



Siemens Trust Center PKI

CA Hierarchy Policy 2020

Document History

Version	Date	Author	Change Comment
1.0	February 17, 2021	M. Fechter / GS IT HR 7 4	First initial version
1.01	June 5, 2021	M. Fernandez/ CYS INF NEXGEN	Minor reléase versión to include CA2021 Hierarchy

This document will be reviewed every year or in the event of an important ad-hoc change according to the Information Security update process for documents. Each new version will be approved by the respective management level before being released.

This document is published under www.siemens.com/pki.

Scope and Applicability

This document constitutes the Certificate Authority Hierarchy (CA Hierarchy) for the Siemens CA Certificates (Issuing & Root). The purpose of this document is to publicly disclose to subscribers and relying parties the business policies and practices under which Root- and Issuing CA are operated.

Document Status

This document with version 1.2 and status Released has been classified as “Unrestricted”.

	Name	Department	Date
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This document has been approved by the responsible service owner at Siemens CYS INF NG on June 14, 2021.

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1 Introduction

This document explains the Siemens CA Hierarchy 2020 (Root & Issuing).

1.1 Overview

The following picture shows the Siemens Root CAs together with the respective Issuing CAs:

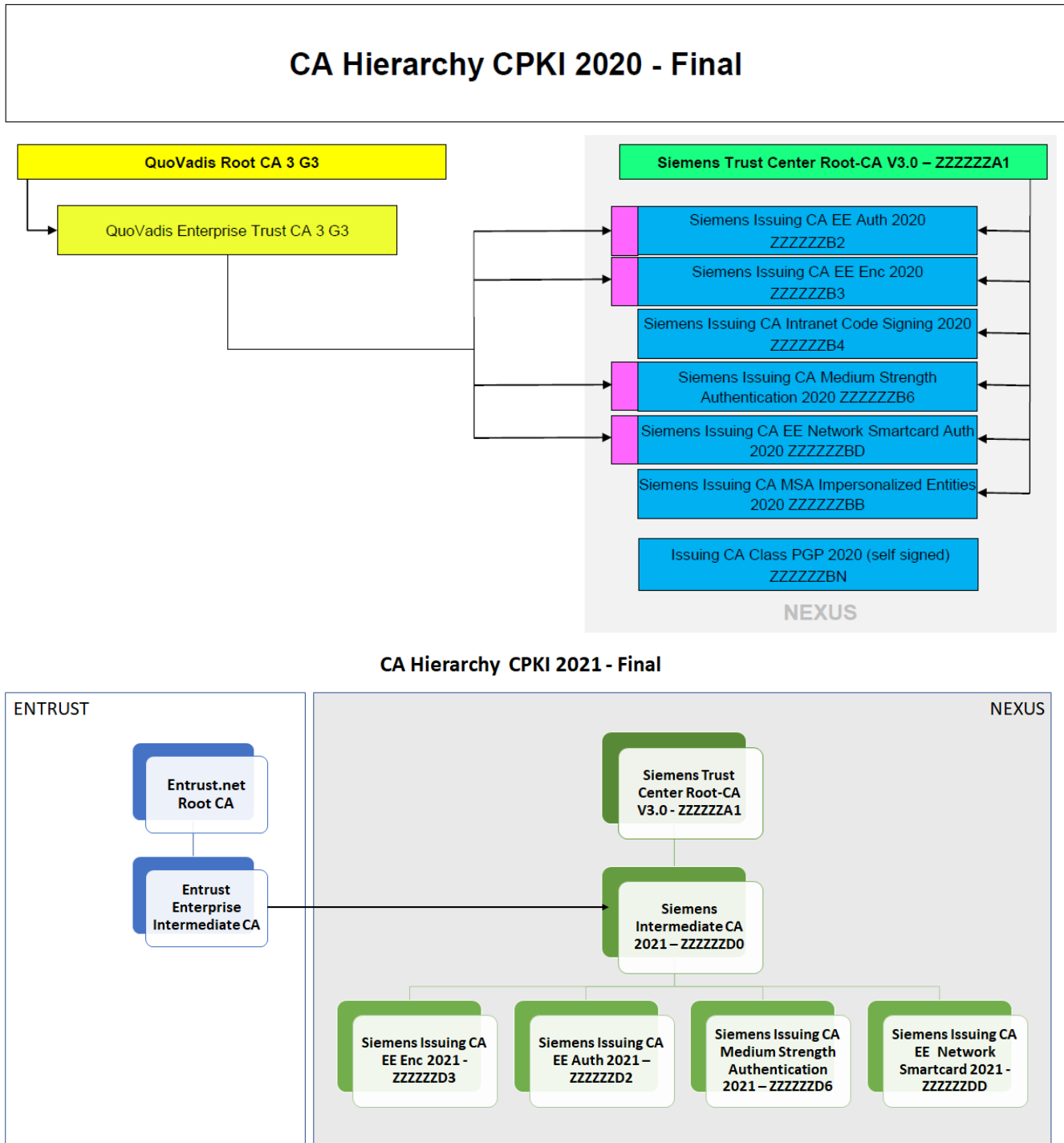


Figure 1: Siemens PKI Hierarchy 2020 and 2021

2 Siemens Root CA

2.1 Siemens Trust Center Root CA V3.0 2016

Contents	Value
Subject Distinguished Name (DN)	CN=Siemens Root CA V3.0 2016;OU=Siemens Trust Center;SN=ZZZZZA1;O=Siemens;L=Muenchen;SP=Bayern;C=DE
	762907e3
Key Length	4096
Signature Algorithm	sha256withRSA
Issuer Distinguished Name (DN)	CN=Siemens Root CA V3.0 2016;OU=Siemens Trust Center;SN=ZZZZZA1;O=Siemens;L=Muenchen;SP=Bayern;C=DE
Not Valid After:	06.06.2028
Authority Key Identifier	Include Authority Key Identifier
