CERTIFICATE AND CRL PROFILES

BUYPASS CLASS 3 CERTIFICATES

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1 Certificate and CRL profiles for Subscriber certificates

1.1 Buypass Class 3 Qualified certificate profile

1.1.1 Certificate profile according to National legislation

Field	Value	1)	2)	Comment
Version	X509 version 3 certificates	M	B	
Serial number	Unique certificate serial number	M	B	
Signature Algorithm	sha256WithRSAEncryption	M	B	sha256WithRSAEncryption OBJECT IDENTIFIER ::= { iso(1) member-body(2) us(840) rsadsi(113549) pkcs(1) pkcs-1(1) 11 }
Issuer	CN=Buypass Class 3 CA 3 O= Buypass AS-983163327 C=NO	M	B	
Validity	notBefore<time> notAfter<time>	M	B	Lifetime of certificate <= 5 years
Subject	C=NO	M	B	
	O=<Subscriber Name>- <Subscriber Id>	O	B	Subscriber Name and Id according to 'Enhetsregisteret'
	OU=<Subscriber Department>	O	B	
	CN=<Subject Name>	M	B	FirstName + MiddleName + LastName
	SerialNumber=9578-4050-<BuypassId>	M	B	<BuypassId>: unique Buypass identifier for Subject
Subject Public Key Info	Subject Public Key	M	B	RSA key size is at least 2032 bits
Basic Constraints	Subject Type=End Entity Path Length Constraint=None	M	B	
Authority Key Identifier	Key Identifier for the CA public key	M	N	
Subject Key Identifier	Key Identifier for the Subject Public Key	M	N	
Certificate Policies	Policy OID= 2.16.578.1.26.1.3.1 or 2.16.578.1.26.1.3.6	M	N	
Subject Alternative Name	RFC822Name=<Subject email address>	O	N	
CRL Distribution Point	URL=ldap://ldap.buypass.no/dc=Buypass,dc=NO,CN=Buypass%20Class%203%20CA%203?certificateRevocationList URL = http://crl.buypass.no/crl/BPClass3CA3.crl	M	N	
Authority Information Access	[1]Authority Info Access Access Method=On-line Certificate Status Protocol(1.3.6.1.5.5.7.48.1) Alternative Name: URL = http://ocsp.buypass.no/ocsp/BPClass3CA3 [2]Authority Info Access Access Method= Certification Authority Issuer (1.3.6.1.5.5.7.48.2) Alternative Name: URL = http://crt.buypass.no/crt/BPClass3CA3.cer	M	N	
Key Usage	Digital Signature, Key Encipherment, Data Encipherment, Key Agreement (0xB8)	M	C	Certificate 1
	Non-Repudiation (0x40)	M	C	Certificate 2

Field	Value	1)	2)	Comment
Extended Key Usage	Client Authentication (1.3.6.1.5.5.7.3.2), Secure Email (1.3.6.1.5.5.7.3.4)	M	N	
Qualified Certificate Statement	esi4-qcStatement-1	M	N	

1.1.2 Certificate profile according to Regulation (EU) No 910/2014 (eIDAS)

Field	Value	1)	2)	Comment
Version	X509 version 3 certificates	M	B	
Serial number	Unique certificate serial number	M	B	
Signature Algorithm	sha256WithRSAEncryption	M	B	sha256WithRSAEncryption OBJECT IDENTIFIER ::= { iso(1) member-body(2) us(840) rsadsi(113549) pkcs(1) pkcs-1(1) 11 }
Issuer	CN=Buypass Class 3 CA 3 O= Buypass AS-983163327 C=NO	M	B	
Validity	notBefore<time> notAfter<time>	M	B	Lifetime of certificate <= 5 years
Subject	C=NO	M	B	
	O=<Subscriber Name>-<Subscriber Id>	O	B	Subscriber Name and Id according to 'Enhetsregisteret'
	OU=<Subscriber Department>	O	B	
	Surname	M	B	LastName
	GivenName	M	B	FirstName + MiddleName
	SerialNumber=9578-4050-<BuypassId>	M	B	<BuypassId>: unique Buypass identifier for Subject
Subject Public Key Info	Subject Public Key	M	B	RSA key size is at least 2032 bits
Basic Constraints	Subject Type=End Entity Path Length Constraint=None	M	B	
Authority Key Identifier	Key Identifier for the CA public key	M	N	
Subject Key Identifier	Key Identifier for the Subject Public Key	M	N	
Certificate Policies	Policy OID= 2.16.578.1.26.1.3.1 or 2.16.578.1.26.1.3.6	M	N	
Subject Alternative Name	RFC822Name=<Subject email address>	O	N	
CRL Distribution Point	URL=ldap://ldap.buypass.no/dc=Buypass,dc=NO,CN=Buypass%20Class%203%20CA%203?certificateRevocationList URL = http://crl.buypass.no/crl/BPClass3CA3.crl	M	N	
Authority Information Access	[1]Authority Info Access Access Method=On-line Certificate Status Protocol(1.3.6.1.5.5.7.48.1) Alternative Name: URL = http://ocsp.buypass.no/ocsp/BPClass3CA3 [2]Authority Info Access Access Method= Certification Authority Issuer (1.3.6.1.5.5.7.48.2) Alternative Name: URL = http://crt.buypass.no/crt/BPClass3CA3.cer	M	N	

