INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

Q.824.5
Corrigendum 1
(02/2000)

SERIES Q: SWITCHING AND SIGNALLING

Specifications of Signalling System No. 7 – Q3 interface

Stage 2 and stage 3 description for the Q3 interface – Customer administration: Configuration management of V5 interface environments and associated customer profiles

Corrigendum 1

ITU-T Recommendation Q.824.5 – Corrigendum 1

ITU-T Q-SERIES RECOMMENDATIONS

SWITCHING AND SIGNALLING

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

ITU-T Recommendation Q.824.5

**Stage 2 and Stage 3 description forthe Q3 interface – Customer administration:
Configuration management of V5 interface environments
and associated customer profiles**

CORRIGENDUM 1

Summary

This corrigendum corrects defects identified in Recommendation Q.824.5 (1997). It includes a table providing the relation between the defects and the corrections. These corrections are specified as changes to existing clauses of Recommendation Q.824.5 (1997).

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 Conference (WTSC), 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 WTSC 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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Configuration management of V5 interface environments
and associated customer profiles**

CORRIGENDUM 1

1   Introduction

This corrigendum corrects a number of defects to Recommendation Q.824.5 that have previously been documented and resolved in the Q.830-series Plus Implementors' Guide. This corrigendum replaces the Implementors' Guide as the authoritative source. However, the defects corrected in this corrigendum will be reflected in the Implementors' Guide until this corrigendum has been published.

Additional defects and resolutions will again be recorded in the Implementors' Guide and finally be published in an additional corrigendum or a revision of Recommendation Q.824.5.

2   Resolved defects

This corrigendum corrects the following defects reported against Recommendation Q.824.5 (1997):

Defect number	Issue	Correction No.
DR-Q824.5-1	Illegal GDMO	2
DR-Q824.5-2	Definition of package missing	2, 24
DR-Q824.5-3	Unrecognized superclass reference	3
DR-Q824.5-4	Unrecognized abstract syntax reference	17
DR-Q824.5-5	Duplicate template name	27
DR-Q824.5-6	Inconsistency with the name of the attribute peerUserLabel	2, 21, 28
DR-Q824.5-8	Illegal character in ASN.1 type ProtocolVersion	32
DR-Q824.5-9	Illegal character in ASN.1 type ProtocolVersion	32
DR-Q824.5-10	Identifier missing in ASN.1 type ReleaseReciprocalPointersResult	32
DR-Q824.5-11	Identifier missing in ASN.1 type SetReciprocalPointersResult	32
DR-Q824.5-12	Package "ITU-T Rec. M.3100":stateChangeNotificationPackage missing	11
DR-Q824.5-13	Name of ASN.1 type already assigned in ITU-T Rec. X.711	30, 32
DR-Q824.5-14	ASN.1 type pointer defined in different ASN.1 modules	32
DR-Q824.5-15	Statement in contradiction with G.965	1
DR-Q824.5-16	Attribute name already assigned in ITU-T Rec. G.774	12, 13, 29
DR-Q824.5-17	Attribute name already assigned in ITU-T Rec. G.774	13, 31
DR-Q824.5-18	Misalignment in references to supporting Recs.	2, 3, 5, 9, 10, 12, 13, 16, 18, 22, 23, 25, 26
DR-Q824.5-19	Misalignment in references to supporting Recs.	8, 26
DR-Q824.5-20	Misalignment in references to supporting Recs.	6, 8, 14, 15

Defect number	Issue	Correction No.
DR-Q824.5-21	Remove cross-references from several behaviours	3, 4, 6, 7, 9, 10
DR-Q824.5-22	Illegal GDMO	19
DR-Q824.5-23	Illegal GDMO	20

1)   Subclause 5.1 "Entity relationship diagrams"

Replace the paragraph:

"Protection group 1 and its contained protection unit(s) are to be instantiated for the V5.2 case even if there is only one 2048 kbit/s link."

with the following:

"Protection group 1 and its contained protection unit(s) need not to be instantiated for the V5.2 case if there is only one 2048 kbit/s link."

