ETSI TR 102 503 V1.19.1 (2025-11)

TECHNICAL REPORT

Lawful Interception (LI);
ASN.1 Object Identifiers in Lawful Interception and Retained data handling Specifications

Reference
RTR/LI-00299

Keywords
ASN.1, object identifier

ETSI

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Foreword

This Technical Report (TR) has been produced by ETSI Technical Committee Lawful Interception (LI).

Modal verbs terminology

In the present document "**should**", "**should not**", "**may**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the ETSI Drafting Rules (Verbal forms for the expression of provisions).

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1 Scope

The present document gives an overview over the relevant Object IDentifiers (OIDs) used in Lawful Interception and Retained data handling specifications of ETSI and other specifications from ITU-T and ISO.

2 References

2.1 Normative references

Normative references are not applicable in the present document.

2.2 Informative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long-term validity.

The following referenced documents may be useful in implementing an ETSI deliverable or add to the reader's understanding, but are not required for conformance to the present document.

[i.1] Void.

[i.2] ETSI ES 201 671: "Lawful Interception (LI); Handover interface for the lawful interception of telecommunications traffic".

[i.3] ETSI TS 101 671: "Lawful Interception (LI); Handover Interface for the lawful interception of telecommunications traffic".

NOTE: ETSI TS 101 671 (V3.15.1) (06-2018) and ETSI ES 201 671 (V3.2.1) (05-2018) are referred as latest published documents now made historical.

[i.4] ETSI TS 133 108: "Universal Mobile Telecommunications System (UMTS); LTE; Digital cellular telecommunications system (Phase 2+) (GSM); 3G security; Handover interface for Lawful Interception (LI) (3GPP TS 33.108)".

NOTE: Some versions of ETSI TS 133 108 are published by 3GPP only and available at https://www.3gpp.org/ftp/Specs/archive/33_series/33.108/. 3GPP TS 33.108 versions are used as references when not yet published as ETSI TS 133 108.

[i.5] ETSI TS 102 232: "Telecommunications security; Lawful Interception (LI); Handover specification for IP delivery".

NOTE: ETSI TS 102 232 is replaced by ETSI TS 102 232-1 [i.13].

[i.6] ETSI TS 102 233: "Lawful Interception (LI); Service specific details for E-mail services".

NOTE: ETSI TS 102 233 is replaced by ETSI TS 102 232-2 [i.14].

[i.7] ETSI TS 102 234: "Lawful Interception (LI); Service-specific details for internet access services".

NOTE: ETSI TS 102 234 is replaced by ETSI TS 102 232-3 [i.15].

[i.8] ETSI TS 102 815: "Lawful Interception (LI); Service-specific details for Layer 2 Lawful Interception".

NOTE: ETSI TS 102 815 is replaced by ETSI TS 102 232-4 [i.16].

[i.9] Recommendation ITU-T X.880: "Information technology - Remote Operations: Concepts, model and notation".

[i.10] ETSI TS 101 909-20-1: "Digital Broadband Cable Access to the Public Telecommunications Network; IP Multimedia Time Critical Services; Part 20: Lawful Interception; Sub-part 1: CMS based Voice Telephony Services".

[i.11] ETSI TS 101 909-20-2: "Digital Broadband Cable Access to the Public Telecommunications Network; IP Multimedia Time Critical Services; Part 20: Lawful Interception; Sub-part 2: Streamed multimedia services".

[i.12] ETSI EN 301 040: "Terrestrial Trunked Radio (TETRA); Security; Lawful Interception (LI) interface".

[i.13] ETSI TS 102 232-1: "Lawful Interception (LI); Handover Interface and Service-Specific Details (SSD) for IP delivery; Part 1: Handover specification for IP delivery".

[i.14] ETSI TS 102 232-2: "Lawful Interception (LI); Handover Interface and Service-Specific Details (SSD) for IP delivery; Part 2: Service-specific details for messaging services".

[i.15] ETSI TS 102 232-3: "Lawful Interception (LI); Handover Interface and Service-Specific Details (SSD) for IP delivery; Part 3: Service-specific details for internet access services".

[i.16] ETSI TS 102 232-4: "Lawful Interception (LI); Handover Interface and Service-Specific Details (SSD) for IP delivery; Part 4: Service-specific details for Layer 2 services".

[i.17] ETSI TS 102 232-5: "Lawful Interception (LI); Handover Interface and Service-Specific Details (SSD) for IP delivery; Part 5: Service-specific details for IP Multimedia Services".

[i.18] ETSI TS 102 232-6: "Lawful Interception (LI); Handover Interface and Service-Specific Details (SSD) for IP delivery; Part 6: Service-specific details for PSTN/ISDN services".

[i.19] ETSI TS 102 657: "Lawful Interception (LI); Retained data handling; Handover Interface for the request and delivery of retained data".

[i.20] ETSI TS 103 462: "Lawful Interception (LI); Inter LEMF Handover Interface".

[i.21] ETSI TS 133 128: "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Security; Protocol and procedures for Lawful Interception (LI); Stage 3 (3GPP TS 33.128)".

NOTE: Some versions of ETSI TS 133 128 are published by 3GPP only and available at https://www.3gpp.org/ftp/Specs/archive/33_series/33.128/. 3GPP TS 33.128 versions are used as references when not yet published as ETSI TS 133 128.

3 Definition of terms, symbols and abbreviations

3.1 Terms

For the purposes of the present document, the following terms apply:

common domain: set of objects, which are part of the definition of a protocol or a set of related protocols

information object: well-defined piece of information, definition, or specification, which requires a name in order to identify its use in an instance of communication

Object IDentifier (OID): value (distinguishable from all other such values), which is associated with an information object

NOTE: An object identifier consists of a sequence of integers. Each integer represents a node in the object identifier tree. So, each successive integer can be thought of as a selection of an end of a branch of the tree. The branch is traversed to get to the next level in the tree.

3.2 Symbols

Void.

3.3 Abbreviations

For the purposes of the present document, the following abbreviations apply:

ASN.1	Abstract Syntax Notation One
AT-D	Access and Terminals - Digital
CR	Change Request
EP	ETSI Project
LI	Lawful Interception
OID	Object IDentifier
ROSE	Remote Operation Service Element
TC	Technical Committee
TETRA	TErrestrial Trunked RAdio

4 Structure of the ETSI domain

4.1 Tree structure

Figure 1 contains the structure for the ETSI domain with the included Lawful Intercept and Retained data handling domain and ASN.1 modules from other Lawful Interception (LI) specifications.

ETSI/TC LI will act as the formal registration authority for the Lawful Intercept and Retained data handling domain, except for the "threeGPP(4)" subdomain which is administrated by 3GPP/SA3-LI, ETSI/TC AT-D is responsible for the "ts101909(1909)" subdomain and ETSI/EP TETRA is responsible for the "en301040(1040)" subdomain.

4.2 Description of the ETSI domain

Tables 1 to 5 contain the OIDs of the ETSI domain. The entries in the last column in the tables point to the specification where the modules can be found.

For information, in addition to those OIDs defined within ETSI/TC LI, table 6 contains the OIDs for the ROSE operations. Because of the imports, the ASN.1 modules of ROSE will be included when syntax checking or compiling the LI specific ASN.1 modules.

