

DICOM Correction Item

Correction Number		CP-603
Log Summary: Specify standard non-privileged port number		
Type of Modification	Name of Standard	
Addition	PS 3.8 2006	
Rationale for Correction		
Many DICOM applications running in user mode without root access do not permitted access to the "well known port" 104. Over time, many different non-privileged ports have been used by various vendors instead. IANA has assigned a standard "registered" port number 11112 that may be used when port 104 is inaccessible.		
Sections of documents affected		
PS 3.8 9.1.1		
Correction Wording:		

Amend PS 3.8 Section 9.1.1:

9.1 USE OF THE TRANSPORT SERVICE PROVIDED BY TCP

9.1.1 GENERAL

...

For the establishment of a TCP connection, a TCP port shall be used to serve as the transport selector. A DICOM UL entity is identified on a given system on the network by a port number unique within the scope of this system. Port numbers of remote DICOM UL entities (well known port number or other numbers) shall be configurable on DICOM UL entities.

Note: It is strongly recommended that systems supporting a single DICOM UL entity use as their port the "well known port" registered for the DICOM Upper Layer Protocol, port number 104 (decimal), **if the operating system permits access to privileged ports (in the range 0 to 1023), otherwise it is recommended that they use the "registered" port number 11112 (decimal). See "<http://www.iana.org/assignments/port-numbers>".**