Field	Value	1)	2)	Comment
Key Usage	Digital Signature, Key Encipherment (0xA0)	M	C	Certificate 1
	Non-Repudiation (0x40)	M	C	Certificate 2
Extended Key Usage	Client Authentication (1.3.6.1.5.5.7.3.2), Secure Email (1.3.6.1.5.5.7.3.4)	M	N	
Qualified Certificate Statements	esi4-qcStatement-1	M	N	EU Qualified Certificate (QC)
	esi4-qcStatement-6 id-etsi-qct-esign	M	N	EU QC for electronic signatures
	esi4-qcStatement-5 <PdsLocation url= https://www.buypass.no/pds/pds_en.pdf language="en"/>	M	N	URL to PKI Disclosure Statement (PDS)

1) Mandatory or Optional field
2) Basic, Critical or Non-Critical extensions

1.2 Buypass Class 3 Enterprise certificate profile

1.2.1 Certificate profile according to National legislation

Field	Value	1)	2)	Comment
Version	X509 version 3 certificates	M	B	
Serial number	Unique certificate serial number	M	B	
Signature Algorithm	sha256WithRSAEncryption	M	B	sha256WithRSAEncryption OBJECT IDENTIFIER ::= { iso(1) member-body(2) us(840) rsadsi(113549) pkcs(1) pkcs-1(1) 11 }
Issuer	CN=Buypass Class 3 CA 3 O= Buypass AS-983163327 C=NO	M	B	
Validity	notBefore<time> notAfter<time>	M	B	Lifetime of certificate <= 42 months
Subject	C=NO	M	B	
	O=<Subscriber Name>	M	B	According to 'Enhetsregisteret'
	OU=<Subscriber Department>	O	B	
	CN=<Subject name>	M	B	Subject name as defined by Subscriber (e.g. subscriber name, system name, application name)
	SerialNumber=Organization number	M	B	According to 'Enhetsregisteret'
Subject Public Key Info	Subject Public Key	M	B	RSA key size is at least 2048 bits for Soft Tokens and 2032 bits for Hard Tokens
Basic Constraints	Subject Type=End Entity Path Length Constraint=None	M	B	
Authority Key Identifier	Key Identifier for the CA public key	M	N	
Subject Key Identifier	Key Identifier for the Subject Public Key	M	N	
Certificate Policies	Policy OID= 2.16.578.1.26.1.3.2 or Policy OID=2.16.578.1.26.1.3.5	M	N	Soft Token or Hard Token
Subject Alternative Name	RFC822Name=<Subject email address>	O	N	

