DICOM Correction Item

Correction Number	CP-182
Log Summary: Clarification of use of AE Titles by C-Move service	

Type of Modification	Name of Standard
Clarification	PS 3.4-1999 w/ Supplements

Rationale for Correction

In section C.1.4 "Service Definition", description of semantics of C-MOVE service states that the SCP of the Query/Retrieve SOP Class serves as an SCU of Storage SOP Class. This implies or could be interpreted as both roles (SCP of the Query/Retrieve SOP Class and SCU of Storage SOP Class) are played by the same Application Entity - per definition in section 3.9, an Application Entity may perform different roles on different associations.
Additionally, according to the Annex C "DICOM Addressing" of Part 8, one DICOM Application Name (which is used as the Application Entity Title) identifies a unique service or application on a specific system in the network. Since C-MOVE is considered a one service, this effectively imposes a requirement that SCP of the Query/Retrieve SOP Class and SCU of Storage SOP Class must use the same Application Entity Title and to be implemented as single application. This appears to be an unnecessary restriction since in many implementations better performance and effectiveness may be achieved by separating to roles so they are played by different applications/processes on the same or different systems.

Sections of documents affected

PS 3.4: Sections C.1.4

Correction Wording:

Modify behavior descriptions as follows

> *Update Section C.1.4 of Part 4 as follows:*

C.1.4   Service Definition

b) A C-MOVE service conveys the following semantics:
— The SCU supplies Unique Key values to identify an entity at the level of the retrieval. The SCP of the C-MOVE initiates C-STORE sub-operations for the corresponding storage SOP Instances identified by Unique Key values. These C-STORE sub-operations occur on a different Association than the C-MOVE service. The SCP role of the Query/Retrieve SOP Class and ~~serves as~~ the SCU role of the Storage SOP Class may be performed by different applications which may or may not reside on the same system. Initiation mechanism of C-STORE sub-operations is outside of the scope of DICOM standard.
   Note: This does not imply that they use the same AE Title. See C.6.1.2.2.2, C.6.2.2.2.2 and C.6.3.2.2.2 for the requirements to the C-MOVE SCP conformance.