

BSNk ASN.1 OID's

All data-structures that are exchanged between BSNk components, participants, HSM's and smartcards have an identifier.

In ASN.1, these identifiers are called OID's (Object identifiers). This section contains BSNk's OID hierarchy.

The BSNk hierarchy is shown in the table below::

BSNk OIDs overview				
id-BSNk-scheme-nl OID: 2.16.528.1.1003. 10			Identifier '10' within {joint-iso-itu-t(2) country(16) nl(528) nederlandse-organisatie(1) nederlandse-overheid(1003)} (Nederlandse overheid)	
	id-BSNk-identifiers OID: 2.16.528.1.1003.1 0.1			Defined OID's ¹ Version identifiers
		id-BSNk-polymorphics OID: 2.16.528.1.1003.10 .1.1	Polymorphic structure-identifiers id-BSNk-polymorphic-identity 1 id-BSNk-polymorphic-pseudonym 2 id-BSNk-polymorphic-identity-signed 3 id-BSNk-polymorphic-pseudonym-signed 4 id-BSNk-polymorphic-pip 5 id-BSNk-polymorphic-pip-signed 6 id-BSNk-polymorphic-pip-verifiable 11	* * * * * * *
		id-BSNk-encrypted OID: 2.16.528.1.1003.10 .1.2	Encrypted structure-identifiers id-BSNk-encrypted-identity 1 id-BSNk-encrypted-pseudonym 2 id-BSNk-encrypted-identity-signed 3 (deprecated - old Schnorr signing algorithm) id-BSNk-encrypted-pseudonym-signed 4 (deprecated - old Schnorr signing algorithm) id-BSNk-encrypted-direct-pseudonym 5 id-BSNk-encrypted-direct-pseudonym-signed 6 id-BSNk-encrypted-identity-ecdsa-signed 7 id-BSNk-encrypted-pseudonym-ecdsa-signed 8 id-BSNk-encrypted-direct-identity 9 id-BSNk-encrypted-direct-identity-signed 10	* * * * * *, 2 2 2 2 2
		id-BSNk-decrypted OID: 2.16.528.1.1003.10 .1.3	Decrypted structure-identifiers id-BSNk-decrypted-identifier 1 id-BSNk-decrypted-pseudonym 2 id-BSNk-decrypted-migrationpseudonym 3	* * *
	id-PCA OID: 2.16.528.1.1003.1 0.9		Reserved for usage in the specifications of the protocol for PP on smartcard (polymorphic card application) (documented in Polymorphic structures)	

1: An asterisk * in this column indicates a structure-version prior to introduction of the current versioning scheme is present. These structures do have an OID corresponding to the Structure-identifier, **without** a version identifier. New and changed structures will all have a version identifier. A version number in this column indicates that an OID and structure definition with the given version number are present. Versioning is described in detail here: [ASN.1 versioning](#).

Further reading on OIDs:

<https://www.itu.int/en/ITU-T/asn1/Pages/OID-project.aspx>

<http://www.oid-info.com/doc/country-OIDs.htm>

<https://www.nen.nl/Normontwikkeling/Certificaten/Schemabeheer/Object-identifiers-OID.htm>