Field	Value	1)	2)	Comment
CRL Distribution Point	URL=ldap://ldap.buypass.no/dc=Buypass,dc=NO,CN=Buypass%20Class%203%20CA%203?certificateRevocationList URL = http://crl.buypass.no/crl/BPClass3CA3.crl	M	N	
Authority Information Access	[1]Authority Info Access Access Method=On-line Certificate Status Protocol(1.3.6.1.5.5.7.48.1) Alternative Name: URL = http://ocsp.buypass.no/ocsp/BPClass3CA3 [2]Authority Info Access Access Method= Certification Authority Issuer (1.3.6.1.5.5.7.48.2) Alternative Name: URL = http://crt.buypass.no/crt/BPClass3CA3.cer	M	N	
Key Usage	Digital Signature, Key Encipherment, Data Encipherment (0xB0)	M	C	CA generated Private Keys, Certificate 1
	Non-Repudiation (0x40)	M	C	CA generated Private Keys, Certificate 2
Key Usage	Digital Signature, Non-Repudiation, Key Encipherment, (0xE0)	M	C	Subscriber generated Private Key
Extended Key Usage	Client Authentication (1.3.6.1.5.5.7.3.2), Secure Email (1.3.6.1.5.5.7.3.4)	M	N	CA generated Private Keys
Extended Key Usage	Server Authentication (1.3.6.1.5.5.7.3.1) Client Authentication (1.3.6.1.5.5.7.3.2), Secure Email (1.3.6.1.5.5.7.3.4)	M	N	Subscriber generated Private Key

1.2.2 Certificate profile according to Regulation (EU) No 910/2014 (eIDAS)

Field	Value	1)	2)	Comment
Version	X509 version 3 certificates	M	B	
Serial number	Unique certificate serial number	M	B	
Signature Algorithm	sha256WithRSAEncryption	M	B	sha256WithRSAEncryption OBJECT IDENTIFIER ::= { iso(1) member-body(2) us(840) rsadsi(113549) pkcs(1) pkcs-1(1) 11 }
Issuer	CN=Buypass Class 3 CA 3 O= Buypass AS-983163327 C=NO	M	B	
Validity	notBefore<time> notAfter<time>	M	B	Lifetime of certificate <= 42 months
Subject	C=NO	M	B	
	O=<Subscriber Name>	M	B	According to an authoritative source
	OU=<Subscriber Department>	O	B	
	CN=<Subject name>	M	B	Subject name as defined by Subscriber (e.g. subscriber name, system name, application name)
	Organization Identifier	M	B	According to an authoritative source
Subject Public Key Info	Subject Public Key	M	B	RSA key size is at least 2048 bits for Soft Tokens and 2032 bits for Hard Tokens
Basic Constraints	Subject Type=End Entity Path Length Constraint=None	M	B	

Field	Value	1)	2)	Comment
Authority Key Identifier	Key Identifier for the CA public key	M	N	
Subject Key Identifier	Key Identifier for the Subject Public Key	M	N	
Certificate Policies	Policy OID= 2.16.578.1.26.1.3.2 or Policy OID=2.16.578.1.26.1.3.5	M	N	Soft Token or Hard Token
Subject Alternative Name	RFC822Name=<Subject email address>	O	N	
CRL Distribution Point	URL=ldap://ldap.buypass.no/dc=Buypass,dc=NO,CN=Buypass%20Class%203%20CA%203?certificateRevocationList URL = http://crl.buypass.no/crl/BPClass3CA3.crl	M	N	
Authority Information Access	[1]Authority Info Access Access Method=On-line Certificate Status Protocol(1.3.6.1.5.5.7.48.1) Alternative Name: URL = http://ocspec.buypass.com [2]Authority Info Access Access Method= Certification Authority Issuer (1.3.6.1.5.5.7.48.2) Alternative Name: URL = http://crt.buypass.no/crt/BPClass3CA3.cer	M	N	
Key Usage	Digital Signature, Key Encipherment (0xA0)	M	C	CA generated Private Keys, Certificate 1
	Non-Repudiation (0x40)	M	C	CA generated Private Keys, Certificate 2
Key Usage	Digital Signature, Non-Repudiation, Key Encipherment, (0xE0)	M	C	Subscriber generated Private Key
Extended Key Usage	Client Authentication (1.3.6.1.5.5.7.3.2), Secure Email (1.3.6.1.5.5.7.3.4)	M	N	CA generated Private Keys
Extended Key Usage	Server Authentication (1.3.6.1.5.5.7.3.1) Client Authentication (1.3.6.1.5.5.7.3.2), Secure Email (1.3.6.1.5.5.7.3.4)	M	N	Subscriber generated Private Key
Qualified Certificate Statements	esi4-qcStatement-1	M	N	EU Qualified Certificate (QC)
	esi4-qcStatement-6 id-etsi-qct-eseal	M	N	EU QC for electronic seals
	esi4-qcStatement-5 <PdsLocation url= https://www.buypass.no/pds/pds_en.pdf language="en"/>	M	N	URL to PKI Disclosure Statement (PDS)

