INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

M.3108.1

Corrigendum 1

(01/2001)

SERIES M: TMN AND NETWORK MAINTENANCE: INTERNATIONAL TRANSMISSION SYSTEMS, TELEPHONE CIRCUITS, TELEGRAPHY, FACSIMILE AND LEASED CIRCUITS

Telecommunications management network

TMN management services for dedicated and reconfigurable circuits network: Information model for management of leased circuit and reconfigurable services

Corrigendum 1

ITU-T Recommendation M.3108.1 – Corrigendum 1

(Formerly CCITT Recommendation)

ITU-T M-SERIES RECOMMENDATIONS

TMN AND NETWORK MAINTENANCE: INTERNATIONAL TRANSMISSION SYSTEMS, TELEPHONE CIRCUITS, TELEGRAPHY, FACSIMILE AND LEASED CIRCUITS

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For further details, please refer to the list of ITU-T Recommendations.

ITU-T Recommendation M.3108.1

TMN management services for dedicated and reconfigurable circuits network: Information model for management of leased circuit and reconfigurable services

CORRIGENDUM 1

Summary

This Corrigendum corrects some defects in Recommendation M.3108.1 (1999).

Source

Corrigendum 1 to ITU-T Recommendation M.3108.1 was prepared by ITU-T Study Group 4 (2001-2004) and approved under the WTSA Resolution 1 procedure on 19 January 2001.

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.

INTELLECTUAL PROPERTY RIGHTS

ITU draws attention to the possibility that the practice or implementation of this Recommendation may involve the use of a claimed Intellectual Property Right. ITU takes no position concerning the evidence, validity or applicability of claimed Intellectual Property Rights, whether asserted by ITU members or others outside of the Recommendation development process.

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.

ITU-T Recommendation M.3108.1

TMN management services for dedicated and reconfigurable circuits network: Information model for management of leased circuit and reconfigurable services

CORRIGENDUM 1

1) Clause 3 "Definitions"

There are no new definitions added by this corrigendum.

2) Clause 6.4.1 "Transport service"

In the CONDITIONAL PACKAGES section, replace:

```
"Rec. X.721":availabilityStatus    PRESENT IF "Any scheduling (daily, weekly, external) is present",
```

with:

```
"Rec. X.721":availabilityStatusPackage     PRESENT IF "Any scheduling (daily, weekly, external) is present",
```

Add the following MANAGED OBJECT CLASS definition:

```
serviceAccessDomainR1 MANAGED OBJECT CLASS
    DERIVED FROM "Rec. X.721 | ISO/IEC 10165-2:1992":top;
    CHARACTERIZED BY
        serviceAccessDomainR1Package PACKAGE
            BEHAVIOUR
            serviceAccessDomainR1Behaviour BEHAVIOUR
            DEFINED AS "This MO represents a Service Access Domain consisting of Service Access Groups having
                similar characteristics (e.g. supporting the same bandwidths). Although Rec. M.3208.1 specifies that a
                provider request number be provided by the SP, it is not included in this MO since this MO is created
                directly by the SC.";;
            ATTRIBUTES
                serviceCustomerContact          GET-REPLACE,
                sadId                           GET SET-BY-CREATE,
-- sadId can be provided by the SC, otherwise it is set by the SP; used as naming attribute
                listOfSags                      GET-REPLACE ADD-REMOVE,
                serviceProviderContact          GET;
            NOTIFICATIONS
                "Rec.X.721|ISO 10165-2:1992":objectDeletion,
                "Rec.X.721|ISO 10165-2:1992":objectCreation,
                "Rec.X.721|ISO 10165-2:1992":attributeValueChange;;;
    CONDITIONAL PACKAGES
        aliasNamePackage            PRESENT IF "aliasName was present in the service request ",
        serviceDescriptionPackage   PRESENT IF "a single serviceDescription was present in the service request ",
        serviceDescriptionListPackage       PRESENT IF "multiple serviceDescription was present in the service
                                            request";
        serviceTypePackage              PRESENT IF "a service type was present in the service request ";
REGISTERED AS {m3108Part1ObjectClass 16};
```

