ITU-T

1-01

TELECOMMUNICATION STANDARDIZATION SECTOR OF ITU



SERIES X: DATA NETWORKS, OPEN SYSTEM COMMUNICATIONS AND SECURITY

Information and network security - Telebiometrics

Telebiometrics related to human physiology Amendment 1: Object identifier assignments under the telebiometrics arc

Recommendation ITU-T X.1082 (2007) - Amendment 1



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

Recommendation ITU-T X.1082

Telebiometrics related to human physiology

Amendment 1

Object identifier assignments under the telebiometrics arc

Summary

Amendment 1 to Recommendation ITU-T X.1082 allocates arcs under the object identifier arc **{joint-iso-itu-t(2) telebiometrics(42)}** allocated for the work on telebiometrics, with top level OID-IRI value "/**Telebiometrics**". This is primarily intended to provide object identifier support for an emerging protocol for telehealth. To support that work, object identifier values are needed for significant concepts in Recommendations ITU-T X.1081 and ITU-T X.1082.

Source

Amendment 1 to Recommendation ITU-T X.1082 (2007) was approved on 29 October 2009 by ITU-T Study Group 17 (2009-2012) under Recommendation ITU-T A.8 procedures.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications, information and communication technologies (ICTs). 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, implementers are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database at <u>http://www.itu.int/ITU-T/ipr/</u>.

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Recommendation ITU-T X.1082

Telebiometrics related to human physiology

Amendment 1

Object identifier assignments under the telebiometrics arc

1) Scope

Add the following paragraph at the end of Scope:

ASN.1 object identifiers and relative OID-IRIs are also allocated for these codes and associated graphical symbols.

2) Clause 2, References

Insert the following new normative references before [ITU-T X.1081] in clause 2:

[ITU-T X.660] Recommendation ITU-T X.660 (2008) | ISO/IEC 9834-1:2008, Information technology – Open Systems Interconnection – Procedures for the operation of OSI Registration Authorities: General procedures and top arcs of the International Object Identifier tree.

[ITU-T X.68x] Recommendation ITU-T X.68x -series (2008) | ISO/IEC 8824-x:2008, Information technology – Abstract Syntax Notation One (ASN.1).

3) New clause 12

Insert new clause 12 as follows:

12 Object identifier assignments

12.1 Under the procedures of [ITU-T X.660], the object identifier:

{joint-iso-itu-t(2) telebiometrics(42)}

has been allocated for the work on telebiometrics, with the top level OID-IRI value "/Telebiometrics".

12.2 Beneath the "/Telebiometrics" arc, an allocation of

{joint-iso-itu-t(2) telebiometrics(42) 2}, with Unicode Label

"/Telebiometrics/Human_Physiology" has been assigned to this Recommendation by [ITU-T X.1081].

12.3 The arc $\{\text{joint-iso-itu-t}(2) \text{ telebiometrics}(42) \text{ human-physiology}(2) 0\}$ and sub arcs is assigned for module identification in this Recommendation.

12.4 Further top-level allocations of arcs under the node

{joint-iso-itu-t(2) telebiometrics(42) human-physiology(2)} allocated to ITU-T X.1082 are shown in Figure 11, and clauses 12.5 and 12.6.



Figure 11 – Top-level allocations made by ITU-T X.1082

12.5 The arcs beneath the arc:

{joint-iso-itu-t(2) telebiometrics(42) human-physiology(2) symbols(1)} ("Symbols")
are specified in Table 8. All arcs are relative to the node:

"/Telebiometrics/Human_Physiology/Symbols".

Arc number	Symbol identified	Unicode hex code	Unicode label for arc
1	(\cdot)	Not yet available	"Tango_in"
2	Ē	Not yet available	"Video_in"
3)) - ((Not yet available	"Audio_in"
4	(··)	Not yet available	"Chemo_in"
5		Not yet available	"Radio_in"
6	\odot	Not yet available	"Calor_in"
7	(\cdot)	Not yet available	"Tango_out"
8	١Ŏ	Not yet available	"Video_out"
9	((•))	Not yet available	"Audio_out"
10)⊙(Not yet available	"Chemo_out"
11	(ĩ,	Not yet available	"Radio_out"
12	Ô	Not yet available	"Calor_out"
13	\odot	Not yet available	"Safe"
14	Ŧ	Not yet available	"Threshold"

Table 8 – Arcs identifying symbols

12.6 There are 4095 arcs beneath the arc {joint-iso-itu-t(2) telebiometrics(42) human-physiology(2) symbol-combinations(2)} ("symbol_combinations"), with arc numbers 1 to 4095 inclusive. These arcs have no Unicode labels. Each arc corresponds to the row in Table C.2 that has the corresponding number in the first column. All arcs are relative to the node "/Telebiometrics/Human_Physiology/Symbol_Combinations".

Example: The combination of Audio-out, Radio-out, and Calor-out could be identified as {2 42 2 2 11} for a compact encoding, or as:

"Telebiometrics/Human_Physiology/Symbol_Combinations/11".