1) Mandatory or Optional field
2) Basic, Critical or Non-Critical extensions

1.3 Buypass SSL Evident certificate profile

1.3.1 Certificate profile according to CA/Browser Forum EV Guidelines

Field	Value	1)	2)	Comment
Version	X509 version 3 certificates	M	B	
Serial number	Unique certificate serial number	M	B	
Signature Algorithm	sha256WithRSAEncryption	M	B	sha256WithRSAEncryption OBJECT IDENTIFIER ::= { iso(1) member-body(2) us(840)

Field	Value	1)	2)	Comment
				rsadsi(113549) pkcs(1) pkcs-1(1) 11 }
Issuer	CN=Buypass Class 3 CA 2 O= Buypass AS-983163327 C=NO	M	B	
Validity	notBefore<time> notAfter<time>	M	B	Lifetime of certificate <= 825 days
Subject	C=<country>	M	B	According to QGR
	jurisdictionOfIncorporation CountryName=<country>	M	B	OBJECT IDENTIFIER ::= 1.3.6.1.4.1.311.60.2.1.3
	O=<Subscriber Name>	M	B	According to an authoritative source
	OU=<Subscriber Department>	O	B	
	CN=<Domain name>	M	B	Domain name owned or controlled by Subscriber. Wild card not allowed.
	SerialNumber=Organization number	M	B	According to an authoritative source
	BusinessCategory=[“Private Organization” | “Government Entity” | “Business Entity” | “Non-Commercial Entity ”]	M	B	Type of Subject
	LocalityName= <City or town – postal area>	M	B	Physical location of Subscriber place of Business
	PostalCode= <postal code>	M	B	
Subject Public Key Info	Subject Public Key	M	B	RSA key size is at least 2048
Basic Constraints	Subject Type=End Entity Path Length Constraint=None	M	B	
Authority Key Identifier	Key Identifier for the CA public key	M	N	
Subject Key Identifier	Key Identifier for the Subject Public Key	M	N	
Certificate Policies	Policy OID= 2.16.578.1.26.1.3.3 Policy OID= 2.23.140.1.1	M	N	Buypass SSL Evident (EV) OID CABF EV OID from 11.1.2016
	Policy Qualifier ID = id-qt 1	M	N	Reference to CPS
	Policy Qualifier = https://www.buypass.no/cps	M	N	
CRL Distribution Point	URL = http://crl.buypass.no/crl/BPClass3CA2.crl	M	N	
Authority Information Access	[1]Authority Info Access Access Method=On-line Certificate Status Protocol(1.3.6.1.5.5.7.48.1) Alternative Name: URL = http://ocsp.buypass.no/ocsp/BPOcsp before December 2016 and URL = http://ocsp.buypass.com since December 2016 [2]Authority Info Access Access Method= Certification Authority Issuer (1.3.6.1.5.5.7.48.2) Alternative Name: URL = http://crt.buypass.no/crt/BPClass3CA2.cer	M	N	
Subject Alternative Name	DNS Name	M	N	Set of fully qualified domain name(s), where one is equal to Subject.CN

Field	Value	1)	2)	Comment
Key Usage	Digital Signature, Key Encipherment (0xA0)	M	C	
Extended Key Usage	Server Authentication (OID=1.3.6.1.5.5.7.3.1) Client Authentication (OID=1.3.6.1.5.5.7.3.2)	M	N	
Signed Certificate TimeStamp List	(OID=1.3.5.1.4.1.11129.2.4.2)	M	N	2 or 3 Signed Certificate Timestamps from CT-logs embedded in the final certificate
Poison Extentsion	*(OID=1.3.5.1.4.1.11129.2.4.3)*	*M*	*C*	*Poison Extension, Precertificate only*