Subject Key Identifier	Include Subject Key Identifier
Key Usage critical	Key Cert Sign CRL Sign
Basic Constraints critical	Type=CA Path Length=nothing
Certificate Policies Non-Critical	2.5.29.32.0 http://www.siemens.com/pki/

3 Siemens Issuing CA's 2020

3.1 Siemens Issuing CA EE Auth 2020

Contents	Value
Subject Distinguished Name (DN)	CN=Siemens Issuing CA EE Auth 2020;OU=Siemens Trust Center;SN=ZZZZZB2;O=Siemens;L=Muenchen;SP=Bayern;C=DE
Serial-Number	601c83b3
Key Length	4096
Signature Algorithm	sha256withRSA
Issuer Distinguished Name (DN)	CN=Siemens Root CA V3.0 2016;OU=Siemens Trust Center;SN=ZZZZZA1;O=Siemens;L=Muenchen;SP=Bayern;C=DE
Not Valid After:	24.06.2026
Authority Information Access	ldap://al.siemens.net/CN=ZZZZZA1,L=PKI?cACertificate http://ah.siemens.com/pki?ZZZZZA1.crt ldap://al.siemens.com/uid=ZZZZZA1,o=Trustcenter?cACertificate http://ocsp.siemens.com
Authority Key Identifier	Include Authority Key Identifier
Subject Key Identifier	Include Subject Key Identifier
Key Usage critical	Key Cert Sign CRL Sign
Extended Key Usage Non-Critical	kp-clientAuth kp-emailProtection SmartCard Logon kp-ocspSigning
CRL Distribution Points	ldap://cl.siemens.net/CN=ZZZZZA1,L=PKI?authorityRevocationList http://ch.siemens.com/pki?ZZZZZA1.crl ldap://cl.siemens.com/uid=ZZZZZA1,o=Trustcenter?authorityRevocationList
Basic Constraints critical	Type=CA Path Length=0
Certificate Policies Non-Critical	1.3.6.1.4.1.4329.7
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.7.2.2.3.2.1
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.7.2.2.3.1.1
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.7.2.2.4.1.1
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.7.2.2.3.2.2
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.7.2.2.3.1.2
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.7.2.2.4.1.2
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.7.2.5
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.99
	http://www.siemens.com/pki/