2)   Subclause 6.1.1.2.1 "V5 interface"

Correct the reference to ITU-T Recommendation X.721 in the GDMO to read:

"ITU-T Recommendation X.721":top;

Correct the GDMO definition related to the v5Identification attribute to read:

v5Identification   GET,

Correct the GDMO definition related to the peerUserLabelPackage package to read:

peerManagedElementPackage PRESENT IF "an instance supports it",

Correct the GDMO definition related to the supportedByObjectListPackage package to read:

v5SupportedByObjectListPackage PRESENT IF "the information model is not only used for provisioning",

3)   Subclause 6.1.1.2.2 "V5 TTP"

Correct the reference to ITU-T Recommendation M.3100 in the GDMO to read:

"ITU-T Recommendation M.3100":trailTerminationPointBidirectional;

Correct the reference to ITU-T Recommendation X.721 in the GDMO to read:

"ITU-T Recommendation X.721":administrativeStatePackage,

Replace the following words in the behaviour:

"as described in CCITT Rec. X.731 | ISO/IEC 10164-2 [22]"

with the following ones:

"as described in CCITT Rec. X.731 | ISO/IEC 10164-2"

Replace the following words in the behaviour:

"specified in ITU-T Recommendation Q.831 [12]."

with the following ones:

"specified in ITU-T Recommendation Q.831."

4)   Subclause 6.1.1.2.3 "V5 time slot"

Replace the following words in the behaviour:

"specified in ITU-T Recommendation Q.831 [12]."

with the following ones:

"specified in ITU-T Recommendation Q.831."

5)   Subclause 6.1.1.2.4 "V5 provision"

Correct the reference to ITU-T Recommendation X.721 in the GDMO to read:

"ITU-T Recommendation X.721":top;

6)   Subclause 6.1.1.3.1 "Virtual access port"

Correct the reference to ITU-T Recommendation Q.824.0 in the GDMO to read:

"ITU-T Recommendation Q.824.0":accessPort;

Replace the following words in the behaviour:

"specified in ITU-T Recommendation Q.831 [12]."

with the following ones:

"specified in ITU-T Recommendation Q.831."

7)   Subclause 6.1.1.3.4 "Virtual primary rate access"

Replace the following words in the condition for the instantiation of the conditional package actingRolePkg:

"ITU-T Recommendation I.310 [6]."

with the following ones:

"ITU-T Recommendation I.310."

8)   Subclause 6.1.1.3.6 "Virtual access channel"

Correct the reference to ITU-T Recommendation Q.824.0 in the GDMO to read:

"ITU-T Recommendation Q.824.0":accessChannel;

Correct the reference to ITU-T Recommendation M.3100 in the GDMO to read:

"ITU-T Recommendation M.3100":ctpInstancePackage,

9)   Subclause 6.1.1.4.1 "V5 communication channel"

Correct the references to ITU-T Recommendation X.721 in the GDMO to read:

"ITU-T Recommendation X.721":top;
"ITU-T Recommendation X.721":objectCreation,
"ITU-T Recommendation X.721":objectDeletion;;;

Replace the following words in the behaviour:

"are given in ITU-T Recommendations G.964 [4] and G.965 [5]."

with the following ones:

"are given in ITU-T Recommendations G.964 and G.965."

10)   Subclause 6.1.1.4.2 "Communication path"

Correct the references to ITU-T Recommendation X.721 in the GDMO to read:

"ITU-T Recommendation X.721":top;
"ITU-T Recommendation X.721":objectCreation,
"ITU-T Recommendation X.721":objectDeletion;;;

Replace the following words in the behaviour:

"are given in ITU-T Recommendations G.964 [4] and G.965 [5]."

with the following ones:

"are given in ITU-T Recommendations G.964 and G.965."

