



Actalis Object Identifiers (OIDs)

Author:	Riccardo Minet Actalis S.p.A.	_____	29-04-2025 Data
Verified by:	Adriano Santoni Actalis S.p.A.	_____	_____ Data
Approved by:	Andrea Sasseti ArubaPEC S.p.A.	_____	_____ Data
		_____	_____ Data
Document code:	013OID - 2025 - 1 - 30		
	<i>Project/Service</i>	<i>Year</i>	<i>Doc N.</i> <i>Version</i>
Distribution class:	PUBLIC		

HISTORY OF MODIFICATIONS

	From release 1 to release 2
Par. 4	Added policies for GTA Schema Trust Authority (STA) Policy
	From release 2 to release 3
Par. 4	Added C-Travel certificate policy
	From release 3 to release 4
Par. 4	Added Authentication certificate policy (CNS)
	From release 4 to release 5
Par. 3	Added Outsourced CA Certificate Policy Arc
Par. 4	Added CRS-SISS Project Outsourced CA Certificates Policy
	From release 5 to release 6
Par. 4	Added MHP Signing Certificates Policy
	From release 6 to release 7
Par. 3	Added LDAP ObjectClass identifiers
	From release 7 to release 8
Par. 3	Added Time-Stamps functional arc
Par. 4	Added Actalis Time-Stamps Policy
	From release 8 to release 9
Par. 4	Added Actalis Qualified Certificates for Remote Signature Policy
	From release 9 to release 10
Par. 4	Added S/MIME and SSL Client Certificates Policy
	From release 10 to release 11
Par. 4	Added Snam Retegas Certification Authority Certificates Policy
	From release 11 to release 12
Par. 4	Added CA Regione Campania Certification Authority Certificates Policy
	From release 12 to release 13
Par. 4	Added SSL Server EV (Extended Validation) policy Added Code Signing EV (Extended Validation) policy Added SSL Server WildCard policy
	From release 13 to release 14
Par. 4	Added SSL Server OV (Organization Validated) policy Added Code Signing OV (Organization Validated) policy
	From release 14 to release 15
Par. 4	Added SSL Server DV (Domain Validated) policy Added SSL Server WildCard DV (Domain Validated) policy
	From release 15 to release 16
Par. 4	Added Free S/MIME and SSL Client certificates policy
	From release 16 to release 17
Par. 4	Added Corporate S/MIME and SSL Client certificates policy
	From release 17 to release 18
Par. 4	Added Actalis Time-Stamps Policy - Version 2 (eIDAS compliant)
	From release 18 to release 19
Par. 4	Added Actalis Multipurpose Certificates for Private Networks Policy - Version 1
	From release 19 to release 20
Par. 3 and 4	Added eIDAS compliant Actalis Certificates for e-signatures and e-seals Policy OIDs Added eIDAS compliant Actalis Certificates for website authentication Policy OIDs
	From release 20 to release 21
Par. 4	Added ExtendedKeyUsage for Document Signing
	From release 21 to release 22
Par. 4	Added Actalis Document Signing Policy - Version 1
	From release 22 to release 23
Par. 4	Added Actalis Authentication certificate for Domain Controller Policy - Version 1
	From release 23 to release 24

Par. 4	Actalis Certification Authority - Qualified Certificates for Website Authentication eIDAS Policy - Version 1
	From release 24 to release 25
Par. 3 and 4	Added EESSI compliant Actalis Certificates Policy OIDs
Par. 3	Added National Service Card (CNS) CA - Authentication Certificates Policy – Version 1
	From release 25 to release 26
Par. 3	Added Actalis Certification Authority - Qualified Certificates for Natural Persons with QSCD and One Shot Remote Signature eIDAS Policy - Version 1
	From release 26 to release 27
Par. 3	Added Actalis Certification Authority - Qualified certificates issued with ad hoc procedures for specific projects - Version 1
	From release 27 to release 28
Par. 3 and 4	Added Actalis Certification Authority - Certificates for Advanced Electronic Signature (AdE)
	From release 28 to release 29
Par. 4	Added Actalis Time-Stamping Policy - CABF compliant - Version 1
	From release 29 to release 30
Par. 4	Added Actalis Certification Authority – SSL Client Authentication certificates for the “PEC Massiva” project