3.2 Siemens Issuing CA EE Enc 2020

Contents	Value
Subject Distinguished Name (DN)	CN=Siemens Issuing CA EE Enc 2020;OU=Siemens Trust Center;SN=ZZZZZB3;O=Siemens;L=Muenchen;SP=Bayern;C=DE
Serial-Number	4724cfb9
Key Length	4096
Signature Algorithm	sha256withRSA
Issuer Distinguished Name (DN)	CN=Siemens Root CA V3.0 2016;OU=Siemens Trust Center;SN=ZZZZZA1;O=Siemens;L=Muenchen;SP=Bayern;C=DE
Not Valid After:	24.06.2026
Authority Information Access	ldap://al.siemens.net/CN=ZZZZZA1,L=PKI?cACertificate http://ah.siemens.com/pki?ZZZZZA1.crt ldap://al.siemens.com/uid=ZZZZZA1,o=Trustcenter?cACertificate http://ocsp.siemens.com
Authority Key Identifier	Include Authority Key Identifier
Subject Key Identifier	Include Subject Key Identifier
Key Usage critical	Key Cert Sign CRL Sign
Extended Key Usage Non-Critical	kp-emailProtection Encrypting File System File Recovery kp-ocspSigning Bitlocker Drive Encryption
CRL Distribution Points	ldap://cl.siemens.net/CN=ZZZZZA1,L=PKI?authorityRevocationList http://ch.siemens.com/pki?ZZZZZA1.crl ldap://cl.siemens.com/uid=ZZZZZA1,o=Trustcenter?authorityRevocationList
Basic Constraints critical	Type=CA Path Length=0
Certificate Policies Non-Critical	1.3.6.1.4.1.4329.7
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.7.2.2.3.2.3
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.7.2.2.3.1.3
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.7.2.2.4.1.3
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.7.2.5
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.99
	http://www.siemens.com/pki/

3.3 Siemens Issuing CA Intranet Code Signing 2020

Contents	Value
Subject Distinguished Name (DN)	CN=Siemens Issuing CA Intranet Code Signing 2020;OU=Siemens Trust Center;SN=ZZZZZB4;O=Siemens;L=Muenchen;SP=Bayern;C=DE
Serial-Number	2c044bc8
Key Length	4096
Signature Algorithm	sha256withRSA
Issuer Distinguished Name (DN)	CN=Siemens Root CA V3.0 2016;OU=Siemens Trust Center;SN=ZZZZZA1;O=Siemens;L=Muenchen;SP=Bayern;C=DE
Not Valid After:	24.06.2026
Authority Information Access	ldap://al.siemens.net/CN=ZZZZZA1,L=PKI?cACertificate http://ah.siemens.com/pki?ZZZZZA1.crt ldap://al.siemens.com/uid=ZZZZZA1,o=Trustcenter?cACertificate http://ocsp.siemens.com
Authority Key Identifier	Include Authority Key Identifier
Subject Key Identifier	Include Subject Key Identifier
Key Usage critical	Key Cert Sign CRL Sign
Extended Key Usage Non-Critical	kp-codeSigning kp-OCSPSigning
CRL Distribution Points	ldap://cl.siemens.net/CN=ZZZZZA1,L=PKI?authorityRevocationList http://ch.siemens.com/pki?ZZZZZA1.crl ldap://cl.siemens.com/uid=ZZZZZA1,o=Trustcenter?authorityRevocationList
Basic Constraints critical	Type=CA Path Length=0
Certificate Policies Non-Critical	1.3.6.1.4.1.4329.7
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.7.2.2.3.2.3
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.7.2.5
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.99
	http://www.siemens.com/pki/

