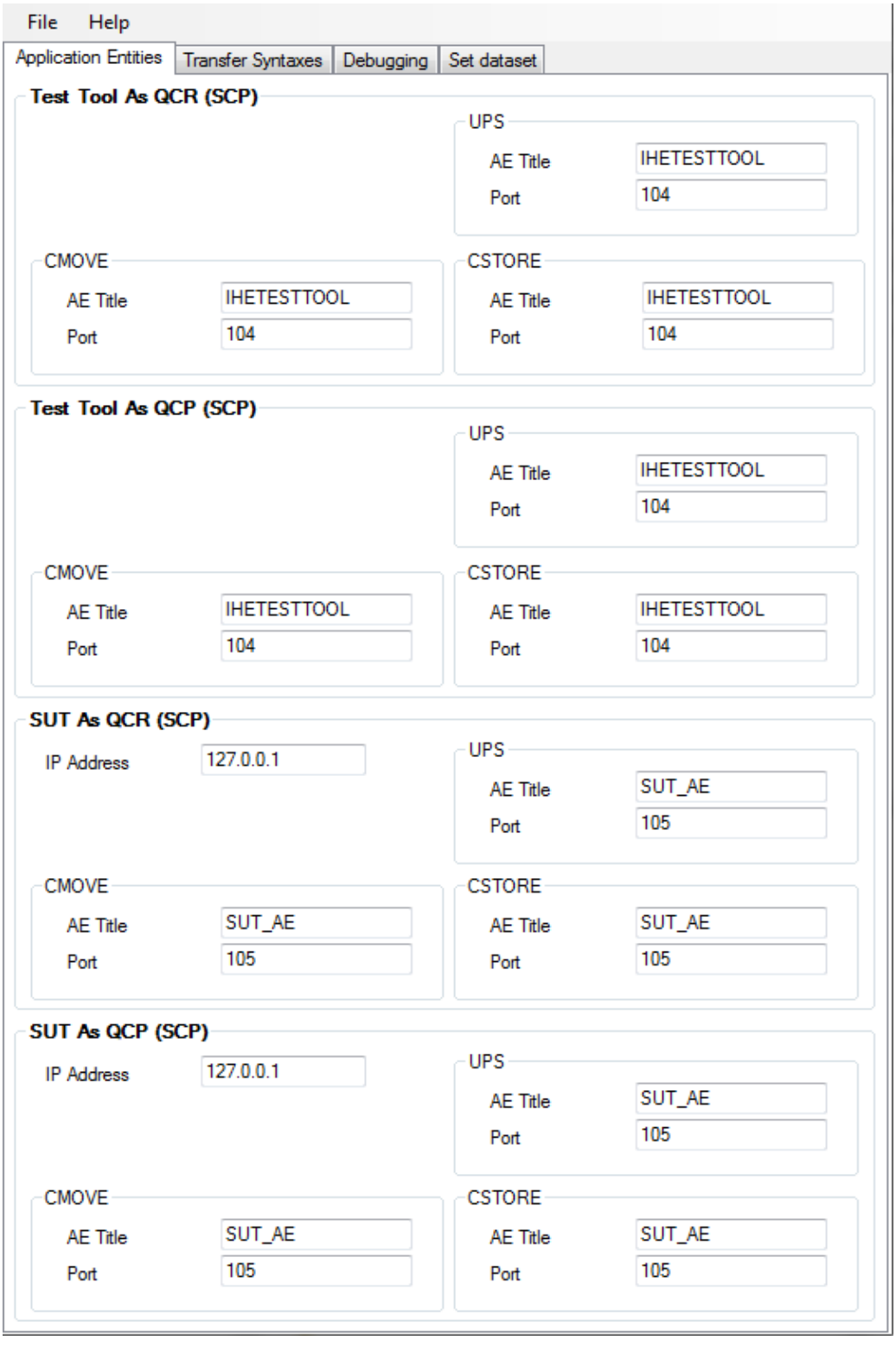
1. Configuring AE-title and Ports

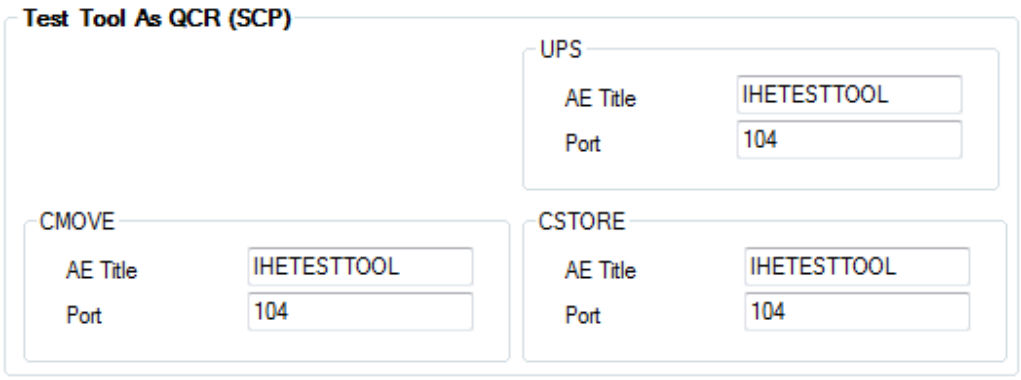
When the editor tool is started, the *"Application Entities"* tab is shown (see screenshot on next page). The AE titles, ports and IP Addresses of the various scenario actors (and dimse commands) can be configured. In chapter 2 is a list of actors and dimse commands for each scenario.