1.3.2 Certificate profile according to Regulation (EU) No 910/2014 (eIDAS)

Field	Value	1)	2)	Comment
Version	X509 version 3 certificates	M	B	
Serial number	Unique certificate serial number	M	B	
Signature Algorithm	sha256WithRSAEncryption	M	B	sha256WithRSAEncryption OBJECT IDENTIFIER ::= { iso(1) member-body(2) us(840) rsadsi(113549) pkcs(1) pkcs-1(1) 11 }
Issuer	CN=Buypass Class 3 CA 2 O= Buypass AS-983163327 C=NO	M	B	
Validity	notBefore<time> notAfter<time>	M	B	Lifetime of certificate <= 825 days
Subject	C=<country>	M	B	According to an authoritative source
	jurisdictionOfIncorporation CountryName=<country>	M	B	OBJECT IDENTIFIER ::= 1.3.6.1.4.1.311.60.2.1.3
	O=<Subscriber Name>	M	B	According to QGR
	OU=<Subscriber Department>	O	B	
	CN=<Domain name>	M	B	Domain name owned or controlled by Subscriber. Wild card not allowed.
	SerialNumber=Organization number	M	B	According to an authoritative source
	BusinessCategory=[“Private Organization” | “Government Entity” | “Business Entity” | “Non-Commercial Entity ”]	M	B	Type of Subject
	LocalityName= <City or town – postal area>	M	B	Physical location of Subscriber place of Business
	PostalCode= <postal code>	M	B	
Subject Public Key Info	Subject Public Key	M	B	RSA key size is at least 2048
Basic Constraints	Subject Type=End Entity Path Length Constraint=None	M	B	
Authority Key Identifier	Key Identifier for the CA public key	M	N	
Subject Key Identifier	Key Identifier for the Subject Public Key	M	N	

Field	Value	1)	2)	Comment
Certificate Policies	Policy OID= 2.16.578.1.26.1.3.3 Policy OID= 2.23.140.1.1	M	N	Buypass SSL Evident (EV) OID CABF EV OID from 11.1.2016
	Policy Qualifier ID = id-qt 1	M	N	Reference to CPS
	Policy Qualifier = https://www.buypass.no/cps	M	N	
CRL Distribution Point	URL = http://crl.buypass.no/crl/BPClass3CA2.crl	M	N	
Authority Information Access	[1]Authority Info Access Access Method=On-line Certificate Status Protocol(1.3.6.1.5.5.7.48.1) Alternative Name: URL = http://ocsp.buypass.no/ocsp/BPOcsp before December 2016 and URL = http://ocsp.buypass.com since December 2016 [2]Authority Info Access Access Method= Certification Authority Issuer (1.3.6.1.5.5.7.48.2) Alternative Name: URL = http://crt.buypass.no/crt/BPClass3CA2.cer	M	N	
Subject Alternative Name	DNS Name	M	N	Set of fully qualified domain name(s), where one is equal to Subject.CN
Key Usage	Digital Signature, Key Encipherment (0xA0)	M	C	
Extended Key Usage	Server Authentication (OID=1.3.6.1.5.5.7.3.1) Client Authentication (OID=1.3.6.1.5.5.7.3.2)	M	N	
Signed Certificate TimeStamp List	(OID=1.3.5.1.4.1.11129.2.4.2)	M	N	2 or 3 Signed Certificate Timestamps from CT-logs embedded in the final certificate
Poison Extentsion	*(OID=1.3.5.1.4.1.11129.2.4.3)*	*M*	*C*	*Poison Extension, Precertificate only*
Qualified Certificate Statements	esi4-qcStatement-1	M	N	EU Qualified Certificate (QC)
	esi4-qcStatement-6 id-etsi-qct-web	M	N	EU QC for website authentication
	esi4-qcStatement-5 <PdsLocation url= https://www.buypass.no/pds/pds_en.pdf language="en"/>	M	N	URL to PKI Disclosure Statement (PDS)

1) Mandatory or Optional field
2) Basic, Critical or Non-Critical extensions

1.4 Buypass SSL Business Plus certificate profile

Field	Value	1)	2)	Comment
Version	X509 version 3 certificates	M	B	
Serial number	Unique certificate serial number	M	B	
Signature Algorithm	sha256WithRSAEncryption	M	B	sha256WithRSAEncryption OBJECT IDENTIFIER ::= { iso(1) member-body(2) us(840) rsadsi(113549) pkcs(1) pkcs-1(1) 11 }
Issuer	CN=Buypass Class 3 CA 2 O= Buypass AS-983163327	M	B	