3.4 Siemens Issuing CA Medium Strength Authentication 2020

Contents	Value
Subject Distinguished Name (DN)	CN=Siemens Issuing CA Medium Strength Authentication 2020;OU=Siemens Trust Center;SN=ZZZZZB6;O=Siemens;L=Muenchen;SP=Bayern;C=DE
Serial-Number	7c682bb5
Key Length	4096
Signature Algorithm	sha256withRSA
Issuer Distinguished Name (DN)	CN=Siemens Root CA V3.0 2016;OU=Siemens Trust Center;SN=ZZZZZA1;O=Siemens;L=Muenchen;SP=Bayern;C=DE
Not Valid After:	24.06.2026
Authority Information Access	ldap://al.siemens.net/CN=ZZZZZA1,L=PKI?cACertificate http://ah.siemens.com/pki?ZZZZZA1.crt ldap://al.siemens.com/uid=ZZZZZA1,o=Trustcenter?cACertificate http://ocsp.siemens.com
Authority Key Identifier	Include Authority Key Identifier
Subject Key Identifier	Include Subject Key Identifier
Key Usage critical	Key Cert Sign CRL Sign
Extended Key Usage Non-Critical	kp-ClientAuth kp-emailProtection kp-OCSPSigning
CRL Distribution Points	ldap://cl.siemens.net/CN=ZZZZZA1,L=PKI?authorityRevocationList http://ch.siemens.com/pki?ZZZZZA1.crl ldap://cl.siemens.com/uid=ZZZZZA1,o=Trustcenter?authorityRevocationList
Basic Constraints critical	Type=CA Path Length=0
Certificate Policies Non-Critical	1.3.6.1.4.1.4329.7
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.7.2.2.3.2.3
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.7.2.2.3.1.3
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.7.2.2.4.1.3
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.7.2.5
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.99
	http://www.siemens.com/pki/

3.5 Siemens Issuing CA MSA Impersonalized Entities 2020

Contents	Value
Subject Distinguished Name (DN)	CN=Siemens Issuing CA MSA Impersonalized Entities 2020;OU=Siemens Trust Center;SN=ZZZZZBB;O=Siemens;L=Muenchen;SP=Bayern;C=DE
Serial-Number	727e5b5c
Key Length	4096
Signature Algorithm	sha256withRSA
Issuer Distinguished Name (DN)	CN=Siemens Root CA V3.0 2016;OU=Siemens Trust Center;SN=ZZZZZA1;O=Siemens;L=Muenchen;SP=Bayern;C=DE
Not Valid After:	24.06.2026
Authority Information Access	ldap://al.siemens.net/CN=ZZZZZA1,L=PKI?cACertificate http://ah.siemens.com/pki?ZZZZZA1.crt ldap://al.siemens.com/uid=ZZZZZA1,o=Trustcenter?cACertificate http://ocsp.siemens.com
Authority Key Identifier	Include Authority Key Identifier
Subject Key Identifier	Include Subject Key Identifier
Key Usage critical	Key Cert Sign CRL Sign
Extended Key Usage Non-Critical	kp-ClientAuth kp-OCSPSigning
CRL Distribution Points	ldap://cl.siemens.net/CN=ZZZZZA1,L=PKI?authorityRevocationList http://ch.siemens.com/pki?ZZZZZA1.crl ldap://cl.siemens.com/uid=ZZZZZA1,o=Trustcenter?authorityRevocationList
Basic Constraints critical	Type=CA Path Length=0
Certificate Policies Non-Critical	1.3.6.1.4.1.4329.7
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.7.2.2.3.2.3
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.7.2.5
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.99
	http://www.siemens.com/pki/

3.6 Siemens Issuing CA EE Network Smartcard Auth 2020

Contents	Value
Subject Distinguished Name (DN)	CN=Siemens Issuing CA EE Network Smartcard Auth 2020;OU=Siemens Trust Center;SN=ZZZZZZBD;O=Siemens;L=Muenchen;SP=Bayern;C=DE
Serial-Number	19393306
Key Length	4096
Signature Algorithm	sha256withRSA
Issuer Distinguished Name (DN)	CN=Siemens Root CA V3.0 2016;OU=Siemens Trust Center;SN=ZZZZZZA1;O=Siemens;L=Muenchen;SP=Bayern;C=DE
Not Valid After:	24.06.2026
Authority Information Access	ldap://al.siemens.net/CN=ZZZZZZA1,L=PKI?cACertificate http://ah.siemens.com/pki?ZZZZZZA1.crt ldap://al.siemens.com/uid=ZZZZZZA1,o=Trustcenter?cACertificate http://ocsp.siemens.com
Authority Key Identifier	Include Authority Key Identifier
Subject Key Identifier	Include Subject Key Identifier
Key Usage critical	Key Cert Sign CRL Sign
Extended Key Usage Non-Critical	kp-clientAuth kp-emailProtection SmartCard Logon kp-ocspSigning
CRL Distribution Points	ldap://cl.siemens.net/CN=ZZZZZZA1,L=PKI?authorityRevocationList http://ch.siemens.com/pki?ZZZZZZA1.crl ldap://cl.siemens.com/uid=ZZZZZZA1,o=Trustcenter?authorityRevocationList
Basic Constraints critical	Type=CA Path Length=0
Certificate Policies Non-Critical	1.3.6.1.4.1.4329.7
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.7.2.2.3.1.1
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.7.2.2.4.1.1
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.7.2.5
	http://www.siemens.com/pki/
	1.3.6.1.4.1.4329.99
	http://www.siemens.com/pki/

