Source:	**SA5 (Telecom Management)**
Title:	**Rel-6 CR 32.152 (IRP IS UML repertoire)**
Document for:	**Decision**
Agenda Item:	**7.5.3**

Doc-1st-	Spec	CR	R	Phas	Subject	Cat	Ver	Doc-2nd-	Workitem
SP-040242	32.152	001	-	Rel-6	UML Repertoire Updates (Associations)	C	6.0.0	S5-046485	OAM-NIM

CR-Form-v7

CHANGE REQUEST

⌘   **32.152** CR **001**   ⌘ **rev** **-** ⌘   Current version: **6.0.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐   ME ☐   Radio Access Network **X**   Core Network **X**

Title: ⌘	UML Repertoire Updates (Associations)
Source: ⌘	**SA5** (David.Raymer@Motorola.com)
Work item code: ⌘	OAM-NIM **Date:** ⌘ 14/05/2004

Category: ⌘ **C**   **Release:** ⌘   Rel-6

Use one of the following categories:
   F (correction)
   A (corresponds to a correction in an earlier release)
   B (addition of feature),
   C (functional modification of feature)
   D (editorial modification)
Detailed explanations of the above categories can
be found in 3GPP TR 21.900.

Use one of the following releases:
   2   (GSM Phase 2)
   R96   (Release 1996)
   R97   (Release 1997)
   R98   (Release 1998)
   R99   (Release 1999)
   Rel-4   (Release 4)
   Rel-5   (Release 5)
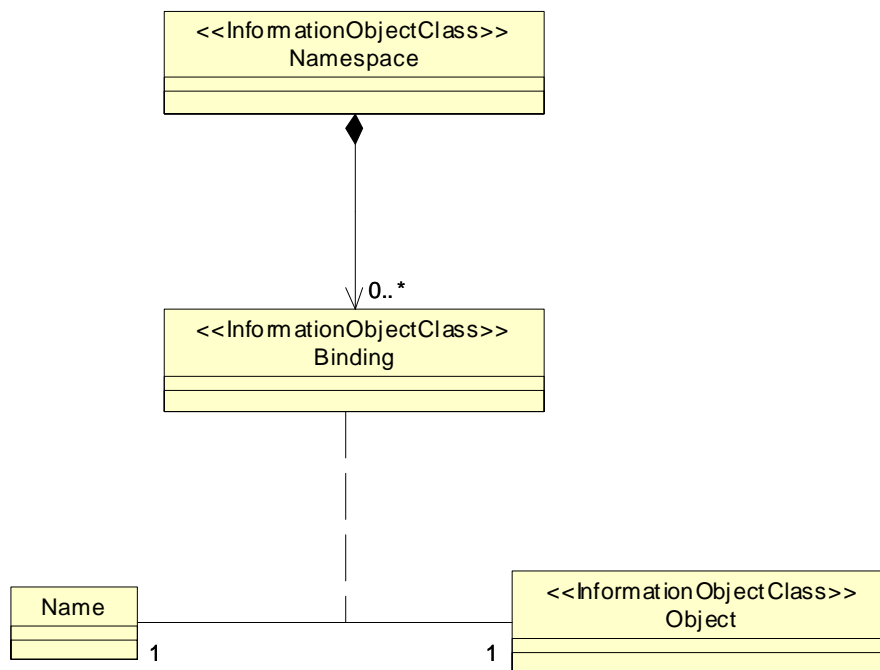   *Rel-6   (Release 6)*

Reason for change: ⌘	Update to repertoire to support more concise modeling of stage 2 documents
Summary of change: ⌘	Addition of subclause covering the use of association classes
Consequences if not approved: ⌘	If not approved, the UML diagrams in the stage 2 documents will not be capable of specifying the models with the necessary rigor to ensure interoperability of implementations.

Clauses affected: ⌘	Chapter 5.4 (new)

	Y	**N**		
Other specs affected: ⌘		X	Other core specifications ⌘	
		X	Test specifications	
		X	O&M Specifications	

Other comments: ⌘	

5.4   Association Classes

Subclause 3.46 of [5] defines an association class as "An association class is an association that also has class properties (or a class that has association properties). Even though it is drawn as an association and a class, it is really just a single model element.". Association classes are appropriate for use when an «InformationObjectClass» needs to maintain associations to several other «InformationObjectClass»'s and there are relationships between the members of the associations within the scope of the "containing" «InformationObjectClass». For example, a namespace maintains a set of bindings, a binding ties a name to an object. A Binding «IOC» can be modeled as an Association Class that provides the binding semantics to the relationship between a name and some other «InformationObjectClass». This is depicted in the following figure (exemplary only, not taken from another 3GPP specification).

Example of an Association Class

Annex A (informative):
Change history

Change history							
Date	**TSG #**	**TSG Doc.**	**CR**	**Rev**	**Subject/Comment**	**Old**	**New**
Dec 2003	S_22	SP-030615	--	--	Submitted to TSG SA#22 for Information	1.0.0	
Mar 2004	S_23	SP-040115	--	--	Submitted to TSG SA#23 for Approval	2.0.0	6.0.0