Table of Contents

1. SCOPE OF THIS DOCUMENT	4
1.1 NORMATIVE REFERENCES.....	4
1.2 DEFINITIONS.....	4
2. PUBLIC ARC	5
3. FUNCTIONAL ARCS	6
3.1 OID ASSIGNMENT RULES.....	6
3.1.1 <i>Actalis Certificate Policy OIDs</i>	6
3.1.2 <i>Actalis Private Certificate Extension OIDs</i>	6
3.1.3 <i>Actalis Protocols</i>	7
3.1.4 <i>Actalis Extended Key Usages (EKU)</i>	7
3.1.5 <i>Outsourced CA Certificate Policy OIDs</i>	7
3.1.6 <i>LDAP ObjectClass identifiers</i>	7
3.1.7 <i>Actalis Time-Stamps Policy OIDs</i>	8
3.1.8 <i>eIDAS compliant Actalis Certificates for e-signatures and e-seals Policy OIDs</i>	8
3.1.9 <i>eIDAS compliant Actalis Certificates for website authentication Policy OIDs</i>	8
3.1.10 <i>Electronic Exchange of Social Security Information (EESSI) Certificates</i>	8
3.1.11 <i>eIDAS compliant certificates issued with ad hoc procedures for specific projects</i>	9
3.1.12 <i>Actalis Certificates for Advanced Electronic Signature (AdE)</i>	9
4. CURRENTLY ASSIGNED OIDS	10
5. ADMINISTRATION	12

1. SCOPE OF THIS DOCUMENT

Object identifiers (OIDs) are globally unique identifiers used in a number of data objects and protocols including X.509 certificates, Internet protocols, directories, etc.

Actalis uses a number of OIDs to ensure uniqueness and provide identity. This document provides the policy on how these OIDs shall be allocated.

1.1 Normative References

- [1] ITU-T Rec. X.680 - X.693 (07/02): "Abstract Notation One (ASN.1)"
- [2] RFC 1778, "The String Representation of Standard Attribute Syntaxes", IETF, March 1995
- [3] RFC 2527: "Internet X.509 Public Key Infrastructure Certificate Policy and Certification Practices Framework", IETF, March 1999
- [4] ANS X9.79-1:2001: "Public Key Infrastructure - Practice and Policy Framework", January 2001

1.2 Definitions

Certificate Policy (CP)

A named set of rules that indicates the applicability of a certificate to a particular community and/or class of application with common security requirements

2. PUBLIC ARC

The Actalis OID schema is divided into two parts:



Actalis has obtained its public OID from British Standard Institutions according with ISO 6523
The public arc is split up as follows:

- A:* ISO (International Standards Organization) code: (1)
- B:* ISO Identified Organization: (3)
- C:* Actalis identifier: (159)

Therefore, Actalis' public arc is:

1.3.159

3. FUNCTIONAL ARCS

In order to manage the private arc, functional arcs shall be assigned under the public arc with individual values for functional arcs. Currently assigned functional arcs are:

- Actalis Certificate Policies (CPs)
- Actalis Private Certificate Extensions
- Actalis Specific Protocols
- Actalis Specific Extended Key Usages
- Outsourced CA Certificate Policies (Cps)
- LDAP ObjectClass identifiers
- Actalis Time-Stamps Policies
- eIDAS compliant Actalis Certificates for e-signatures and e-seals Policy OIDs
- eIDAS compliant Actalis Certificates for website authentication Policy OIDs
- EESSI Signature Certificates

3.1 OID Assignment Rules

All objects within the structure will be numbered according to the rules in this section. Private arcs shall only be used in conjunction with the authorized Actalis public arc above.

3.1.1 Actalis Certificate Policy OIDs

CP OIDs shall have the following format:

Public Arc (1.3.159)	Private Arc (1.Y.Z)
-----------------------------	----------------------------

Where:

- Y: is a Certificate Policy number is allocated by the PAA
- Z: is a Certificate Policy Version No

3.1.2 Actalis Private Certificate Extension OIDs

Certificate Extension OIDs shall have the following format:

Public Arc (1.3.159)	Private Arc (2.Y.Z)
-----------------------------	----------------------------

Where:

- Y: Is a Private Extension Type (Pilot=1, Production=2, Test=3)
- Z: Is a Private Extension ID allocated by the PAA

3.1.3 Actalis Protocols

Actalis proprietary protocols shall be assigned OIDs according to the format below:

Public Arc (1.3.159)	Private Arc (4.Y)
-----------------------------	--------------------------

Where:

Y: is a unique protocol number allocated by Actalis

3.1.4 Actalis Extended Key Usages (EKU)

Actalis proprietary EKUs shall be assigned OIDs according to the format below:

Public Arc (1.3.159)	Private Arc (5.Y)
-----------------------------	--------------------------

Where:

Y: is a unique EKU number allocated by Actalis

3.1.5 Outsourced CA Certificate Policy OIDs

CP OIDs shall have the following format:

Public Arc (1.3.159)	Private Arc (6.W.X.Y.Z)
-----------------------------	--------------------------------

Where:

W: is a unique number allocated by Actalis that identify the outsourced CA
X, Y, Z: are numbers defined in accordance with the outsourced CA's Policy schema

3.1.6 LDAP ObjectClass identifiers

Actalis proprietary ObjectClass shall be assigned OIDs according to the format below:

Public Arc (1.3.159)	Private Arc (7.W.X.Y.Z)
-----------------------------	--------------------------------

Where:

W: is a unique number allocated by Actalis that identify the ObjectClass identifier
X, Y, Z: are numbers defined in accordance with the outsourced CA's Policy schema

3.1.7 Actalis Time-Stamps Policy OIDs

Time-Stamps Policy OIDs shall have the following format:

Public Arc (1.3.159)	Private Arc (8.Y.Z)
-----------------------------	----------------------------

Where:

- Y: is a Policy number is allocated by the PAA
- Z: is a Policy Version No

3.1.8 eIDAS compliant Actalis Certificates for e-signatures and e-seals Policy OIDs

eIDAS compliant Certificates for e-signatures Policy and e-seals OIDs shall have the following formats:

Certificates for Natural Persons

Public Arc (1.3.159)	Private Arc (10.Y.Z)
-----------------------------	-----------------------------

Where:

- Y: is a Policy number is allocated by the PAA
- Z: is a Policy Version No

Certificates for Legal Persons

Public Arc (1.3.159)	Private Arc (11.Y.Z)
-----------------------------	-----------------------------

Where:

- Y: is a Policy number is allocated by the PAA
- Z: is a Policy Version No

3.1.9 eIDAS compliant Actalis Certificates for website authentication Policy OIDs

eIDAS compliant Certificates for website authentication Policy OIDs shall have the following formats:

Public Arc (1.3.159)	Private Arc (12.Y.Z)
-----------------------------	-----------------------------

Where:

- Y: is a Policy number is allocated by the PAA
- Z: is a Policy Version No

3.1.10 Electronic Exchange of Social Security Information (EESSI) Certificates

EESSI compliant Certificates Policy OIDs shall have the following formats:

Public Arc (1.3.159)	Private Arc (13.Y.Z)
-----------------------------	-----------------------------

Where:

Y: is a Policy number is allocated by the PAA
Z: is a Policy Version No

3.1.11 eIDAS compliant certificates issued with ad hoc procedures for specific projects

eIDAS compliant Certificates issued with ad hoc procedures for specific projects policy OIDs shall have the following formats:

Public Arc (1.3.159)	Private Arc (14.Y.Z)
-----------------------------	-----------------------------

Where:

Y: is a Policy number is allocated by the PAA
Z: is a Policy Version No

3.1.12 Actalis Certificates for Advanced Electronic Signature (AdE)

AdE Certificates policy OIDs shall have the following formats:

Public Arc (1.3.159)	Private Arc (15.Y.Z)
-----------------------------	-----------------------------

Where:

Y: is a Policy number is allocated by the PAA
Z: is a Policy Version No

4. CURRENTLY ASSIGNED OIDS

1.3.159.1.1.1	Actalis Certification Authority - Qualified Certificates Policy - Version 1
1.3.159.1.2.1	Actalis Certification Authority - Root Authority Certificates Policy -Version 1
1.3.159.1.3.1	Actalis Certification Authority - Class A Certificates Policy - Version 1
1.3.159.1.4.1	Actalis Certification Authority - Server Authentication Certificates Policy - Version 1
1.3.159.1.5.1	Actalis Certification Authority - Qualified Certificates with usage limitations Policy - Version 1
1.3.159.1.6.1	Actalis TimeStamping Authority - Root Certificate Policy - Version 1
1.3.159.1.8.1	Actalis GTA Schema Trust Authority (STA) Policy - Version 1
1.3.159.1.9.1	Actalis Certification Authority - C-Travel Certificates Policy - Version 1
1.3.159.1.10.1	Actalis Certification Authority - Authentication Certificates Policy - Version 1
1.3.159.1.11.1	Actalis Certification Authority – Client Authentication Certificates Policy - Version 1
1.3.159.1.12.1	Actalis Certification Authority - OCSP Validation Certificates Policy - Version 1
1.3.159.1.13.1	Actalis Certification Authority - Authentication Certificates Policy - Fiscal Code Verification - Version 1
1.3.159.1.14.1	Actalis Certification Authority - MHP signing certificates - Version 1
1.3.159.1.15.1	Actalis Certification Authority - Qualified Certificates for Remote Digital Signature Policy - Version 1
1.3.159.1.16.1	Actalis Certification Authority – S/MIME and SSL Client Certificates Policy - Version 1
1.3.159.1.17.1	Actalis Certification Authority - SSL Server EV (Extended Validation)
1.3.159.1.18.1	Actalis Certification Authority - Code Signing EV (Extended Validation)
1.3.159.1.19.1	Actalis Certification Authority - SSL Server WildCard OV (Organization Validated)
1.3.159.1.20.1	Actalis Certification Authority - SSL Server OV (Organization Validated)
1.3.159.1.21.1	Actalis Certification Authority - Code Signing OV (Organization Validated)
1.3.159.1.22.1	Actalis Certification Authority – SSL Server DV (Domain Validated)
1.3.159.1.23.1	Actalis Certification Authority – SSL Server WildCard EESSI Signature Certificates DV (Domain Validated)
1.3.159.1.24.1	Actalis Certification Authority – Free S/MIME and SSL Client certificates
1.3.159.1.25.1	Actalis Certification Authority – Corporate S/MIME and SSL Client certificates
1.3.159.1.26.1	Actalis Certification Authority – Document Signing certificates
1.3.159.1.27.1	Actalis Certification Authority – Authentication certificates for Domain Controller
1.3.159.1.50.1	Actalis Certification Authority – SSL Client Authentication certificates for the “PEC Massiva” project