12.7 The ASN.1 module in Annex D defines object identifier values and OID-IRI (or RELATIVE-OID-IRI values) for the nodes identified in Figure 11.

4) New Annex D

Insert new Annex D before Appendix I as follows:

Annex D

Formal ASN.1 OID allocations

(This annex forms an integral part of this Recommendation)

D.1 General

This annex provides the formal allocation of arcs beneath the "/Telebiometrics/X.1082" {joint-iso-itu-t(2) telebiometrics(42) human-physiology(2)} arc.

D.2 ASN.1 module

NOTE - This module imports definitions from [ITU-T X.1081].

```
Human-Physiology
{joint-iso-itu-t(2) telebiometrics(42) human-physiology (2)
            modules(0) main(0) version (0) }
"/Telebiometrics/Human-Physiology/Modules/Main module/First Version"
DEFINITIONS::=
BEGIN
IMPORTS id-hum-phys, iri-hum-phys FROM
           Telebiometrics {joint-iso-itu-t(2) telebiometrics (42)
                                 modules(0) main(0) version(0) };
-- *1* OBJECT IDENTIFIER allocations specific to ITU-T X.1082
                id-symbols OBJECT IDENTIFIER ::= {id-hum-phys symbols(1)}
                id-symbol-comb OBJECT IDENTIFIER ::=
                                          {id-hum-phys symbol-combinations(2)}
                id-tango-in OBJECT IDENTIFIER ::= {id-symbols tango-in(1)}
                id-video-in OBJECT IDENTIFIER ::= {id-symbols video-in(2)}
                id-audio-in OBJECT IDENTIFIER ::= {id-symbols audio-in(3)}
                id-chemo-in OBJECT IDENTIFIER ::= {id-symbols chemo-in(4)}
id-radio-in OBJECT IDENTIFIER ::= {id-symbols radio-in(5)}
id-calor-in OBJECT IDENTIFIER ::= {id-symbols calor-in(6)}
                id-tango-out OBJECT IDENTIFIER ::= {id-symbols tango-out(7)}
                id-video-out OBJECT IDENTIFIER ::= {id-symbols video-out(8)}
                id-audio-out OBJECT IDENTIFIER ::= {id-symbols audio-out(9)}
id-chemo-out OBJECT IDENTIFIER ::= {id-symbols chemo-out(10)}
id-radio-out OBJECT IDENTIFIER ::= {id-symbols radio-out(11)}
id-calor-out OBJECT IDENTIFIER ::= {id-symbols calor-out(12)}
                id-safe OBJECT IDENTIFIER::= {id-symbols safe(13)}
                id-thresholds OBJECT IDENTIFIER ::= {id-symbols thresholds(14)}
```

```
-- In addition object identifier values are allocated with all
             -- values of "<x>" from 1 to 4095 in the following:
             -- id-comb<x> OBJECT IDENTIFIER ::={id-symbol-comb <x>}
             -- Example:
             id-comb2307 OBJECT IDENTIFIER ::= {id-symbol-comb 2307}
-- *2* OID-IRI or RELATIVE-OID-IRI allocations specific to ITU-T X.1082
                   These are all relative to iri-hum-phys
-- *2.1* OID-IRIs for symbols
            iri-symbols RELATIVE-OID-IRI ::= "Symbols"
             iri-tango-in RELATIVE-OID-IRI ::= "Symbols/Tango in"
             iri-video-in RELATIVE-OID-IRI ::= "Symbols/Video_in"
             iri-audio-in RELATIVE-OID-IRI ::= "Symbols/Audio_in"
             iri-chemo-in RELATIVE-OID-IRI ::= "Symbols/Chemo_in"
             iri-radio-in RELATIVE-OID-IRI ::= "Symbols/Radio in"
             iri-calor-in RELATIVE-OID-IRI ::= "Symbols/Calor in"
             iri-tango-out RELATIVE-OID-IRI ::= "Symbols/Tango out"
             iri-video-out RELATIVE-OID-IRI ::= "Symbols/Video_out"
             iri-audio-out RELATIVE-OID-IRI ::= "Symbols/Audio out"
             iri-chemo-out RELATIVE-OID-IRI ::= "Symbols/Chemo out"
             iri-radio-out RELATIVE-OID-IRI ::= "Symbols/Radio_out"
             iri-calor-out RELATIVE-OID-IRI ::= "Symbols/Calor out"
             iri-safe RELATIVE-OID-IRI ::= "Symbols/Safe"
             iri-thresholds RELATIVE-OID-IRI ::= "Symbols/Thresholds"
-- *2.2* OID-IRIs for symbol combinations
             iri-symbol-comb RELATIVE-OID-IRI ::= "Symbol Combinations"
             -- In additon, relative oid-iri values are allocated with all
             -- values of "<x>" from 1 to 4095 in the following:
             -- iri-comb<x> RELATIVE-OID-IRI ::= "Symbol Combinations/<x>"
             -- Example:
             iri-comb2307 RELATIVE-OID-IRI ::= "Symbol-Combinations/2307"
```

END

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