Field	Value	1)	2)	Comment
	C=NO			
Validity	notBefore<time> notAfter<time>	M	B	Lifetime of certificate <= 825 days
Subject	C=<country>	M	B	According to an authoritative source
	O=<Subscriber Name>	M	B	According to an authoritative source
	OU=<Subscriber Department>	O	B	
	CN=<Domain name>	M	B	Fully qualified domain name owned or controlled by the Subject
	SerialNumber=Organization number	M	B	According to QGR
	LocalityName= <City or town – postal area>	M	B	Physical location of Subscriber place of Business
	PostalCode= <postal code>	M	B	
Subject Public Key Info	Subject Public Key	M	B	RSA key size is at least 2048 bits
Basic Constraints	Subject Type=End Entity Path Length Constraint=None	M	B	
Authority Key Identifier	Key Identifier for the CA public key.	M	N	
Subject Key Identifier	Key Identifier for the Subject Public Key	M	N	
Certificate Policies	Policy OID= 2.16.578.1.26.1.3.4 Policy OID = 2.23.140.1.2.2	M	N	Buypass SSL Business Plus OID CABF BR OV OID
CRL Distribution Point	URL = http://crl.buypass.no/crl/BPClass3CA2.crl	M	N	
Authority Information Access	[1]Authority Info Access Access Method=On-line Certificate Status Protocol(1.3.6.1.5.5.7.48.1) Alternative Name: URL = http://ocsp.buypass.no/ocsp/BPOcsp before December 2016 and URL = http://ocsp.buypass.com since December 2016 [2]Authority Info Access Access Method= Certification Authority Issuer (1.3.6.1.5.5.7.48.2) Alternative Name: URL = http://crt.buypass.no/crt/BPClass3CA2.cer	M	N	
Subject Alternative Name	DNS Name	M	N	Set of fully qualified domain names and/or wildcard domain names, where one is equal to Subject.CN
Key Usage	Digital Signature, Key Encipherment (0xA0)	M	C	
Extended Key Usage	Server Authentication (OID=1.3.6.1.5.5.7.3.1) Client Authentication (OID=1.3.6.1.5.5.7.3.2)	M	N	
Signed Certificate TimeStamp List	(OID=1.3.5.1.4.1.11129.2.4.2)	M	N	2 or 3 Signed Certificate Timestamps from CT-logs embedded in the final certificate
Poison Extentsion	*(OID=1.3.5.1.4.1.11129.2.4.3)*	*M*	*C*	*Poison Extension, Precertificate only*

1) Mandatory or Optional field
2) Basic, Critical or Non-Critical extensions

1.5 CRL profile

Field	Value	1)	2)	Comment
Version	X509 version 2 CRL	M	B	
Signature Algorithm	sha256WithRSAEncryption	M	B	sha256WithRSAEncryption OBJECT IDENTIFIER ::= { iso(1) member-body(2) us(840) rsadsi(113549) pkcs(1) pkcs-1(1) 11 }
Issuer	CN=Buypass Class 3 CA <ca no> O= Buypass AS-983163327 C=NO	M	B	<ca no> is 2 or 3
This Update	UTCTime	M	B	Time of CRL generation
Next Update	UTCTime	M	B	Latest time the next CRL is issued
Revoked Certificates	List of non-expired revoked certificates	O	B	

Each entry in the RevokedCertificates list has the following content:

Field	Value	1)	2)	Comment
Serial Number	Serial Number of the revoked certificate	M	B	
Revocation Date	UTCTime	M	B	Date and time the revocation was registered
Revocation Reason	Reason Code for the revocation	O	N	

1) Mandatory or Optional field
2) Basic, Critical or Non-Critical extensions

2 Certificate and CRL profiles for CA certificates

2.1 Buypass Class 3 CA certificate profile

2.1.1 Root CA certificate

Field	Value	1)	2)	Comment
Version	X509 version 3 certificates	M	B	
Serial number	Unique certificate serial number	M	B	
Signature Algorithm	sha256WithRSAEncryption	M	B	sha256WithRSAEncryption OBJECT IDENTIFIER ::= { iso(1) member-body(2) us(840) rsadsi(113549) pkcs(1) pkcs-1(1) 11 }
Issuer	CN=Buypass Class 3 Root CA O= Buypass AS-983163327 C=NO	M	B	
Validity	notBefore<time> notAfter<time>	M	B	Lifetime of certificate <= 30 years
Subject	CN=Buypass Class 3 Root CA O= Buypass AS-983163327 C=NO	M	B	