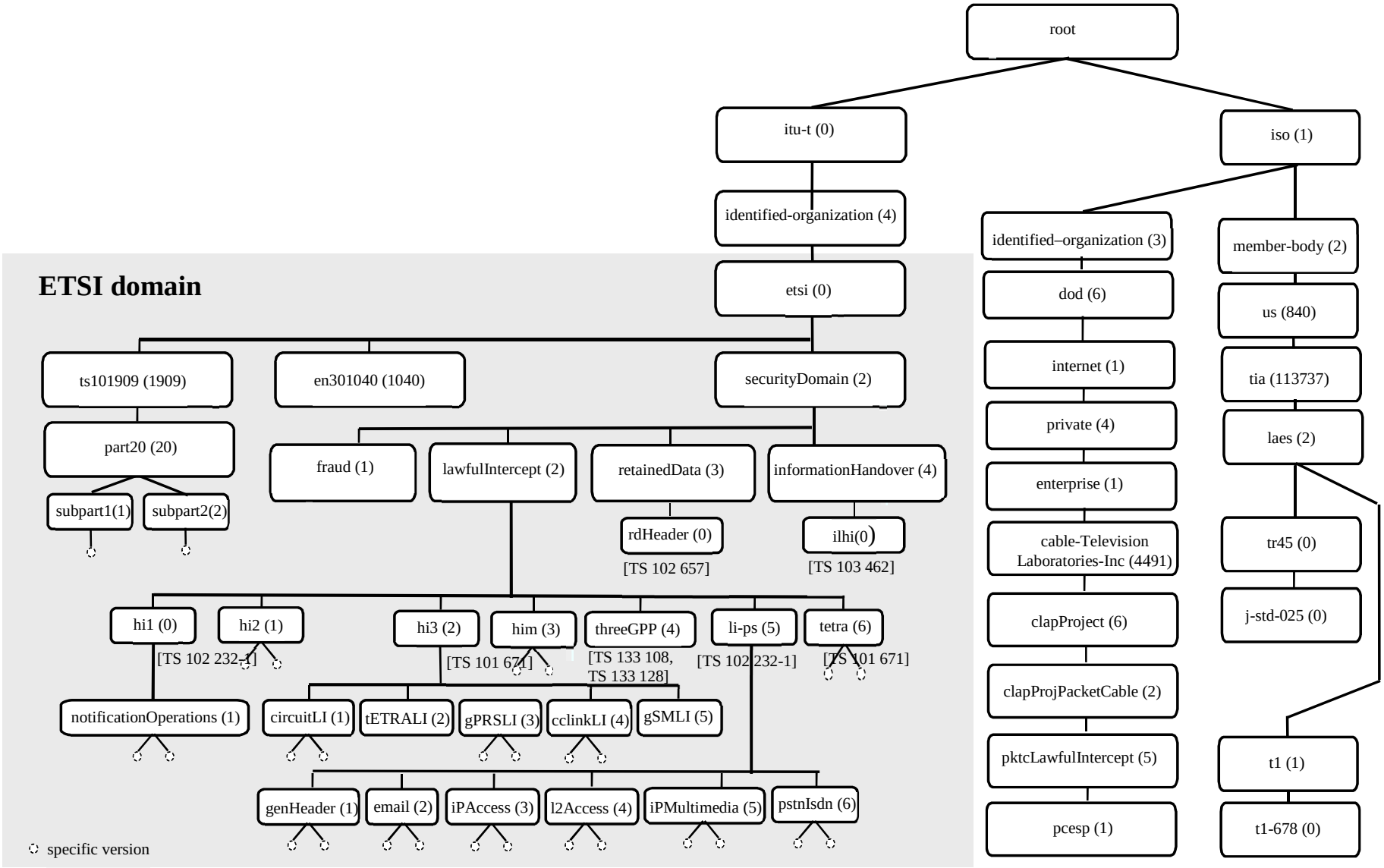

Figure 1: Tree structure of ETSI domain

Table 1: OIDs of the ETSI Lawful Intercept domain

Object IDentifier								Specification
itu-t (0)	identified-organizations(4)	etsi(0)	securityDomain(2)					ETSI TR 102 503 V1.19.1 (the present document)
				fraud(1)				ETSI ES 201 671 [i.2], V1.1.1 clause A.4
				lawfulIntercept(2)	hi1(0)	notification Operations (1)	version1(1) version2(2) version3(3) version4(4) version5(5) version6(6) version7(7)	ETSI ES 201 671 [i.2], V1.1.1 clause A.4 ETSI ES 201 671 [i.2], V2.1.1 clause D.4 ETSI TS 101 671 [i.3], V2.9.1 clause D.4 ETSI TS 101 671 [i.3], V2.11.1 clause D.4 ETSI TS 101 671 [i.3], V2.12.1 clause D.4 ETSI TS 101 671 [i.3], V3.3.1 clause D.4 ETSI TS 102 232-1 [i.13], V3.31.1 clause A.2
					hi2(1)	version1(1) version2(2) version3(3) version4(4) version5(5) version6(6) version7(7) version8(8) version9(9) version10(10) version11(11) version12(12) version13(13) version14(14) version15(15) version16(16) version17(17) version18(18)	ETSI ES 201 671 [i.2], V1.1.1 clause A.5 ETSI ES 201 671 [i.2], V2.1.1 clause D.5 ETSI TS 101 671 [i.3], V2.5.1 clause D.5 ETSI TS 101 671 [i.3], V2.7.1 clause D.5 ETSI TS 101 671 [i.3], V2.9.1 clause D.5 ETSI TS 101 671 [i.3], V2.10.1 clause D.5 ETSI TS 101 671 [i.3], V2.11.1 clause D.5 ETSI TS 101 671 [i.3], V2.12.1 clause D.5 ETSI TS 101 671 [i.3], V2.13.1 clause D.5 ETSI TS 101 671 [i.3], V2.14.1 clause D.5 ETSI TS 101 671 [i.3], V3.5.1 clause D.5 ETSI TS 101 671 [i.3], V3.6.1 clause D.5 ETSI TS 101 671 [i.3], V3.7.1 clause D.5 ETSI TS 101 671 [i.3], V3.8.1 clause D.5 ETSI TS 101 671 [i.3], V3.9.1 clause D.5 ETSI TS 101 671 [i.3], V3.10.1 clause D.5 ETSI TS 101 671 [i.3], V3.11.1 clause D.5 ETSI TS 102 232-1 [i.13], V3.31.1 clause A.2
					hi3(2)	circuitLI(1)	version1(1) version2(2) version3(3) version4(4)	ETSI ES 201 671 [i.2], V1.1.1 clause A.6 ETSI ES 201 671 [i.2], V2.1.1 clause D.6 ETSI TS 101 671 [i.3], V2.12.1 clause D.6 ETSI TS 101 671 [i.3], V3.7.1 clause D.6
						tETRALI(2)	version1(1)	ETSI ES 201 671 [i.2], V1.1.1 clause A.7 For Further Study
						gPRSLI(3)	version1(1) version2(2) version3(3)	ETSI ES 201 671 [i.2], V1.1.1 clause A.8 ETSI TS 101 671 [i.3], V2.10.1 clause D.9 ETSI TS 101 671 [i.3], V2.12.1 clause D.9
						cclinkLI(4)	version1(1) version2(2) version3(3) version4(4)	ETSI ES 201 671 [i.2], V1.1.1 clause A.9 ETSI ES 201 671 [i.2], V2.1.1 clause D.8 ETSI TS 101 671 [i.3], V2.7.1 clause D.8 ETSI TS 101 671 [i.3], V2.12.1 clause D.8
						gSMLI(5)		ETSI ES 201 671 [i.2], V2.1.1 clause D.2 For Further Study