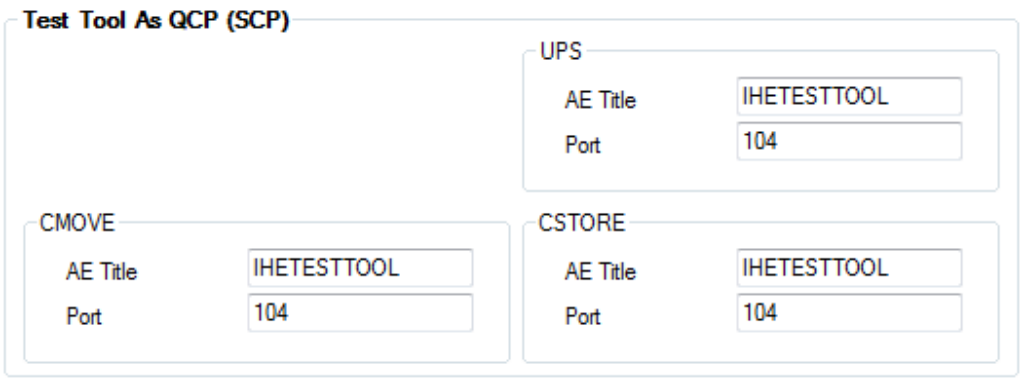


When a wrong format is typed in the fields the characters turn red and saving is not possible.

1.1 Configuring the test tool AE-titles and Ports

The test tool is either simulating a QCP (Quality Check Performer)or a QCR (Quality Check Requester). The test tool will use these settings to listen on a specific port.

