INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

Q.816

Amendment 2
(05/2002)

SERIES Q: SWITCHING AND SIGNALLING

Q3 interface

CORBA-based TMN services

Amendment 2: User guide for local name resolution

ITU-T Recommendation Q.816 (2001) – Amendment 2

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ITU-T Recommendation Q.816

CORBA-based TMN services

Amendment 2

User Guide for local name resolution

Summary

This amendment adds a new non-normative appendix.

Source

Amendment 2 to ITU-T Recommendation Q.816 (2001) was prepared by ITU-T Study Group 4 (2001-2004) and approved under the WTSA Resolution 1 procedure on 29 May 2002.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

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As of the date of approval of this Recommendation, ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementors are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database.

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1) Appendix IV

Add the following new non-normative appendix:

Appendix IV

User Guide for local name resolution

This appendix provides additional information about the TMN CORBA framework intended to help those implementing systems that conform to the framework recommendations.

Requirement Name-6 specifies that a managed system must provide a procedure for assigning a name to each local root naming context. Since each managed object on a managed system must have a unique name, by assigning a globally unique name to the local root naming context, an administration can ensure that each managed object will have a globally unique name. Because these globally unique names may then be used as attribute values to represent associations between objects, there may at times be a need for a managed system to resolve the globally unique name of a local object. This can be eased by constructing on the managed system a naming context hierarchy represented by the globally unique name assigned to the local root naming context. See Figure 1 for a graphical representation.

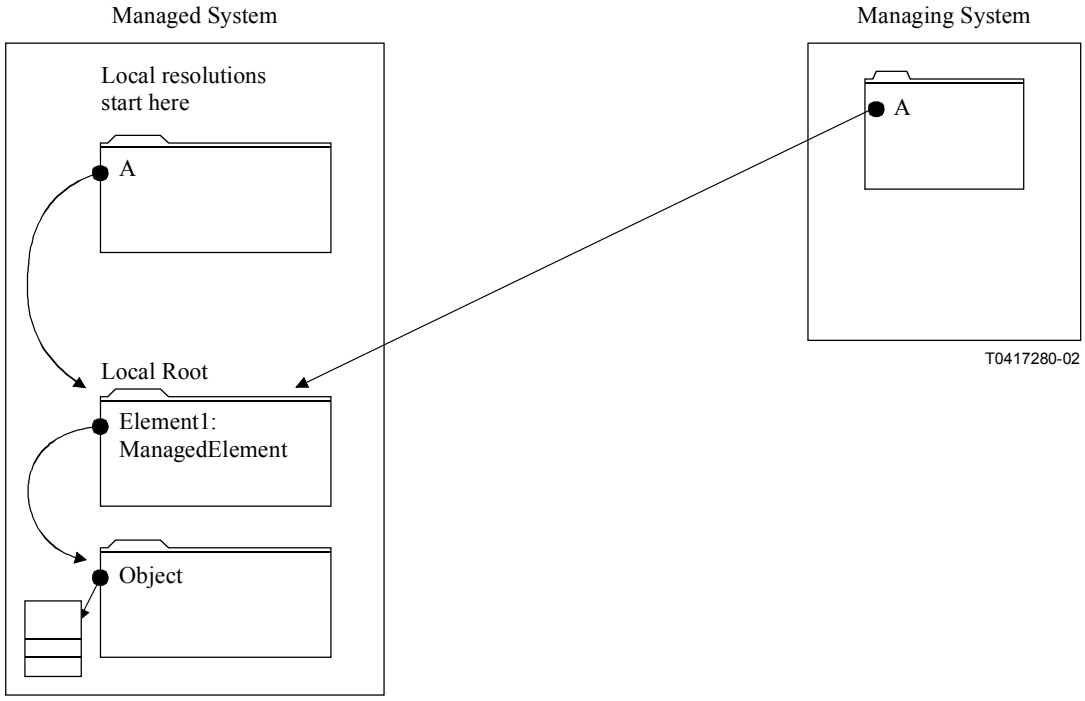

Figure 1/Q.816 – Local name resolution

In Figure 1, the managed system provides the local root naming context represented by the folder labelled "Local Root". This is referenced by the managing system. When the globally unique name "A" is assigned to the local root naming context, the managing system may create a naming context for its own local name resolutions, and bind the local root to the name "A" in that context. This naming context is represented in the figure by the top-most folder in the managed system box. Then, whenever the managed system needs to resolve a globally unique name for a local object (a name beginning with "A"), it can do so by starting the resolution on this naming context. Note that, had the globally unique name assigned to the local root naming context had multiple components, the managed system would have to create multiple naming contexts to perform the name resolution. So, for example, had the name "A.B/C.D" been assigned to the local root, the top-most naming context would have had the name "A.B" bound to a second naming context, which then would have had the name "C.D" bound to the local root.

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