sure all instances of the waveform are shut down, and the dll files are not in use. If the problem persists, open the Windows Task Manager and shut down the "java.exe" processes.

**2.5 The Core Framework cannot find the XML files during application installation**

Check the contents of the jar file and include the missing files if necessary.

**2.6 The Core Framework cannot find the waveform component dll files during application installation**

Check the contents of the jar file and include the missing files if necessary.

**2.7 I cannot see any waveforms in the Application Manager menu**

Make sure that the applications are installed from the Application Manager's File menu using the jar files.

**2.8 When I try to create an application, I get a "No device matches to launch the component" error message**

Make sure that the Pentium Device XML files and the pentium\_device\_bootstrap.exe file are copied into the scari-Open/demosources/Node1/profile directory.

**2.9 I don't hear anything when I run the audio waveform**

Make sure that a sound card is installed and the volume is on.  
Make sure you clicked Start on the Application Manager screen.

**2.10 The output file size is 0 or the file has errors when I run the data waveform**

Make sure you stopped the waveform before checking the output file.

If MCS\_VERBOSE is undefined in the source code, turn it back on to be able to view the debug messages. Also make sure no other applications are running, as the data waveform requires significant processing power and might lose synchronization if other processes are running in the system. To prevent this, you can also raise the priority of the waveform component processes from the Windows Task Manager after creating the application.