1.3.159.5.1	Actalis ExtendedKeyUsage for Document Signing
1.3.159.6.1.*	CNS-Regione Lombardia - Authentication Certificates Policies
1.3.159.6.2.1	CNS-Regione Friuli - Authentication Certificates Policy - Version 1
1.3.159.6.3.1	Snam Retegas Certification Authority - Certificates Policy - Version 1
1.3.159.6.4.1	Regione Campania Certification Authority – Qualified Certificates Policy - Version 1
1.3.159.6.5.1	National Service Card (CNS) CA - Authentication Certificates Policy – Version 1
1.3.159.8.1.1	Actalis Time-Stamps Policy - Version 1
1.3.159.8.1.2	Actalis Time-Stamps Policy - Version 2 (eIDAS compliant)
1.3.159.8.2.1	Actalis Time-Stamping Policy - CABF compliant - Version 1
1.3.159.9.1.1	Actalis Multipurpose Certificates for Private Networks – Version 1
1.3.159.10.1.1	Actalis Certification Authority - Qualified Certificates for Natural Persons with QSCD and Local Signature eIDAS Policy - Version 1
1.3.159.10.2.1	Actalis Certification Authority - Qualified Certificates for Natural Persons with QSCD and Remote Signature eIDAS Policy - Version 1
1.3.159.10.3.1	Actalis Certification Authority - Qualified Certificates for Natural Persons without QSCD and Local Signature eIDAS Policy - Version 1
1.3.159.10.4.1	Actalis Certification Authority - Qualified Certificates for Natural Persons without QSCD and Remote Signature eIDAS Policy - Version 1
1.3.159.10.5.1	Actalis Certification Authority - Qualified Certificates for Natural Persons with QSCD and One Shot Remote Signature eIDAS Policy - Version 1
1.3.159.11.1.1	Actalis Certification Authority - Qualified Certificates for Legal Persons with QSCD and Local Signature eIDAS Policy - Version 1
1.3.159.11.2.1	Actalis Certification Authority - Qualified Certificates for Legal Persons with QSCD and Remote Signature eIDAS Policy - Version 1
1.3.159.11.3.1	Actalis Certification Authority - Qualified Certificates for Legal Persons without QSCD and Local Signature eIDAS Policy - Version 1
1.3.159.11.4.1	Actalis Certification Authority - Qualified Certificates for Legal Persons without QSCD and Remote Signature eIDAS Policy - Version 1
1.3.159.12.1.1	Actalis Certification Authority - Qualified Certificates for Website Authentication eIDAS Policy - Version 1
1.3.159.13.1.1	Actalis Certification Authority - EESSI Signature Certificates Policy - Version 1
1.3.159.14.1.1	Actalis Certification Authority - Qualified certificates issued with ad hoc procedures for specific projects Policy - Version 1
1.3.159.15.1.1	Actalis Certification Authority - Certificates for Advanced Electronic Signature (AdE) - Version 1

5. ADMINISTRATION

For comments o requests please contact:

Riccardo Minet
ACTALIS S.p.A.
Via San Clemente, 53
24036 – Ponte San Pietro (Bergamo)
ITALY

e-mail: riccardo.minet [at] staff.aruba.it