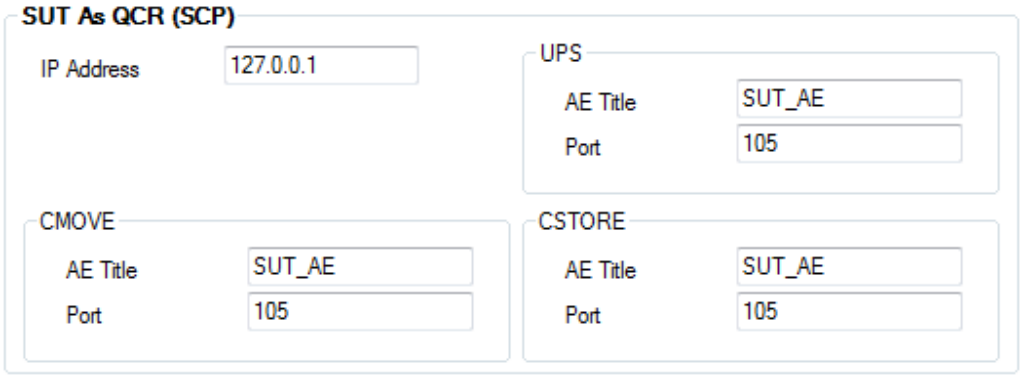


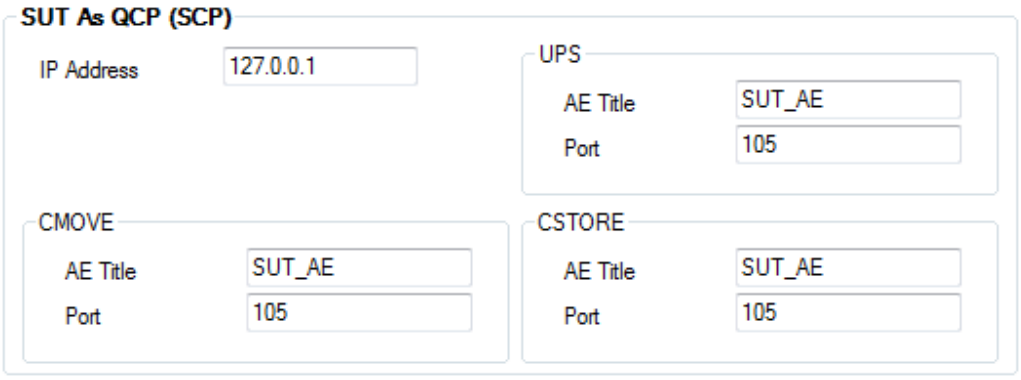


1.2 Configuring the SUT AE-titles and Ports

When the test tool is acting as a QCP it must know the parameters of the QCR. During the scenarios the QCP will send C-STORE, C-MOVE, N-EVENT and N-GET requests to the QCR. For QCR it could very well be that only one AE title and portnumber is needed, therefore it is possible to use the same settings for different dimse commands.

When the test tool is acting as a QCR, it will most of the times react to incoming request. Except once, when it will receive a C-MOVE request from the QCP, it should know to which port number it should send the C-STORE requests.





2. Scenario settings

The test tool uses not all settings for every scenario, in the list below is clarified which settings of the SUT will be used.

QCP scenario's * Settings test tool: QCR	SUT settings
(01) QCP Start	QCP[UPS]
(02) QCP Input Objects Retrieval	QCP[C-STORE]
(03) QCP Difference Check Success	QCP[UPS, C-MOVE]
(04) QCP Dose Check Success	QCP[UPS, C-MOVE]
(05) QCP Check Cancel	QCP[UPS]
(06) QCP Output Objects Retrieval	QCP[UPS, C-STORE]

QCR scenario's * Settings test tool: QCP	SUT settings
(01) QCR Start	
(02) QCR Input Objects Retrieval	QCR[C-MOVE]
(03) QCR Difference Check Success	QCR[UPS, C-STORE]
(04) QCR Dose Check Success	QCR[UPS, C-STORE]
(05) QCR Check Cancel	QCR[UPS]
(06) QCR Output Objects Retrieval	QCR[UPS, C-STORE]