Object IDentifier									Specification
itu-t (0)	identified-organizations(4)	etsi(0)	securityDomain(2)	lawfulIntercept(2)	him(3)	version1(1) version2(2) version3(3)			ETSI ES 201 671 [i.2], V1.1.1 clause A.3 ETSI ES 201 671 [i.2], V2.1.1 clause D.3 ETSI TS 101 671 [i.3], V2.12.1 clause D.3
					threeGPP (4)	hi1(0)	r12(12)	version-0(0) version-1(1) version-2(2)	3GPP TS 33.108 [i.4], V12.7.0 clause M.2 3GPP TS 33.108 [i.4], V12.8.0 clause M.2 3GPP TS 33.108 [i.4], V12.11.0 clause M.2
							r13(13)	version-0(0) version-1(1)	3GPP TS 33.108 [i.4], V13.2.0 clause M.2 3GPP TS 33.108 [i.4], V13.4.0 clause M.2
							r16(16)	version-0(0) version-1(1)	3GPP TS 33.108 [i.4], V16.0.0 clause M.2 3GPP TS 33.108 [i.4], V16.4.0 clause M.2
						hi2(1)	version-1(1) version-2(2)		3GPP TS 33.108 [i.4], V5.0.0 clause B.3 3GPP TS 33.108 [i.4], V6.0.0 clause B.3
							r5(5)	version-3(3) version-4(4)	3GPP TS 33.108 [i.4], V5.7.0 clause B.3 3GPP TS 33.108 [i.4], V5.8.0 clause B.3
							r6(6)	version-3(3) version-4(4) version-5(5) version-6(6)	3GPP TS 33.108 [i.4], V6.5.0 clause B.3 3GPP TS 33.108 [i.4], V6.6.0 clause B.3 3GPP TS 33.108 [i.4], V6.7.0 clause B.3 3GPP TS 33.108 [i.4], V6.8.0 clause B.3
							r7(7)	version-1(1) version-2(2) version-3(3)	3GPP TS 33.108 [i.4], V7.2.0 clause B.3 3GPP TS 33.108 [i.4], V7.3.0 clause B.3 3GPP TS 33.108 [i.4], V7.8.0 clause B.3
							r8(8)	version-1(1)	3GPP TS 33.108 [i.4], V8.0.0 clause B.3
							r10(10)	version-1(1) version-2(2) version-3(3)	3GPP TS 33.108 [i.4], V10.0.0 clause B.3 3GPP TS 33.108 [i.4], V10.2.0 clause B.3 3GPP TS 33.108 [i.4], V10.3.0 clause B.3
							r11(11)	version-0(0)	3GPP TS 33.108 [i.4], V11.3.0 clause B.3
							r12(12)	version-0(0) version-1(1) version-2(2) version-3(3) version-4(4) version-5(5) version-6(6) version-7(7) version-8(8) version-9(9)	3GPP TS 33.108 [i.4], V12.1.0 clause B.3 3GPP TS 33.108 [i.4], V12.2.0 clause B.3 3GPP TS 33.108 [i.4], V12.3.0 clause B.3 3GPP TS 33.108 [i.4], V12.4.0 clause B.3 3GPP TS 33.108 [i.4], V12.5.0 clause B.3 3GPP TS 33.108 [i.4], V12.6.0 clause B.3 3GPP TS 33.108 [i.4], V12.7.0 clause B.3 3GPP TS 33.108 [i.4], V12.8.0 clause B.3 3GPP TS 33.108 [i.4], V12.9.0 clause B.3 3GPP TS 33.108 [i.4], V12.11.0 clause B.3
							r13(13)	version-0(0) version-1(1)	3GPP TS 33.108 [i.4], V13.0.0 clause B.3 3GPP TS 33.108 [i.4], V13.2.0 clause B.3
							r14(14)	version-0(0) version-1(1) version-2(2)	3GPP TS 33.108 [i.4], V14.0.0 clause B.3 3GPP TS 33.108 [i.4], V14.1.0 clause B.3 3GPP TS 33.108 [i.4], V14.5.0 clause B.3

Object IDentifier									Specification
						hi2wlan(6)	r16(16)	version-0(0)	3GPP TS 33.108 [i.4], V16.0.0 clause B.7

Object IDentifier									Specification
						hi2mbms(7)	r8(8)	version1(0)	3GPP TS 33.108 [i.4], V8.4.0 clause B.8
							r12(12)	version1(0)	3GPP TS 33.108 [i.4], V12.10.0 clause B.8
							r16(16)	version0(0)	3GPP TS 33.108 [i.4], V16.0.0 clause B.8
						hi2eps(8)	r8(8)	version-3(3)	3GPP TS 33.108 [i.4], V8.4.0 clause B.9
							r10(10)	version-1(1)	3GPP TS 33.108 [i.4], V10.0.0 clause B.9
								version-2(2)	3GPP TS 33.108 [i.4], V10.0.0 clause B.9
								version-3(3)	3GPP TS 33.108 [i.4], V10.0.0 clause B.9
							r11(11)	version-0(0)	3GPP TS 33.108 [i.4], V11.1.0 clause B.9
								version-1(1)	3GPP TS 33.108 [i.4], V11.2.0 clause B.9
								version-2(2)	3GPP TS 33.108 [i.4], V11.3.0 clause B.9
								version-3(3)	3GPP TS 33.108 [i.4], V11.4.0 clause B.9
							r12(12)	version-0(0)	3GPP TS 33.108 [i.4], V12.0.0 clause B.9
								version-1(1)	3GPP TS 33.108 [i.4], V12.1.0 clause B.9
								version-2(2)	3GPP TS 33.108 [i.4], V12.2.0 clause B.9
								version-3(3)	3GPP TS 33.108 [i.4], V12.3.0 clause B.9
								version-4(4)	3GPP TS 33.108 [i.4], V12.4.0 clause B.9
								version-55(55)	3GPP TS 33.108 [i.4], V12.5.0 clause B.9
								version-56(56)	3GPP TS 33.108 [i.4], V12.6.0 clause B.9
								version-57(57)	3GPP TS 33.108 [i.4], V12.7.0 clause B.9
								version-58(58)	3GPP TS 33.108 [i.4], V12.8.0 clause B.9
								version-59(59)	3GPP TS 33.108 [i.4], V12.9.0 clause B.9
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							r13(13)	version-0(0)	3GPP TS 33.108 [i.4], V13.0.0 clause B.9
								version-1(1)	3GPP TS 33.108 [i.4], V13.1.0 clause B.9
								version-2(2)	3GPP TS 33.108 [i.4], V13.2.0 clause B.9
								version-3(3)	3GPP TS 33.108 [i.4], V13.4.0 clause B.9
							r14(14)	version-0(0)	3GPP TS 33.108 [i.4], V14.0.0 clause B.9
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								version- 2(2)	3GPP TS 33.108 [i.4], V14.4.0 clause B.9
								version- 3(3)	3GPP TS 33.108 [i.4], V14.5.0 clause B.9
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								version-1(1)	3GPP TS 33.108 [i.4], V15.2.0 clause B.9
								version-2(2)	3GPP TS 33.108 [i.4], V15.3.0 clause B.9
								version-3(3)	3GPP TS 33.108 [i.4], V15.4.0 clause B.9
								version-4(4)	3GPP TS 33.108 [i.4], V15.5.0 clause B.9
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							r12(12)	version-0(0)	3GPP TS 33.108 [i.4], V12.6.0 clause B.10
							r16(16)	version-0(0)	3GPP TS 33.108 [i.4], V16.5.0 clause B.10
							r17(17)	version-0(0)	3GPP TS 33.108 [i.4], V17.1.0 clause B.10
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								version-1(1)	3GPP TS 33.108 [i.4], V8.12.0 clause B.11.1

Object IDentifier									Specification
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							r13(13)	version-0(0)	3GPP TS 33.108 [i.4], V13.4.0 clause B.11.1
							r16(16)	version-0(0)	3GPP TS 33.108 [i.4], V16.0.0 clause B.11.1
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								version-2(2)	3GPP TS 33.108 [i.4], V10.2.0 clause B.11.2
							r10(10)	version-1(1)	3GPP TS 33.108 [i.4], V10.3.0 clause B.11.2
							r11(11)	version-0(0)	3GPP TS 33.108 [i.4], V11.3.0 clause B.11.2
							r12(12)	version-0(0)	3GPP TS 33.108 [i.4], V12.7.0 clause B.11.2
								version-1(1)	3GPP TS 33.108 [i.4], V12.9.0 clause B.11.2
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							r13(13)	version-0(0)	3GPP TS 33.108 [i.4], V13.1.0 clause B.12
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							r14(14)	version-0(0)	3GPP TS 33.108 [i.4], V14.3.0 clause B.12
							r15(15)	version-1(1)	3GPP TS 33.108 [i.4], V15.6.0 clause B.12
							r16(16)	version-0(0)	3GPP TS 33.108 [i.4], V16.5.0 clause B.12
							r17(17)	version-0(0)	3GPP TS 33.108 [i.4], V17.1.0 clause B.12
					threeGPP (4)	hi2gcse(13)	r12(12)	version-1(1)	3GPP TS 33.108 [i.4], V12.7.0 clause B.14.1
								version-2(2)	3GPP TS 33.108 [i.4], V12.8.0 clause B.14.1
							r13(13)	version-0(0)	3GPP TS 33.108 [i.4], V13.2.0 clause B.14.1
							r15(15)	version-0(0)	3GPP TS 33.108 [i.4], V15.3.0 clause B.14.1
							r16(16)	version-0(0)	3GPP TS 33.108 [i.4], V16.0.0 clause B.14.1
						hi3gcse(14)	r12(12)	version-0(0)	3GPP TS 33.108 [i.4], V12.7.0 clause B.14.2
							r13(13)	version-0(0)	3GPP TS 33.108 [i.4], V13.2.0 clause B.14.2
							r16(16)	version-0(0)	3GPP TS 33.108 [i.4], V16.5.0 clause B.14.2
							r17(17)	version-0(0)	3GPP TS 33.108 [i.4], V17.1.0 clause B.14.2
						hi2prose(15)	r12(12)	version1(1)	3GPP TS 33.108 [i.4], V12.7.0 clause B.13
							r13(13)	version0(0)	3GPP TS 33.108 [i.4], V13.2.0 clause B.13
							r16(16)	version0(0)	3GPP TS 33.108 [i.4], V16.0.0 clause B.13
						hi2mms(16)	r14(14)	version-0(0)	3GPP TS 33.108 [i.4], V14.0.0 clause B.15
								version-1(1)	3GPP TS 33.108 [i.4], V14.1.0 clause B.15
							r15(15)	version-0(0)	3GPP TS 33.108 [i.4], V15.3.0 clause B.15
							r16(16)	version-0(0)	3GPP TS 33.108 [i.4], V16.0.0 clause B.15
						hi3mms(17)	r14(14)	version-0(0)	3GPP TS 33.108 [i.4], V14.0.0 clause B.16
							r16(16)	version-0(0)	3GPP TS 33.108 [i.4], V16.0.0 clause B.16
						hi3CSvoice(18)	r14(14)	version-0(0)	3GPP TS 33.108 [i.4], V14.3.0 clause B.17
							r16(16)	version-0(0)	3GPP TS 33.108 [i.4], V16.5.0 clause B.17
							r17(17)	version-0(0)	3GPP TS 33.108 [i.4], V17.1.0 clause B.17
						ts33128(19)	r15(15)	version0(0)	3GPP TS 33.128 [i.21], V15.0.0 annex A

