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1 Scope

The JWG on Model Alignment work has chosen UML to capture behaviour of systems/entities under management.

UML provides a rich set of concepts, notations and model elements to model distributive systems. Usage of all UML notations and model elements is not necessary for the purpose of JWG Model Alignment work. This paper documents the necessary and sufficient set of UML notations and model elements, including the ones built by the UML extension mechanism <<stereotype>>, for use by JWG Model Alignment work. Collectively, this set of notations and model elements is called the FMC (developed by the Converged Management of Fixed/Mobile Networks project) Model Repertoire.

JWG Model Alignment specifications shall employ the UML notation and model elements of this repertoire. In the course of the JWG Model Alignment work, JWG Model Alignment group may modify (add, delete, modify) UML notation and model elements of this repertoire when necessary.

2 References

[1] OMG "Unified Modelling Language (OMG UML), Infrastructure", Version 2. 4.

[2] OMG "Unified Modelling Language (OMG UML), Superstructure", Version 2. 4.

[3] 3GPP TS 32.300: "Telecommunication management; Configuration Management (CM); Name convention for Managed Objects".

[4] 3GPP TS 23.002: "Network architecture".

[5] 3GPP TS 32.107: " Telecommunication management; Fixed Mobile Convergence (FMC) Federated Network Information Model (FNIM)".

[6] 3GPP TS 28.620: " Telecommunication management; Fixed Mobile Convergence (FMC) Federated Network Information Model (FNIM) Umbrella Information Model (UIM)".

[7] ITU-T X.680,"OSI networking and system aspects – Abstract Syntax Notation One (ASN.1)".

[8] ITU-T X.501,"Information technology – Open Systems Interconnection – The Directory: Models".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of this document, the following definitions and abbreviations apply. For definitions and abbreviations not found here, see also Fixed Mobile Convergence (FMC) Federated Network Information Model (FNIM) 0, Fixed Mobile Convergence (FMC) Federated Network Information Model (FNIM) Umbrella Information Model [6].

Distinguished Name: See 3GPP TS 32.300 [3].

Naming attribute: It is a class attribute that holds the class instance identifier. See attribute `id` of *`Top_`* [6]. See examples of naming attribute in 3GPP TS 32.300 [3].

Lower Camel Case: It is the practice of writing compound words in which the words are joined without spaces. Initial letter of all except the first word shall be capitalized. Examples: "managedNodeIdentity" and "minorDetails" are the LCC for 'managed node identity' and 'minor details' respectively.

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