4 Siemens Intermediate CA's 2021

4.1 Siemens Intermediate CA 2021

Basic Contents	OID	Value	Notes/ Questions
Version		V3	
SerialNumber		3fbea61a	
CA SignatureAlgorithm	1.2.840.113549.1. 1.11	Sha256RSA	
Issuer•CommonName		Siemens Root CA V3.0 2016	
Issuer•OrganisationName		Siemens	
Issuer•CountryName		DE	
Validity•NotBefore		28 May 2021 14:18:36	
Validity•NotAfter		28 July 2025 14:18:36	
Subject•DN		CN = Siemens Intermediate CA 2021 O = Siemens C = DE	
Public Key (length)		RSA (4096 Bits)	
x.509v3 Standard Extensions			
AuthorityInfoAccess		[1]Acceso a información de autoridad Método de acceso=Emisor de la entidad de certificación (1.3.6.1.5.5.7.48.2) Nombre alternativo: Dirección URL=ldap://al.siemens.net/CN=ZZZZZA1,L=PKI?cACertificate	
		[2]Acceso a información de autoridad Método de acceso=Emisor de la entidad de certificación (1.3.6.1.5.5.7.48.2) Nombre alternativo: Dirección URL=http://ah.siemens.com/pki?ZZZZZA1.crt	
		[3]Acceso a información de autoridad Método de acceso=Emisor de la entidad de certificación (1.3.6.1.5.5.7.48.2) Nombre alternativo: Dirección URL=ldap://al.siemens.com/uid=ZZZZZA1,o=Trustcenter?cACertificate	
		[4]Acceso a información de autoridad Método de acceso=Protocolo de estado de certificado en línea (1.3.6.1.5.5.7.48.1) Nombre alternativo: Dirección URL=http://ocsp.siemens.com	
AuthorityKeyIdentifier		706da050eca9d02c679d1915fe4d074335c3e2d4	
SubjectKeyIdentifier		8e47059c577d6060cb48ccf7a2604ed2eb00ba62	
CertificatePolicies		[1] Certificate Policy: Policy Identifier= 1.3.6.1.4.1.4329.7 [2,1]Policy Qualifier Info: Policy Qualifier Id=CPS Qualifier https://www.siemens.com/pki/	[1] Siemens Public Key Infrastructure OID

		[2]Directiva de certificados: Identificador de directiva=Siemens High Assurance [2,1]Información de certificador de directiva: Id. de certificador de directiva=CPS Certificador: https://www.siemens.com/pki/	
		[3]Directiva de certificados: Identificador de directiva=1.3.6.1.4.1.4329.7.2.2.3.1.2 [3,1]Información de certificador de directiva: Id. de certificador de directiva=CPS Certificador: https://www.siemens.com/pki/	[3] Siemens Public Key Infrastructure OID → Authentication to Corporate ID Card for Siemens (legal entity)
		[4] Certificate Policy: Policy Identifier= 1.3.6.1.4.1.4329.7.2.2.3.1.3 [4,1]Policy Qualifier Info: Policy Qualifier Id=CPS Qualifier https://www.siemens.com/pki/	[4] Siemens Public Key Infrastructure OID → Soft-PSE for Siemens employee
		[5]Directiva de certificados: Identificador de directiva=Siemens High Assurance - Test [5,1]Información de certificador de directiva: Id. de certificador de directiva=CPS Certificador: https://www.siemens.com/pki/	[5] Siemens Public Key Infrastructure OID → Authentication to Corporate ID Card for Siemens (person entity)
		[6]Directiva de certificados: Identificador de directiva=1.3.6.1.4.1.4329.7.2.2.3.2.2 [6,1]Información de certificador de directiva: Id. de certificador de directiva=CPS Certificador: https://www.siemens.com/pki/	[6] Siemens Public Key Infrastructure OID → Authentication to Corporate ID Card for Known Business Partner (person entity)
		[7]Directiva de certificados: Identificador de directiva=1.3.6.1.4.1.4329.7.2.2.3.2.3 [7,1]Información de certificador de directiva: Id. de certificador de directiva=CPS Certificador: https://www.siemens.com/pki/	[7] Siemens Public Key Infrastructure OID → Soft-PSE for Siemens legal entity
		[8]Directiva de certificados: Identificador de directiva=Siemens High Assurance - External [8,1]Información de certificador de directiva: Id. de certificador de directiva=CPS Certificador: https://www.siemens.com/pki/	[8] Siemens Public Key Infrastructure OID → Authentication to alternative token for Siemens (legal entity)
		[9]Directiva de certificados: Identificador de directiva=1.3.6.1.4.1.4329.7.2.2.4.1.2 [9,1]Información de certificador de directiva: Id. de certificador de directiva=CPS Certificador:	[9] Siemens Public Key Infrastructure OID → Authentication to alternative token for Siemens (person entity)