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								version1(1)	3GPP TS 33.128 [i.21], V15.1.0 annex A
								version2(2)	3GPP TS 33.128 [i.21], V15.4.0 annex A
								version3(3)	3GPP TS 33.128 [i.21], V15.5.0 annex A
								version4(4)	3GPP TS 33.128 [i.21], V15.6.0 annex A
								version5(5)	3GPP TS 33.128 [i.21], V15.10.0 annex A
								version6(6)	3GPP TS 33.128 [i.21], V15.12.0 annex A
								version7(7)	3GPP TS 33.128 [i.21], V15.13.0 annex A
							r16(16)	version0(0)	3GPP TS 33.128 [i.21], V16.0.0 annex A
								version1(1)	3GPP TS 33.128 [i.21], V16.2.0 annex A
								version2(2)	3GPP TS 33.128 [i.21], V16.3.0 annex A
								version3(3)	3GPP TS 33.128 [i.21], V16.4.0 annex A
								version4(4)	3GPP TS 33.128 [i.21], V16.5.0 annex A
								version5(5)	3GPP TS 33.128 [i.21], V16.6.0 annex A
								version6(6)	3GPP TS 33.128 [i.21], V16.7.0 annex A
								version7(7)	3GPP TS 33.128 [i.21], V16.8.0 annex A
								version8(8)	3GPP TS 33.128 [i.21], V16.9.0 annex A
								version9(9)	3GPP TS 33.128 [i.21], V16.10.0 annex A
								version10(10)	3GPP TS 33.128 [i.21], V16.11.0 annex A
								version11(11)	3GPP TS 33.128 [i.21], V16.12.0 annex A
								version12(12)	3GPP TS 33.128 [i.21], V16.13.0 annex A
								version13(13)	3GPP TS 33.128 [i.21], V16.15.0 annex A
								version14(14)	3GPP TS 33.128 [i.21], V16.16.0 annex A
								version15(15)	3GPP TS 33.128 [i.21], V16.17.0 annex A
								version16(16)	3GPP TS 33.128 [i.21], V16.18.0 annex A
								version17(17)	3GPP TS 33.128 [i.21], V16.20.0 annex A
							r17(17)	version0(0)	3GPP TS 33.128 [i.21], V17.1.0 annex A
								version1(1)	3GPP TS 33.128 [i.21], V17.2.0 annex A
								version2(2)	3GPP TS 33.128 [i.21], V17.3.0 annex A
								version3(3)	3GPP TS 33.128 [i.21], V17.4.0 annex A
								version4(4)	3GPP TS 33.128 [i.21], V17.5.0 annex A
								version5(5)	3GPP TS 33.128 [i.21], V17.6.0 annex A
								version6(6)	3GPP TS 33.128 [i.21], V17.7.0 annex A
								version7(7)	3GPP TS 33.128 [i.21], V17.8.0 annex A
								version8(8)	3GPP TS 33.128 [i.21], V17.9.0 annex A
								version9(9)	3GPP TS 33.128 [i.21], V17.10.0 annex A
								version10(10)	3GPP TS 33.128 [i.21], V17.11.0 annex A
								version11(11)	3GPP TS 33.128 [i.21], V17.12.0 annex A
								version12(12)	3GPP TS 33.128 [i.21], V17.14.0 annex A
								version13(13)	3GPP TS 33.128 [i.21], V17.16.0 annex A
								version14(14)	3GPP TS 33.128 [i.21], V17.17.0 annex A
								version15(15)	3GPP TS 33.128 [i.21], V17.18.0 annex A
							r18(18)	version0(0)	3GPP TS 33.128 [i.21], V18.0.0 annex A
								version1(1)	3GPP TS 33.128 [i.21], V18.1.0 annex A
								version2(2)	3GPP TS 33.128 [i.21], V18.2.0 annex A

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								version3(3)	3GPP TS 33.128 [i.21], V18.3.0 annex A
								version4(4)	3GPP TS 33.128 [i.21], V18.4.0 annex A
								version5(5)	3GPP TS 33.128 [i.21], V18.5.0 annex A
								version6(6)	3GPP TS 33.128 [i.21], V18.6.0 annex A
								version7(7)	3GPP TS 33.128 [i.21], V18.7.0 annex A
								version8(8)	3GPP TS 33.128 [i.21], V18.8.0 annex A
								version9(9)	3GPP TS 33.128 [i.21], V18.9.1 annex A
								version10(10)	3GPP TS 33.128 [i.21], V18.10.0 annex A
								version11(11)	3GPP TS 33.128 [i.21], V18.11.0 annex A
								version12(12)	3GPP TS 33.128 [i.21], V18.12.0 annex A
								version13(13)	3GPP TS 33.128 [i.21], V18.13.0 annex A
							r19(19)	version0(0)	3GPP TS 33.128 [i.21], V19.0.1 annex A
								version1(1)	3GPP TS 33.128 [i.21], V19.1.0 annex A
								version2(2	3GPP TS 33.128 [i.21], V19.2.0 annex A
								version3(3)	3GPP TS 33.128 [i.21], V19.3.0 annex A
								version4(4)	3GPP TS 33.128 [i.21], V19.4.0 annex A
						tS33128Identity Association(20)	r16(16)	version1(1)	3GPP TS 33.128 [i.21], V16.5.0 annex F
								version2(2)	3GPP TS 33.128 [i.21], V16.6.0 annex F
							r17(17)	version0(0)	3GPP TS 33.128 [i.21], V17.3.0 annex F
								version1(1)	3GPP TS 33.128 [i.21], V18.7.0 annex F
							r18(18)	version0(0)	3GPP TS 33.128 [i.21], V18.13.0 annex F