11)   New subclause 6.1.1.4.9 "V5 communication channel R1"

Add the following new subclass commChannelR1 managed object class definition in a new subclause 6.1.1.4.9:

commChannelR1 MANAGED OBJECT CLASS
DERIVED FROM commChannel;
CHARACTERIZED BY
**   commChannelR1Package PACKAGE**
**   NOTIFICATIONS**
**   "ITU-T Recommendation X.721":stateChange;;;**
REGISTERED AS {managedObjectClass 29};

12)   Subclause 6.1.1.5.1 "V5 protection group"

Correct the references to ITU-T Recommendation X.721 in the GDMO to read:

"ITU-T Recommendation X.721":top;

Replace the following word in the behaviour:

"reliableResourcePointer"

with the following one:

"v5ReliableResourcePointer"

13)   Subclause 6.1.1.5.2 "V5 protection unit"

Correct the references to ITU-T Recommendation X.721 in the GDMO to read:

"ITU-T Recommendation X.721":top;

Correct the GDMO definition related to the reliableResourcePointer attribute to read:

v5ReliableResourcePointer   GET,

Correct the GDMO definition related to the unreliableResourcePointer attribute to read:

v5UnreliableResourcePointer   GET,

Replace the following word in the behaviour:

"reliableResourcePointer"

with the following one:

"v5ReliableResourcePointer"

14)   Subclause 6.1.1.6.1 "V5 bearer channel reservation"

Correct the reference to ITU-T Recommendation Q.824.0 in the GDMO to read:

"ITU-T Recommendation Q.824.0":supplementaryServiceServiceIndependent;

15)   Subclause 6.1.1.6.2 "V5 leased line reservation"

Correct the reference to ITU-T Recommendation Q.824.0 in the GDMO to read:

"ITU-T Recommendation Q.824.0":supplementaryServiceServiceIndependent;

16)   Subclause 6.1.2.3.1 "User port TTP"

Correct the reference to ITU-T Recommendation X.721 in the GDMO to read:

"ITU-T Recommendation X.721":administrativeStatePackage,

17)   Subclause 6.1.2.3.4 "PSTN user port"

Correct the ASN.1 module reference in the default value specification of the specialFeatures attribute to read:

specialFeatures
**   DEFAULT VALUE ASN1CMANTypeModule.defaultSpecialFeatures**
**   GET-REPLACE ADD-REMOVE;;;**

18)   Subclause 6.1.2.3.6 "User port bearer channel CTP"

Correct the reference to ITU-T Recommendation X.721 in the GDMO to read:

"ITU-T Recommendation X.721":administrativeStatePackage PRESENT IF "an instance supports it",

19)   Subclause 6.2.1.10 "virtualAccessChannel-virtualAccessPort"

Correct the reference to the superior object class in the GDMO to read:

SUPERIOR OBJECT CLASS virtualAccessPort AND SUBCLASSES;

20)   Subclause 6.2.2.4 "userPortBearerChannelCtp-userPortTtp"

Correct the reference to the subordinate object class in the GDMO to read:

SUBORDINATE OBJECT CLASS userPortBearerChannelCtp AND SUBCLASSES;

21)   Subclause 6.3.12 "Peer user label"

Redefine the subclause to read:

6.3.12   Peer managed element

peerManagedElementPackage PACKAGE
**   ATTRIBUTES**
**   peerManagedElement   GET-REPLACE;**
REGISTERED AS {package 13};

22)   Subclause 6.3.14 "Relationship change notification"

Correct the reference to ITU-T Recommendation X.721 in the GDMO to read:

"ITU-T Recommendation X.721":relationshipChange;

23)   Subclause 6.3.15 "V5 availability status"

Correct the reference to ITU-T Recommendation X.721 in the GDMO to read:

"ITU-T Recommendation X.721":availabilityStatus GET;

24)   New subclause 6.3.x "V5 supported by object list"

