INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

Q.1218
Addendum 1
(09/97)

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Intelligent Network

Interface Recommendation for Intelligent Network CS-1

Addendum 1: Definition for two new contexts in the SDF data model

ITU-T Recommendation Q.1218 – Addendum 1

(Previously CCITT Recommendation)

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ITU-T RECOMMENDATION Q.1218

INTERFACE RECOMMENDATION FOR INTELLIGENT NETWORK CS-1

ADDENDUM 1

Definition for two new contexts in the SDF data model

Summary

This Addendum covers the two news contexts "basic service" and "line identity".

Source

Addendum 1 to ITU-T Recommendation Q.1218, was prepared by ITU-T Study Group 11 (1997-2000) and was approved under the WTSC Resolution No. 1 procedure on the 12th of September 1997.

FOREWORD

ITU (International Telecommunication Union) is the United Nations Specialized Agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of the ITU. The 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 Conference (WTSC), which meets every four years, establishes the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

The approval of Recommendations by the Members of the ITU-T is covered by the procedure laid down in WTSC Resolution No. 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

The ITU draws attention to the possibility that the practice or implementation of this Recommendation may involve the use of a claimed Intellectual Property Right. The 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, the 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.

Recommendation Q.1218

INTERFACE RECOMMENDATION FOR INTELLIGENT NETWORK CS-1:

ADDENDUM 1
Definition for two new contexts in the SDF data model

(Geneva, 1997)

1) *Add the following in its totality as 2.2.2.1.8:*

2.2.2.1.8 Contexts

2.2.2.1.8.1 Basic Service context

This Basic Service context associates an attribute value with a basic service for which the attribute value is semantically valid. For example, this Basic Service context will be associated with an ISDN address to indicate the type of basic service that could be used with it. In the UPT case, this context allows the definition of registration addresses for different basic services.

```
basicServiceContext CONTEXT ::= {
        WITH SYNTAX     BasicService
        ID                      id-avc-basicService}

BasicService ::= INTEGER {
        telephony                       (1),
        faxGroup2-3                     (2),
        faxGroup4                       (3),
        teletexBasicAndMixed            (4),
        teletexBasicAndProcessable      (5),
        teletexBasic                    (6),
        syntaxBasedVideotex             (7),
        internationalVideotex           (8),
        telex                           (9),
        messageHandlingSystems          (10),
        osiApplication                  (11),
        audioVisual                     (12)}
```

A presented value is considered to match a stored value if the context value (i.e. a basic service value) in the presented value is identical to that in the stored value.

2.2.2.1.8.2 Line Identity context

The Line Identity context associates an attribute value with the identity of a line for which the attribute value is semantically valid. For example, this Line Identity context will be associated with a routing number to provide calling-line dependent routing.

```
lineIdentityContext             CONTEXT ::={
        WITH SYNTAX             IsdnAddress
        ID                      id-avc-lineIdentity}

IsdnAddress ::= AddressString{ub-international-isdn-number}
```

A presented value is considered to match according to the **reversePrefixMatch** matching rule defined in X.500-Series Recommendations.

2) *Add the following in its totality at the end of 2.2.2.4.1:*

```
IN-Contexts {ccitt recommendation q 1218 modules (0) contexts (8) selectedContexts (1) version (1)}

DEFINITIONS ::=
BEGIN
IMPORTS
ub-international-isdn-number
FROM UpperBounds {joint-iso-ccitt ds(5) module(1) upperBounds(10) 2}

informationFramework
FROM UsefulDefinitions {joint-iso-ccitt ds(5) module(1) usefulDefinitions(0) 3}

CONTEXT
FROM InformationFramework informationFramework
;
basicServiceContext CONTEXT ::= {
        WITH SYNTAX         BasicService
        ID                          id-avc-basicService}

BasicService ::= INTEGER {
        telephony                   (1),
        faxGroup2-3                 (2),
        faxGroup4                   (3),
        teletexBasicAndMixed        (4),
        teletexBasicAndProcessable  (5),
        teletexBasic                (6),
        syntaxBasedVideotex         (7),
        internationalVideotex       (8),
        telex                       (9),
        messageHandlingSystems      (10),
        osiApplication              (11),
        audioVisual                 (12)}

lineIdentityContext         CONTEXT ::={
        WITH SYNTAX         IsdnAddress
        ID                  id-avc-lineIdentity}

AddressString{INTEGER: ub-max-value} ::= NumericString(SIZE(1..ub-max-value))

IsdnAddress ::= AddressString{ub-international-isdn-number}

id-avc-basicService OBJECT IDENTIFIER ::= {id-avc 30}
id-avc-lineIdentity OBJECT IDENTIFIER ::= {id-avc 31}

id-avc OBJECT IDENTIFIER ::= {ccitt recommendation q 1218 contexts(8) }

END
```

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