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					li-ps(5)	genHeader(1)	version1(1)		ETSI TS 102 232 [i.5], V1.1.1 clause A.2
							version2(2)		ETSI TS 102 232 [i.5], V1.2.1 clause A.2
							version3(3)		ETSI TS 102 232 [i.5], V1.3.1 clause A.2
							version4(4)		ETSI TS 102 232 [i.5], V1.4.1 clause A.2
							version5(5)		ETSI TS 102 232 [i.5], V1.5.1 clause A.2
							version6(6)		ETSI TS 102 232-1 [i.13], V2.1.1 clause A.2
							version7(7)		ETSI TS 102 232-1 [i.13], V2.2.1 clause A.2
							version8(8)		ETSI TS 102 232-1 [i.13], V2.3.1 clause A.2
							version9(9)		ETSI TS 102 232-1 [i.13], V2.4.1 clause A.2
							version10(10)		ETSI TS 102 232-1 [i.13], V2.5.1 clause A.2
							version11(11)		ETSI TS 102 232-1 [i.13], V2.6.1 clause A.2
							version12(12)		ETSI TS 102 232-1 [i.13], V2.7.1 clause A.2
							version13(13)		ETSI TS 102 232-1 [i.13], V3.1.1 clause A.2
							version14(14)		ETSI TS 102 232-1 [i.13], V3.2.1 clause A.2
							version15(15)		ETSI TS 102 232-1 [i.13], V3.3.1 clause A.2
							version16(16)		ETSI TS 102 232-1 [i.13], V3.4.1 clause A.2
							version17(17)		ETSI TS 102 232-1 [i.13], V3.5.1 clause A.2
							version18(18)		ETSI TS 102 232-1 [i.13], V3.6.1 clause A.2
							version19(19)		ETSI TS 102 232-1 [i.13], V3.7.1 clause A.2
							version20(20)		ETSI TS 102 232-1 [i.13], V3.8.1 clause A.2
							version21(21)		ETSI TS 102 232-1 [i.13], V3.9.1 clause A.2
							version22(22)		ETSI TS 102 232-1 [i.13], V3.10.1 clause A.2
							version23(23)		ETSI TS 102 232-1 [i.13], V3.11.1 clause A.2
							version24(24)		ETSI TS 102 232-1 [i.13], V3.12.1 clause A.2
							version25(25)		ETSI TS 102 232-1 [i.13], V3.13.1 clause A.2
							version26(26)		ETSI TS 102 232-1 [i.13], V3.15.1 clause A.2
							version27(27)		ETSI TS 102 232-1 [i.13], V3.16.1 clause A.2
							version28(28)		ETSI TS 102 232-1 [i.13], V3.17.1 clause A.2
							version29(29)		ETSI TS 102 232-1 [i.13], V3.19.1 clause A.2
							version30(30)		ETSI TS 102 232-1 [i.13], V3.20.1 clause A.2
							version31(31)		ETSI TS 102 232-1 [i.13], V3.22.1 clause A.2
							version32(32)		ETSI TS 102 232-1 [i.13], V3.24.1 clause A.2
							version33(33)		ETSI TS 102 232-1 [i.13], V3.26.1 clause A.2
							version34(34)		ETSI TS 102 232-1 [i.13], V3.27.1 clause A.2
							version35(35)		ETSI TS 102 232-1 [i.13], V3.29.1 clause A.2
							version36(36)		ETSI TS 102 232-1 [i.13], V3.30.1 clause A.2
							version37(37)		ETSI TS 102 232-1 [i.13], V3.31.1 clause A.2
							version38(38)		ETSI TS 102 232-1 [i.13], V3.32.1 clause A.2
							version39(39)		ETSI TS 102 232-1 [i.13], V3.33.1 clause A.2
							version40(40)		ETSI TS 102 232-1 [i.13], V3.34.1 clause A.2
							version41(41)		ETSI TS 102 232-1 [i.13], V3.35.1 clause A.2
							version1(1)	iRI(1) cC(2)	ETSI TS 102 233 [i.6], V1.1.1 annex D ETSI TS 102 233 [i.6], V1.1.1 annex D ETSI TS 102 232-2 [i.14], V2.1.1 annex D
							version2(2)	iRI(1)	ETSI TS 102 233 [i.6], V1.2.1 annex D

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						email(2)	version3(3)	iRI(1)	ETSI TS 102 233 [i.6], V1.3.1 annex D ETSI TS 102 232-2 [i.14], V2.1.1 annex D
							version4(4)	iRI(1)	ETSI TS 102 232-2 [i.14], V2.3.1 annex D
							version5(5)	iRI(1) cC(2)	ETSI TS 102 232-2 [i.14], V2.5.1 annex D ETSI TS 102 232-2 [i.14], V2.5.1 annex D
							version6(6)	iRI(1) cC(2)	ETSI TS 102 232-2 [i.14], V2.6.1 annex D ETSI TS 102 232-2 [i.14], V2.6.1 annex D
							version7(7)	iRI(1) cC(2) messagingIRI(3) messagingCC(4)	ETSI TS 102 232-2 [i.14], V3.1.1 annex D ETSI TS 102 232-2 [i.14], V3.1.1 annex D ETSI TS 102 232-2 [i.14], V3.1.1 annex D ETSI TS 102 232-2 [i.14], V3.1.1 annex D
							version8(8)	iRI(1) cC(2) messagingIRI(3) messagingCC(4)	ETSI TS 102 232-2 [i.14], V3.2.1 annex D ETSI TS 102 232-2 [i.14], V3.2.1 annex D ETSI TS 102 232-2 [i.14], V3.2.1 annex D ETSI TS 102 232-2 [i.14], V3.2.1 annex D
							version9(9)	iRI(1) cC(2) messagingIRI(3) messagingCC(4)	ETSI TS 102 232-2 [i.14], V3.3.1 annex D ETSI TS 102 232-2 [i.14], V3.3.1 annex D ETSI TS 102 232-2 [i.14], V3.3.1 annex D ETSI TS 102 232-2 [i.14], V3.3.1 annex D
							version10(10)	iRI(1) cC(2) messagingIRI(3) messagingCC(4)	ETSI TS 102 232-2 [i.14], V3.4.1 annex D ETSI TS 102 232-2 [i.14], V3.4.1 annex D ETSI TS 102 232-2 [i.14], V3.4.1 annex D ETSI TS 102 232-2 [i.14], V3.4.1 annex D
							version11(11)	iRI(1) cC(2) messagingIRI(3) messagingCC(4)	ETSI TS 102 232-2 [i.14], V3.5.1 annex D ETSI TS 102 232-2 [i.14], V3.5.1 annex D ETSI TS 102 232-2 [i.14], V3.5.1 annex D ETSI TS 102 232-2 [i.14], V3.5.1 annex D
							version12(12)	iRI(1) cC(2) messagingIRI(3) messagingCC(4) messagingMMCC(5)	ETSI TS 102 232-2 [i.14], V3.6.1 annex D ETSI TS 102 232-2 [i.14], V3.6.1 annex D ETSI TS 102 232-2 [i.14], V3.6.1 annex D ETSI TS 102 232-2 [i.14], V3.6.1 annex D ETSI TS 102 232-2 [i.14], V3.6.1 annex D
							version13(13)	iRI(1) cC(2) messagingIRI(3) messagingCC(4) messagingMMCC(5)	ETSI TS 102 232-2 [i.14], V3.7.1 annex D ETSI TS 102 232-2 [i.14], V3.7.1 annex D ETSI TS 102 232-2 [i.14], V3.7.1 annex D ETSI TS 102 232-2 [i.14], V3.7.1 annex D ETSI TS 102 232-2 [i.14], V3.7.1 annex D
							version14(14)	iRI(1) cC(2) messagingIRI(3) messagingCC(4) messagingMMCC(5)	ETSI TS 102 232-2 [i.14], V3.8.1 annex D ETSI TS 102 232-2 [i.14], V3.8.1 annex D ETSI TS 102 232-2 [i.14], V3.8.1 annex D ETSI TS 102 232-2 [i.14], V3.8.1 annex D ETSI TS 102 232-2 [i.14], V3.8.1 annex D