3. Adding or removing transfer syntaxes

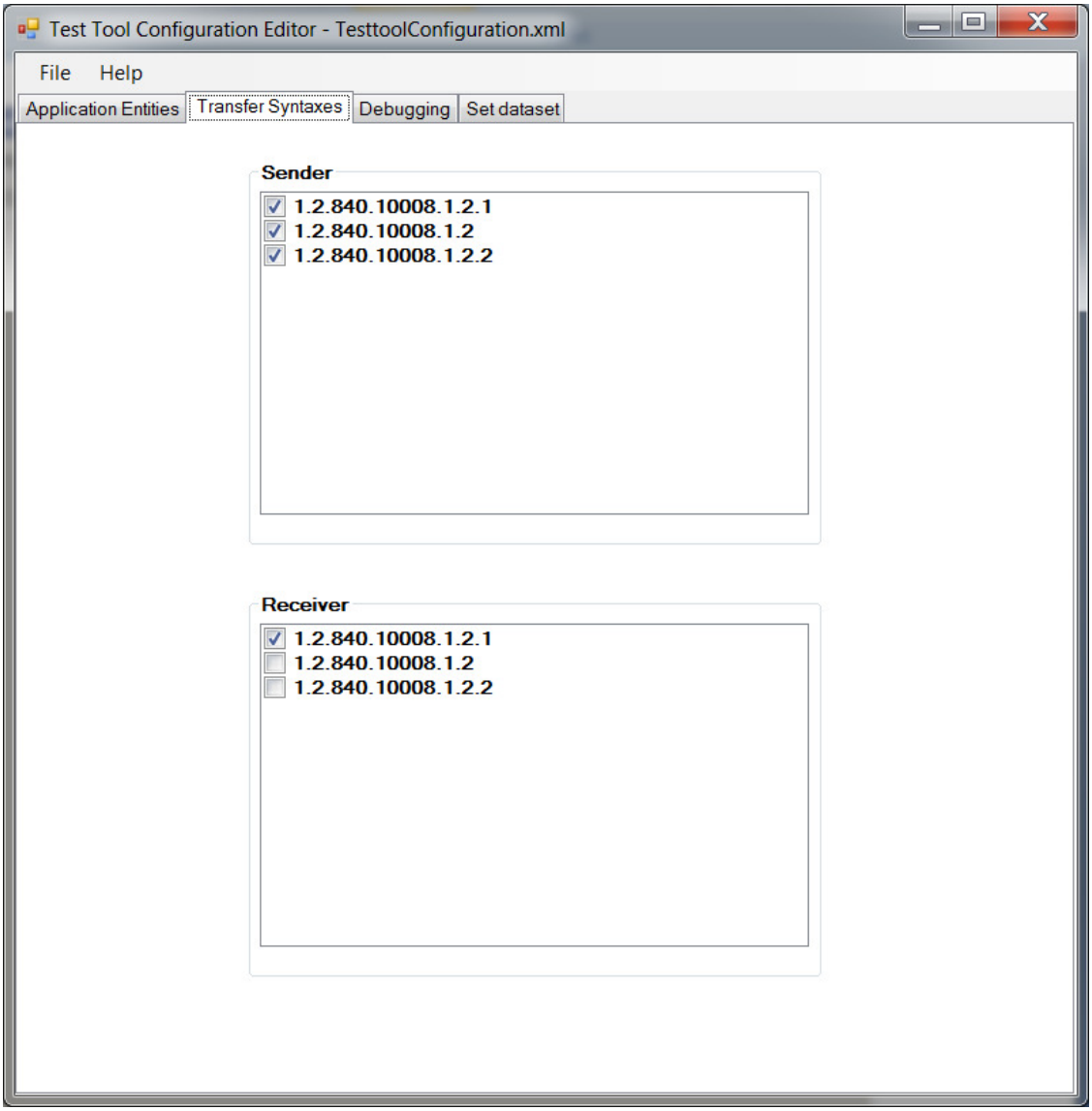
It is possible to select transfer syntaxes for both sender and receiver.

Default transfer syntaxes for the sender:

- 1.2.840.10008.1.2.1 (Explicit VR Little Endian (ELE))
- 1.2.840.10008.1.2 (Implicit VR Little Endian: Default Transfer Syntax for DICOM (ILE))
- 1.2.840.10008.1.2.2 (Explicit VR Big Endian (EBE))

Default transfer syntaxes for the receiver:

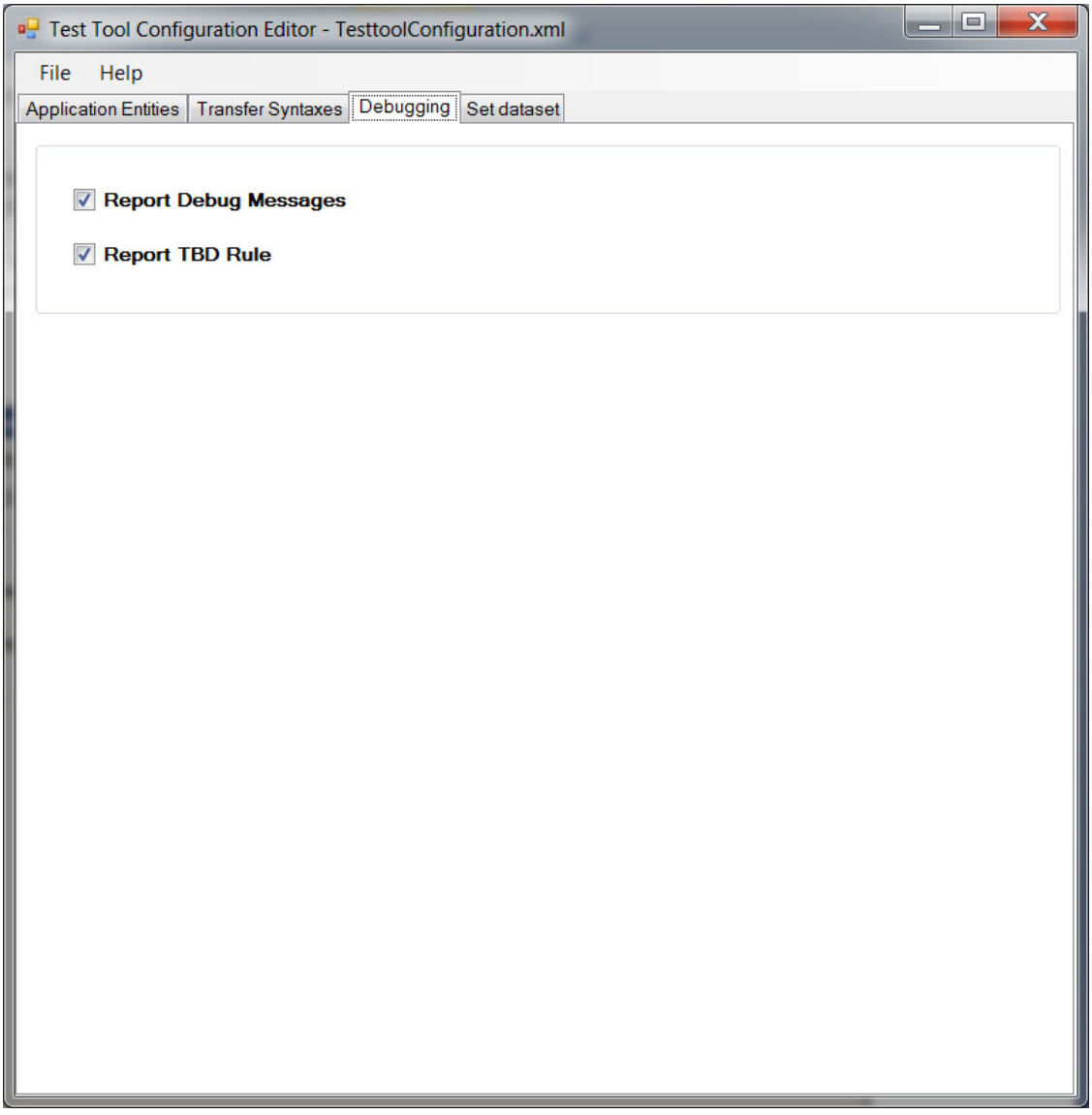
- 1.2.840.10008.1.2.1 (Explicit VR Little Endian (ELE))


Test Tool Configuration Editor - TesttoolConfiguration.xml
File
Help
Application Entities
Transfer Syntaxes
Debugging
Set dataset
Sender
1.2.840.10008.1.2.1
1.2.840.10008.1.2
1.2.840.10008.1.2.2
Receiver
1.2.840.10008.1.2.1
1.2.840.10008.1.2
1.2.840.10008.1.2.2

4. Debug settings

In this tab it is possible to enable/disable some debug settings:

- *"Report Debug messages"*: check to see debug messages in the DVT logging, uncheck to disable them
- *"Report TBD Rule*": enable this to let all TBD rules report an error message when executed, uncheck to disable these messages.



5. Set Dataset

With the Set dataset tab is it is easy to place your dataset files in the correct directories.

With the first six buttons you can place the individual datasets.

To restore all the original datasets, in the textbox type in the directory where the original datasets are, then click the Restore button.

With the delete button all files in the dataset directories will be deleted.