Add the following new v5SupportedByObjectListPackage package definition in a new subclause 6.3.x following existing subclause 6.3.17:

v5SupportedByObjectListPackage PACKAGE
**   ATTRIBUTES**
**   "ITU-T Recommendation M.3100":supportedByObjectList   GET SET-BY-CREATE;**
REGISTERED AS {package 21};

25)   Subclause 6.3.18 "V5 time slot administrative state"

Correct the reference to ITU-T Recommendation X.721 in the GDMO to read:

"ITU-T Recommendation X.721":administrativeState   GET-REPLACE;

26)   Subclause 6.3.19 "V5 TMN communications alarm information"

Correct the reference to ITU-T Recommendation M.3100 in the GDMO to read:

"ITU-T Recommendation M.3100":alarmStatus   GET,
"ITU-T Recommendation M.3100":currentProblemList   GET;

Correct the reference to ITU-T Recommendation X.721 in the GDMO to read:

"ITU-T Recommendation X.721":communicationsAlarm

27)   Subclause 6.5.2 "Acting role"

Correct the GDMO definition related to the actingRole behaviour to read:

actingRoleBehaviour BEHAVIOUR

28)   Subclause 6.5.32 "Peer managed element"

Correct the GDMO definition related to the peerUserLabel attribute to read:

peerManagedElement ATTRIBUTE

Correct the GDMO definition related to the peerUserLabelBehaviour behaviour to read:

peerManagedElementBehaviour BEHAVIOUR

29)   Subclause 6.5.35 "Reliable resource pointer"

Correct the subclause header to read:

6.5.35   V5 reliable resource pointer

Correct the GDMO definition related to the reliableResourcePointer attribute to read:

v5ReliableResourcePointer ATTRIBUTE

Correct the GDMO definition related to the reliableResourcePointerBehaviour behaviour to read:

v5ReliableResourcePointerBehaviour BEHAVIOUR

30) Subclause 6.5.38 "Supported protocol version"

Correct the ASN.1 module reference of the supportedProtocolVersion attribute to read:

WITH ATTRIBUTE SYNTAX ASN1CMLETypeModule.V5SupportedProtocolVersion;

31) Subclause 6.5.39 "Unreliable resource pointer"

Correct the subclause header to read:

6.5.39 V5 unreliable resource pointer

Correct the GDMO definition related to the unreliableResourcePointer attribute to read:

v5UnreliableResourcePointer ATTRIBUTE

Correct the GDMO definition related to the unreliableResourcePointerBehaviour behaviour to read:

v5UnreliableResourcePointerBehaviour BEHAVIOUR

32) Subclause 6.8 "ASN.1 defined types module"

Modify:

```
Pointer ::= CHOICE {
                objectInstance [0] ObjectInstance,
                null [1] NULL}
```

to read:

```
Pointer ::= PointerOrNull
```

Modify:

```
ProtocolVersion ::= ENUMERATED {
            v5.1 (1),
            v5.2 (2),
            ...}
```

to read:

```
V5SupportedProtocolVersion ::= ENUMERATED {
            v5dot1 (1),
            v5dot2 (2),
            ...}
```

Modify:

```
ReleaseReciprocalPointersResult ::= SEQUENCE {
            originalPointerInfo OriginalPointerInfo,
            CHOICE {
                failed [0] Failed,
                released [1] NULL}}
```

to read:

        ReleaseReciprocalPointersResult ::= SEQUENCE {
                  originalPointerInfo OriginalPointerInfo,
                  result CHOICE {
                        failed [0] Failed,
                        released [1] NULL}}

Modify:

        SetReciprocalPointersResult ::= SEQUENCE {
                  originalPointerInfo OriginalPointerInfo,
                  CHOICE {
                        failed [0] Failed,
                        set [1] NULL}}

to read:

        SetReciprocalPointersResult ::= SEQUENCE {
                  originalPointerInfo OriginalPointerInfo,
                  result CHOICE {
                        failed [0] Failed,
                        set [1] NULL}}

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