Field	Value	1)	2)	Comment
Subject Public Key Info	Subject Public Key	M	B	RSA key size is at least 4096 bits
Basic Constraints	Subject Type=CA Path Length Constraint=None	M	B	
Subject Key Identifier	Key Identifier for the Root CA public key	M	N	
Key Usage	Certificate Signing, CRL Signing (0x06)	M	C	

2.1.2 Intermediate CA certificates

Field	Value	1)	2)	Comment
Version	X509 version 3 certificates	M	B	
Serial number	Unique certificate serial number	M	B	
Signature Algorithm	sha256WithRSAEncryption	M	B	sha256WithRSAEncryption OBJECT IDENTIFIER ::= { iso(1) member-body(2) us(840) rsadsi(113549) pkcs(1) pkcs-1(1) 11 }
Issuer	CN=Buypass Class 3 Root CA O= Buypass AS-983163327 C=NO	M	B	
Validity	notBefore<time> notAfter<time>	M	B	Lifetime of certificate <= 20 years
Subject	CN=Buypass Class 3 CA <ca no> O= Buypass AS-983163327 C=NO	M	B	<ca no> is 2 or 3
Subject Public Key Info	Subject Public Key	M	B	RSA key size is at least 2048 bits
Basic Constraints	Subject Type=CA Path Length Constraint=None	M	B	
Authority Key Identifier	Key Identifier for the Root CA public key	M	N	
Subject Key Identifier	Key Identifier for the CA Public Key	M	N	
Certificate Policies	Policy OID= <All issuance policies>	M	N	
CRL Distribution Point	URL = http://crl.buypass.no/crl/BPClass3RootCA.crl	M	N	
Authority Information Access	[1]Authority Info Access Access Method=On-line Certificate Status Protocol(1.3.6.1.5.5.7.48.1) Alternative Name: URL = http://ocsp.buypass.com	M	N	For Buypass Class 3 CA 2 only
Key Usage	Certificate Signing, CRL Signing (0x06)	M	C	
Extended Key Usage	Server Authentication (OID=1.3.6.1.5.5.7.3.1) Client Authentication (OID=1.3.6.1.5.5.7.3.2)	M	N	For Buypass Class 3 CA 2 only

1) Mandatory or Optional field
2) Basic, Critical or Non-Critical extensions

2.2 CRL profile

Field	Value	1)	2)	Comment
Version	X509 version 2 CRL	M	B	
Signature Algorithm	sha256WithRSAEncryption	M	B	sha256WithRSAEncryption OBJECT IDENTIFIER ::= { iso(1) member-body(2) us(840) rsadsi(113549) pkcs(1) pkcs-1(1) 11 }
Issuer	CN=Buypass Class 3 Root CA O= Buypass AS-983163327 C=NO	M	B	
This Update	UTCTime	M	B	Time of CRL generation
Next Update	UTCTime	M	B	Latest time the next CRL is issued
Revoked Certificates	List of non-expired revoked CA certificates	O	B	

Each entry in the RevokedCertificates list has the following content:

Field	Value	1)	2)	Comment
Serial Number	Serial Number of the revoked certificate	M	B	
Revocation Date	UTCTime	M	B	Date and time the revocation was registered
Revocation Reason	Reason Code for the revocation	O	N	

1) Mandatory or Optional field
2) Basic, Critical or Non-Critical extensions

3 Revocation status information

3.1 CRL

Buypass Class 3 Root CA:

- http://crl.buypass.no/crl/BPClass3RootCA.crl

Buypass Class 3 CA 2:

- http://crl.buypass.no/crl/BPClass3CA2.crl

Buypass Class 3 CA 3:

- http://crl.buypass.no/crl/BPClass3CA3.crl

3.2 OCSP

Buypass Class 3 Root CA and Buypass Class 2 CA 2:

- http://ocsp.buypass.com – used since December 2016
- http://ocsp.buypass.no/ocsp/BPOcsp - used before December 2016

Buypass Class 3 CA 3:

- http://ocsp.buypass.no/ocsp/BPClass3CA3
- http://ocspec.buypass.com – for Qualified Enterprise certificates according to Regulation (EU) No 910/2014 (eIDAS)