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							version15(15)	iRI(1) cC(2) messagingIRI(3) messagingCC(4) messagingMMCC(5)	ETSI TS 102 232-2 [i.14], V3.9.1 annex D ETSI TS 102 232-2 [i.14], V3.9.1 annex D ETSI TS 102 232-2 [i.14], V3.9.1 annex D ETSI TS 102 232-2 [i.14], V3.9.1 annex D ETSI TS 102 232-2 [i.14], V3.9.1 annex D
							version16(16)	iRI(1) cC(2) messagingIRI(3) messagingCC(4) messagingMMCC(5)	ETSI TS 102 232-2 [i.14], V3.10.1 annex D ETSI TS 102 232-2 [i.14], V3.10.1 annex D ETSI TS 102 232-2 [i.14], V3.10.1 annex D ETSI TS 102 232-2 [i.14], V3.10.1 annex D ETSI TS 102 232-2 [i.14], V3.10.1 annex D
							version17(17)	iRI(1) cC(2) messagingIRI(3) messagingCC(4) messagingMMCC(5)	ETSI TS 102 232-2 [i.14], V3.11.1 annex D ETSI TS 102 232-2 [i.14], V3.11.1 annex D ETSI TS 102 232-2 [i.14], V3.11.1 annex D ETSI TS 102 232-2 [i.14], V3.11.1 annex D ETSI TS 102 232-2 [i.14], V3.11.1 annex D
							version18(18)	iRI(1) cC(2) messagingIRI(3) messagingCC(4) messagingMMCC(5)	ETSI TS 102 232-2 [i.14], V3.13.1 annex D ETSI TS 102 232-2 [i.14], V3.13.1 annex D ETSI TS 102 232-2 [i.14], V3.13.1 annex D ETSI TS 102 232-2 [i.14], V3.13.1 annex D ETSI TS 102 232-2 [i.14], V3.13.1 annex D
							version19(19)	iRI(1) cC(2) messagingIRI(3) messagingCC(4) messagingMMCC(5)	ETSI TS 102 232-2 [i.14], V3.14.1 annex D ETSI TS 102 232-2 [i.14], V3.14.1 annex D ETSI TS 102 232-2 [i.14], V3.14.1 annex D ETSI TS 102 232-2 [i.14], V3.14.1 annex D ETSI TS 102 232-2 [i.14], V3.14.1 annex D
							version20(20)	iRI(1) cC(2) messagingIRI(3) messagingCC(4) messagingMMCC(5)	ETSI TS 102 232-2 [i.14], V3.16.1 annex D ETSI TS 102 232-2 [i.14], V3.16.1 annex D ETSI TS 102 232-2 [i.14], V3.16.1 annex D ETSI TS 102 232-2 [i.14], V3.16.1 annex D ETSI TS 102 232-2 [i.14], V3.16.1 annex D
						iPAccess(3)	version1(1)	iRI(1) cC(2) iRIOnly(3)	ETSI TS 102 234 [i.7], V1.1.1 clause 8 ETSI TS 102 234 [i.7], V1.1.1 clause 8 ETSI TS 102 234 [i.7], V1.1.1 clause 8
							version2(2)	iRI(1) cC(2) iRIOnly(3)	ETSI TS 102 234 [i.7], V1.3.1 clause 8 ETSI TS 102 234 [i.7], V1.3.1 clause 8 ETSI TS 102 234 [i.7], V1.3.1 clause 8
							version3(3)	iRI(1) cC(2) iRIOnly(3)	ETSI TS 102 234 [i.7], V1.4.1 clause 8 ETSI TS 102 234 [i.7], V1.4.1 clause 8 ETSI TS 102 234 [i.7], V1.4.1 clause 8

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							version4(4)	iRI(1)	ETSI TS 102 234 [i.7], V1.6.1 clause 8
								cC(2)	ETSI TS 102 234 [i.7], V1.6.1 clause 8
								iRIOnly(3)	ETSI TS 102 234 [i.7], V1.6.1 clause 8
							version5(5)	iRI(1)	ETSI TS 102 232-3 [i.15], V2.1.1 clause 8
								cC(2)	ETSI TS 102 232-3 [i.15], V2.1.1 clause 8
								iRIOnly(3)	ETSI TS 102 232-3 [i.15], V2.1.1 clause 8
itu-t (0)	identified-organizations(4)	etsi(0)	securityDomain(2)	lawfulIntercept(2)	li-ps(5)	iPAccess(3)	version6(6)	iRI(1)	ETSI TS 102 232-3 [i.15], V2.2.1 clause 8
								cC(2)	ETSI TS 102 232-3 [i.15], V2.2.1 clause 8
								iRIOnly(3)	ETSI TS 102 232-3 [i.15], V2.2.1 clause 8
							version7(7)	iRI(1)	ETSI TS 102 232-3 [i.15], V2.3.1 clause 8
								cC(2)	ETSI TS 102 232-3 [i.15], V2.3.1 clause 8
								iRIOnly(3)	ETSI TS 102 232-3 [i.15], V2.3.1 clause 8
							version8(8)	iRI(1)	ETSI TS 102 232-3 [i.15], V3.1.1 clause 8
								cC(2)	ETSI TS 102 232-3 [i.15], V3.1.1 clause 8
								iRIOnly(3)	ETSI TS 102 232-3 [i.15], V3.1.1 clause 8
							version9(9)	iRI(1)	ETSI TS 102 232-3 [i.15], V3.2.1 clause 8
								cC(2)	ETSI TS 102 232-3 [i.15], V3.2.1 clause 8
								iRIOnly(3)	ETSI TS 102 232-3 [i.15], V3.2.1 clause 8
							version10(10)	iRI(1)	ETSI TS 102 232-3 [i.15], V3.3.1 clause 8
								cC(2)	ETSI TS 102 232-3 [i.15], V3.3.1 clause 8
								iRIOnly(3)	ETSI TS 102 232-3 [i.15], V3.3.1 clause 8
							version11(11)	iRI(1)	ETSI TS 102 232-3 [i.15], V3.4.1 clause 8
								cC(2)	ETSI TS 102 232-3 [i.15], V3.4.1 clause 8
								iRIOnly(3)	ETSI TS 102 232-3 [i.15], V3.4.1 clause 8
							version12(12)	iRI(1)	ETSI TS 102 232-3 [i.15], V3.6.1 clause 8
								cC(2)	ETSI TS 102 232-3 [i.15], V3.6.1 clause 8
								iRIOnly(3)	ETSI TS 102 232-3 [i.15], V3.6.1 clause 8
							version13(13)	iRI(1)	ETSI TS 102 232-3 [i.15], V3.7.1 clause 8
								cC(2)	ETSI TS 102 232-3 [i.15], V3.7.1 clause 8
								iRIOnly(3)	ETSI TS 102 232-3 [i.15], V3.7.1 clause 8
							version14(14)	iRI(1)	ETSI TS 102 232-3 [i.15], V3.9.1 clause 8
								cC(2)	ETSI TS 102 232-3 [i.15], V3.9.1 clause 8
								iRIOnly(3)	ETSI TS 102 232-3 [i.15], V3.9.1 clause 8
							version15(15)	iRI(1)	ETSI TS 102 232-3 [i.15], V3.11.1 clause 8
								cC(2)	ETSI TS 102 232-3 [i.15], V3.11.1 clause 8
								iRIOnly(3)	ETSI TS 102 232-3 [i.15], V3.11.1 clause 8
							version16(16)	iRI(1)	ETSI TS 102 232-3 [i.15], V3.12.1 clause 8
								cC(2)	ETSI TS 102 232-3 [i.15], V3.12.1 clause 8
								iRIOnly(3)	ETSI TS 102 232-3 [i.15], V3.12 .1 clause 8
							version17(17)	iRI(1)	ETSI TS 102 232-3 [i.15], V3.13.1 clause 8
								cC(2)	ETSI TS 102 232-3 [i.15], V3.13.1 clause 8
								iRIOnly(3)	ETSI TS 102 232-3 [i.15], V3.13.1 clause 8
							version18(18)	iRI(1)	ETSI TS 102 232-3 [i.15], V3.14.1 clause 8
								cC(2)	ETSI TS 102 232-3 [i.15], V3.14.1 clause 8
								iRIOnly(3)	ETSI TS 102 232-3 [i.15], V3.14.1 clause 8