3) New clause 6.6.53 "serviceDescriptionListPackage"

Add the following after clause 6.6.52:

6.6.53 serviceDescriptionListPackage

```
serviceDescriptionListPackage  PACKAGE
    ATTRIBUTES
        serviceDescriptionList      GET SET-BY-CREATE;
REGISTERED AS {m3108Part1Package 62};
```

4) New clause 6.6.54 "serviceTypePackage"

Add the following after new clause 6.6.53:

6.6.54 serviceTypePackage

```
serviceTypePackage PACKAGE
      ATTRIBUTES
            "Rec. X.790":serviceType          GET;
REGISTERED AS {m3108Part1Package 63};
```

5) New clause 6.7.38 "serviceDescriptionList"

Add the following after clause 6.7.37:

```
serviceDescriptionList   ATTRIBUTE
      WITH ATTRIBUTE SYNTAX M3108Part1ASN1Module.ServiceDescriptionList;
      MATCHES FOR EQUALITY, SUBSTRINGS;
REGISTERED AS {m3108Part1Attribute   40};
-- represents service class when multiple service classes are supported and requested by the service customer
-- this attribute is added in support of the VPN service defined in Rec. M.3208.3
```

6) Clause 6.12.2 "ASN.1 module"

Replace:

```
      Name ::= PrintableString
```

with:

```
      Name ::= GraphicString
```

Replace:

```
      Sap ::= PrintableString
```

with:

```
      Sap ::= Name
```

Replace:

```
      AliasName ::= PrintableString
```

with:

```
      AliasName ::= Name
```

Replace:

```
      Cpe ::= CHOICE { name             PrintableString,
                       object ObjectInstance
      }
```

with:

```
      Cpe ::= CHOICE {
                       name          Name,
                       object        ObjectInstance
            }
```

Replace:

```
      EquipmentManufacturer ::= PrintableString
```

with:

```
      EquipmentManufacturer ::= Name
```

Replace:

```
EquipmentType::= PrintableString
```

with:

```
EquipmentType::= Name
```

Replace:

```
ModelType::= PrintableString
```

with:

```
ModelType::= Name
```

Replace:

```
Procedure ::= CHOICE {
                name            PrintableString,
                number          INTEGER
                }
```

with:

```
Procedure ::= CHOICE {
                    name            Name,
                    number          INTEGER
                }
```

Replace:

```
TopologicalEntity ::= CHOICE { name     PrintableString,
                               object       ObjectInstance
                }
```

with:

```
TopologicalEntity ::= CHOICE {
                            name            Name,
                            object          ObjectInstance
                        }
```

Replace:

```
CreateSadError ::= ENUMERATED {
                        invalidLocation             (0),
                        invalidServiceType          (1),
                        invalidServiceDescription   (2),
                        ...
                }
```

with:

```
CreateSadError ::= ENUMERATED {
                        invalidServiceType          (0),
                        invalidServiceDescription   (1),
                        duplicateSADIdentifier      (2),
                        contractViolation           (4),
                        ...
                }
```

Replace:

```
DeleteSadError ::= ENUMERATED {
                        invalidSadId        (0),
                        sadContainsSags     (1),
                        ...
                }
```

with:

```
DeleteSadError ::= ENUMERATED {
                        invalidSADId(0),
                        sADContainsSAGs  (1),
                        resourceInUse       (2),
                        ...
                }
```

Replace the IMPORTS statement:

```
        LocationAddress, PersonReach
                FROM X790ASN1Module {itu-t(0) recommendation(0) x(24) x790(790) informationModel(0)
asn1module(2)}
;
```

with:

```
        LocationAddress, PersonReach, ServiceDescription
                FROM X790ASN1Module {itu-t(0) recommendation(0) x(24) x790(790) informationModel(0)
                        asn1module(2)}
                ;
```

Add:

```
DeleteSadError ::= ENUMERATED {
```

SERIES OF ITU-T RECOMMENDATIONS

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