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							version19(19)	iRI(1) cC(2) iRIOnly(3)	ETSI TS 102 232-3 [i.15], V3.15.1 clause 8 ETSI TS 102 232-3 [i.15], V3.15.1 clause 8 ETSI TS 102 232-3 [i.15], V3.15.1 clause 8
							version20(20)	iRI(1) cC(2) iRIOnly(3)	ETSI TS 102 232-3 [i.15], V3.16.1 clause 8 ETSI TS 102 232-3 [i.15], V3.16.1 clause 8 ETSI TS 102 232-3 [i.15], V3.16.1 clause 8
						l2Access(4)	version1(1)	iRI(1) cC(2) iRIOnly(3)	ETSI TS 102 815 [i.8], V1.1.1 clause 8.2 ETSI TS 102 815 [i.8], V1.1.1 clause 8.2 ETSI TS 102 815 [i.8], V1.1.1 clause 8.2
							version2(2)	iRI(1) cC(2) iRIOnly(3)	ETSI TS 102 815 [i.8], V1.2.1 clause 8.2 ETSI TS 102 815 [i.8], V1.2.1 clause 8.2 ETSI TS 102 815 [i.8], V1.2.1 clause 8.2
							version3(3)	iRI(1) cC(2) iRIOnly(3)	ETSI TS 102 815 [i.8], V1.3.1 clause 8.2 ETSI TS 102 815 [i.8], V1.3.1 clause 8.2 ETSI TS 102 815 [i.8], V1.3.1 clause 8.2
							version4(4)	iRI(1) cC(2) iRIOnly(3)	ETSI TS 102 232-4 [i.16], V2.1.1 clause 8.1 ETSI TS 102 232-4 [i.16], V2.1.1 clause 8.1 ETSI TS 102 232-4 [i.16], V2.1.1 clause 8.1
							version5(5)	iRI(1) cC(2) iRIOnly(3)	ETSI TS 102 232-4 [i.16], V2.3.1 clause 8.1 ETSI TS 102 232-4 [i.16], V2.3.1 clause 8.1 ETSI TS 102 232-4 [i.16], V2.3.1 clause 8.1
							version6(6)	iRI(1) cC(2) iRIOnly(3)	ETSI TS 102 232-4 [i.16], V3.1.1 clause 8.1 ETSI TS 102 232-4 [i.16], V3.1.1 clause 8.1 ETSI TS 102 232-4 [i.16], V3.1.1 clause 8.1
							version7(7)	iRI(1) cC(2) iRIOnly(3)	ETSI TS 102 232-4 [i.16], V3.2.1 clause 8.1 ETSI TS 102 232-4 [i.16], V3.2.1 clause 8.1 ETSI TS 102 232-4 [i.16], V3.2.1 clause 8.1
							version8(8)	iRI(1) cC(2) iRIOnly(3)	ETSI TS 102 232-4 [i.16], V3.6.1 clause 8.1 ETSI TS 102 232-4 [i.16], V3.6.1 clause 8.1 ETSI TS 102 232-4 [i.16], V3.6.1 clause 8.1
							version9(9)	iRI(1) cC(2) iRIOnly(3)	ETSI TS 102 232-4 [i.16], V3.7.1 clause 8.1 ETSI TS 102 232-4 [i.16], V3.7.1 clause 8.1 ETSI TS 102 232-4 [i.16], V3.7.1 clause 8.1
							version10(10)	iRI(1) cC(2) iRIOnly(3)	ETSI TS 102 232-4 [i.16], V3.8.1 clause 8.1 ETSI TS 102 232-4 [i.16], V3.8.1 clause 8.1 ETSI TS 102 232-4 [i.16], V3.8.1 clause 8.1
						iPMultimedia(5)	version1(1)	iRI(1) cC(2)	ETSI TS 102 232-5 [i.17], V2.1.1 clause 7
							version2(2)	iRI(1) cC(2)	ETSI TS 102 232-5 [i.17], V2.2.1 clause 7
							version3(3)	iRI(1) cC(2)	ETSI TS 102 232-5 [i.17], V2.3.1 clause 7
							version4(4)	iRI(1) cC(2)	ETSI TS 102 232-5 [i.17], V2.4.1 clause 7
							version5(5)	iRI(1) cC(2)	ETSI TS 102 232-5 [i.17], V3.1.1 clause 7

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							version6(6)	iRI(1) cC(2)	ETSI TS 102 232-5 [i.17], V3.2.1 clause 7
							version7(7)	iRI(1) cC(2)	ETSI TS 102 232-5 [i.17], V3.3.1 clause 7
							version8(8)	iRI(1) cC(2)	ETSI TS 102 232-5 [i.17], V3.6.1 clause 7
							version9(9)	iRI(1) cC(2)	ETSI TS 102 232-5 [i.17], V3.7.1 clause 7
							version10(10)	iRI(1) cC(2)	ETSI TS 102 232-5 [i.17], V3.8.1 clause 7
							version11(11)	iRI(1) cC(2)	ETSI TS 102 232-5 [i.17], V3.10.1 clause 7
							version12(12)	iRI(1) cC(2)	ETSI TS 102 232-5 [i.17], V3.11.1 clause 7
							version13(13)	iRI(1) cC(2)	ETSI TS 102 232-5 [i.17], V3.13.1 clause 7
							version14(14)	iRI(1) cC(2)	ETSI TS 102 232-5 [i.17], V3.15.1 clause 7
							version15(15)	iRI(1) cC(2)	ETSI TS 102 232-5 [i.17], V3.16.1 clause 7
							version16(16)	iRI(1) cC(2)	ETSI TS 102 232-5 [i.17], V3.18.1 clause 7
							version17(17)	iRI(1) cC(2)	ETSI TS 102 232-5 [i.17], V3.21.1 clause 7
						pstnIsdn(6)	version1(1)	iRI(1) cC(2)	ETSI TS 102 232-6 [i.18], V2.1.1 clause A.2
							version2(2)	iRI(1) cC(2)	ETSI TS 102 232-6 [i.18], V2.2.1 clause A.2
							version3(3)	iRI(1) cC(2)	ETSI TS 102 232-6 [i.18], V2.3.1 clause A.2
							version4(4)	iRI(1) cC(2)	ETSI TS 102 232-6 [i.18], V3.1.1 clause A.2
							version5(5)	iRI(1) cC(2)	ETSI TS 102 232-6 [i.18], V3.3.1 clause A.2
							version6(6)	iRI(1) cC(2)	ETSI TS 102 232-6 [i.18], V3.5.1 clause A.2
					tetra(6)	hi1(1)	notificationOperations (1)	version 0(0)	ETSI TS 101 671 [i.3], V3.5.1 clause D.10.2
						hi2(2)	version0(0)		ETSI TS 101 671 [i.3], V3.5.1 clause D.10.3
							version1(1)		ETSI TS 101 671 [i.3], V3.6.1 clause D.10.3
							version2(2)		ETSI TS 101 671 [i.3], V3.8.1 clause D.10.3
							version3(3)		ETSI TS 101 671 [i.3], V3.12.1 clause D.10.3
						him(3)	version0(0)		ETSI TS 101 671 [i.3], V3.5.1 clause D.10.1

Table 2: OIDs of the ETSI Retained data handling domain

Object Identifier							Specification
itu-t (0)	identified-organizations (4)	etsi(0)	securityDomain(2)	retainedData(3)	rdHeader(0)	version1(1)	ETSI TS 102 657 [i.19], V1.1.2 clause A.3.2
						version3(3)	ETSI TS 102 657 [i.19], V1.3.1 clause A.3.2
						version4(4)	ETSI TS 102 657 [i.19], V1.4.1 clause A.3.2
						version5(5)	ETSI TS 102 657 [i.19], V1.5.1 clause A.3.2
						version6(6)	ETSI TS 102 657 [i.19], V1.6.1 clause A.3.2
						version7(7)	ETSI TS 102 657 [i.19], V1.7.1 clause A.3.2
						version8(8)	ETSI TS 102 657 [i.19], V1.8.1 clause A.3.2
						version9(9)	ETSI TS 102 657 [i.19], V1.9.1 clause A.3.2
						version10(10)	ETSI TS 102 657 [i.19], V1.10.1 clause A.3.2
						version11(11)	ETSI TS 102 657 [i.19], V1.11.1 clause A.3.2
						version12(12)	ETSI TS 102 657 [i.19], V1.12.1 clause A.3.2
						version13(13)	ETSI TS 102 657 [i.19], V1.13.1 clause A.3.2
						version14(14)	ETSI TS 102 657 [i.19], V1.14.1 clause A.3.2
						version17(17)	ETSI TS 102 657 [i.19], V1.17.1 clause A.3.2
						version18(18)	ETSI TS 102 657 [i.19], V1.18.1 clause A.3.2
						version19(19)	ETSI TS 102 657 [i.19], V1.19.1 clause A.3.2
						version20(20)	ETSI TS 102 657 [i.19], V1.22.1 clause A.3.2
						version21(21)	ETSI TS 102 657 [i.19], V1.23.1 clause A.3.2
						version22(22)	ETSI TS 102 657 [i.19], V1.24.1 clause A.3.2
						version23(23)	ETSI TS 102 657 [i.19], V1.25.1 clause A.3.2
						version24(24)	ETSI TS 102 657 [i.19], V1.26.1 clause A.3.2
						version25(25)	ETSI TS 102 657 [i.19], V1.27.1 clause A.3.2
						version26(26)	ETSI TS 102 657 [i.19], V1.28.1 clause A.3.2
						version27(27)	ETSI TS 102 657 [i.19], V1.29.1 clause A.3.2
						version28(28)	ETSI TS 102 657 [i.19], V2.1.1 clause A.3.2
						version29(29)	ETSI TS 102 657 [i.19], V2.2.1 clause A.3.2
						version30(30)	ETSI TS 102 657 [i.19], V2.3.1 clause A.3.2
						version31(31)	ETSI TS 102 657 [i.19], V2.4.1 clause A.3.2
						version32(32)	ETSI TS 102 657 [i.19], V2.5.1 clause A.3.2
						version33(33)	ETSI TS 102 657 [i.19], V2.6.1 clause A.3.2
						version34(34)	ETSI TS 102 657 [i.19], V2.7.1 clause A.3.2

Table 3: OIDs of the ETSI Information handover domain

Object Identifier								Specification
itu-t(0)	identified-organizations(4)	etsi(0)	securityDomain(2)	informationHandover(4)	IIhi(0)	ilhiPdu(0)	version1(1)	ETSI TS 103 462 [i.20], V1.1.1 annex B
							version2(2)	ETSI TS 103 462 [i.20], V1.2.1 annex B

Table 4: OIDs of the ETSI/TC AT-D domain

Object Identifier								Specification
itu-t (0)	identified-organizations(4)	etsi(0)	ts101909 (1909)	part20 (20)	subpart1 (1)	interceptVersion (0)		ETSI TS 101 909-20-1 [i.10], V1.1.2 annex A
					subpart2 (2)	interceptVersion (0)		ETSI TS 101 909-20-2 [i.11], V1.1.2 annex A

Table 5: OIDs of the ETSI/EP TETRA domain

Object Identifier					Specification
itu-t (0)	identified-organizations(4)	etsi(0)	en301040 (1040)	interceptVersion (0)	ETSI EN 301 040 [i.12], V2.0.0 annex E

Table 6: Object Identifier of ROSE

Object Identifier				Specification
joint-iso-itu-t(2)	remote-operations(4)	informationObjects(5)	version1(0)	Recommendation ITU-T X.880 [i.9], annex A

Annex A: Bibliography

ETSI EG 200 351: "ETSI object identifier tree; Rules and registration procedures".

Annex B:
Change Request history

Status of the present document ASN.1 Object Identifiers in Lawful Intercept Specifications		
TC LI approval date	**Version**	**Remarks**
October 2005	1.1.1	First publication of the TR after approval by ETSI/TC LI#10 (4-6 October 2005, Sorrento).
May 2006	1.2.1	Included Change Request: TR102503CR001 (cat F) on Correction of mistakes performed during ETSI publication process of v1.1.1. This CR was approved by TC LI#11 (31 January – 2 February 2006, Saint Martin). Update of versions numbers of ASN.1 modules in modified specifications during TC LI#12 (9-11 May 2006, Limassol).
October 2007	1.3.1	Included Change Request: TR102503CR002 (cat F) on Update of versions numbers of ASN.1 modules in modified specifications. This CR was approved by TC LI#16 (2-4 October 2007, Berlin).
July 2008	1.4.1	Included Change Request: TR102503CR003r1 (cat F) on Update of versions numbers of ASN.1 modules in modified specifications. This CR was approved by TC LI#18 (27-29 May 2008, Chania).
February 2010	1.5.1	Included Change Requests: TR102503CR005 (cat F) on Corrections in the Tree structure This CR was approved by TC LI#19 (30 September – 2 October 2008, Prague). TR102503CR006 (cat F) on Introducing of the retained data handling domain. This CR was approved by TC LI#20 (3-5 February 2009, Levi). TR102503CR007 (cat F) on Update TR in line with agreed modifications and adoption of versions numbers of ASN.1 modules in modified specifications. This CR was approved by TC LI#23 (9-11 February 2010, Rome).
September 2011	1.6.1	Included Change Request: TR102503CR008 (cat F) on Update TR in line with agreed modifications and adoption of versions numbers of ASN.1 modules in modified specifications and on corrections in the Tree structure. This CR was approved by TC LI#28 (13-15 September 2011, Otranto).
June 2013	1.7.1	Included Change Request: TR102503CR009r2 (cat F) on Update TR in line with agreed modifications and adoption of versions numbers of ASN.1 modules in modified specifications and on corrections. This CR was approved by TC LI#33 (11-13 June 2013, Joensuu).
January 2014	1.8.1	Included Change Request: TR102503CR010r1 (catF) on Update TR in line with agreed modifications and adoption of versions numbers of ASN.1 modules in modified specifications and corrections. This CR was approved by TC LI#35 (28-30 January 2014, Milan).
September 2015	1.9.1	Included Change Request: TR102503CR011 (cat F) on Update TR in line with agreed modifications and adoption of versions numbers of ASN.1 modules in modified specifications and corrections. This CR was approved by TC LI#40 (8-10 September 2015, Aachen).
August 2016	1.10.1	Included Change Request: TR102503CR012 (cat F) on Update TR according to modifications and adoption of versions numbers of ASN.1 modules in modified specifications and corrections. This CR was approved by TC LI#42 (28-30 June 2016, Malaga).
October 2017	1.11.1	Included Change Request: TR102503CR013 (cat F) on Update TR according to modifications and adoption of versions numbers of ASN.1 modules in modified specifications and corrections. This CR was approved by TC LI#46 (3-5 October 2017, Rotterdam).
September 2018	1.12.1	Included Change Request TR102503CR014r1 (cat F) on update TR according to modifications and adoption of versions numbers of ASN.1 modules in modified specifications and corrections. The new ILHI ASN1 coding impact is added. This CR was approved by TC LI#49 (25-27 September 2018, Zagreb).

Status of the present document ASN.1 Object Identifiers in Lawful Intercept Specifications		
TC LI approval date	**Version**	**Remarks**
October 2019	1.13.1	Included Change Request: TR102503CR015r1 (cat F) on Update TR according to modifications and adoption of versions numbers of ASN.1 modules in modified specifications and corrections. 3GPP TS 33.128 added. This CR was approved by TC LI#52 (15-17 October 2019, Turin).
September 2020	1.14.1	Included Change Request: TR102503CR016r1 (cat F) on Update TR according to modifications and adoption of versions numbers of ASN.1 modules in modified specifications and corrections. This CR was approved by TC LI#55e as LI(20)P55013r1 (21-25 September 2020, electronic meeting).
December 2021	1.15.1	Included Change Request: TR102503CR017r2 (cat F) on Update TR according to modifications and adoption of versions numbers of ASN.1 modules in modified specifications. This CR was approved by TC LI#58e as LI(21)P58012r2 (18-22 October 2021, electronic meeting).
November 2022	1.16.1	Included Change Request: TR102503CR018r1 (cat F) on Update TR according to modifications and adoption of versions numbers of ASN.1 modules in modified specifications. This CR was approved by TC LI#61 as LI(22)P61007r1 (20-22 September 2022, Malmö).
December 2023	1.17.1	Included Change Request: TR102503CR019r2 (cat F) on Update TR according to modifications and adoption of versions numbers of ASN.1 modules in modified specifications. This CR was approved by TC LI#64 as LI(23)P64015r1 (31 October-02 November 2023, Sydney).
July 2024	1.18.1	Included Change Request: TR102503CR020r1 (cat F) on Update TR according to modifications and adoption of versions numbers of ASN.1 modules in modified specifications. This CR was approved by TC LI#66 as LI(24)P66025r1 (18-21 June 2024, Luzern).
October 2025	1.19.1	Included Change Request: TR102503CR021r1 (cat F) on Correction and alignment to latest published specifications. This CR was approved by TC LI#70 as LI(25)70011r1 (30 September - 02 October 2025, New York).

History

Document history		
V1.1.1	January 2006	Publication
V1.2.1	August 2006	Publication
V1.3.1	November 2007	Publication
V1.4.1	July 2008	Publication
V1.5.1	March 2010	Publication
V1.6.1	October 2011	Publication
V1.7.1	July 2013	Publication
V1.8.1	February 2014	Publication
V1.9.1	November 2015	Publication
V1.10.1	August 2016	Publication
V1.11.1	November 2017	Publication
V1.12.1	October 2018	Publication
V1.13.1	December 2019	Publication
V1.14.1	November 2020	Publication
V1.15.1	December 2021	Publication
V1.16.1	November 2022	Publication
V1.17.1	January 2024	Publication
V1.18.1	July 2024	Publication
V1.19.1	November 2025	Publication