		https://www.siemens.com/pki/	
		[10] Certificate Policy: Policy Identifier= 1.3.6.1.4.1.4329.7.2.2.4.1.3 [10,1]Policy Qualifier Info: Policy Qualifier Id=CPS Qualifier https://www.siemens.com/pki/	[10] Siemens Public Key Infrastructure OID → Soft-PSE for Siemens Known Business Partner
		[11] Certificate Policy: Policy Identifier= 1.3.6.1.4.1.4329.7.2.5 [11,1]Policy Qualifier Info: Policy Qualifier Id=CPS Qualifier https://www.siemens.com/pki/	[11] Siemens Public Key Infrastructure OID → OCSP Signer Policy
		[12] Certificate Policy: Policy Identifier= 1.3.6.1.4.1.4329.99 [12,1]Policy Qualifier Info: Policy Qualifier Id=CPS Qualifier https://www.siemens.com/pki/	[12] Siemens Public Key Infrastructure OID → Siemens PKI document version of Certificate Policy (CP)
KeyUsage (CRITICAL)		KeyCertSign	
		CRLSign	
CRLDistributionPoints		[1]Punto de distribución CRL Nombre del punto de distribución: Nombre completo: Dirección URL=ldap://cl.siemens.net/CN=ZZZZZA1,L=PKI?authorityRevocationList Dirección URL=http://ch.siemens.com/pki?ZZZZZA1.crl Dirección URL=ldap://cl.siemens.com/uid=ZZZZZA1,o=Trustcenter?authorityRevocationList	
BasicConstraints (CRITICAL)	CA	True	
	PathLenConstraint	1	
extKeyUsage	(1.3.6.1.5.5.7.3.2)	Autenticación del cliente	
	(1.3.6.1.5.5.7.3.4)	Correo seguro	
	(1.3.6.1.4.1.311.2.0.2.2)	Inicio de sesión de tarjeta inteligente	
	(1.3.6.1.4.1.311.1.0.3.4)	Sistema de cifrado de archivos	
	(1.3.6.1.4.1.311.1.0.3.4.)	Recuperación de archivos	
	(1.3.6.1.4.1.311.6.7.1.1)	Cifrado de unidad BitLocker	

5 Siemens Issuing CA's 2021

5.1 Siemens Issuing CA EE Auth 2021

Basic Contents	OID	Value	Notes/ Questions
Version		V3	
SerialNumber		435b94f668f3112b56b1f226882ffd29	
CA SignatureAlgorithm	1.2.840.113549.1.1.11	Sha256RSA	
Issuer•CommonName		Siemens Intermediate CA 2021	
Issuer•OrganizationName		Siemens	
Issuer•CountryName		DE	
Validity•NotBefore		31 May 2021 14:13:15	
Validity•NotAfter		28 July 2025 14:18:36	
Subject•DN		CN=Siemens Issuing CA EE Auth 2021 OU=Siemens Trust Center SN=ZZZZZD2 O=Siemens SP=Bayern C=DE	
Public Key (length)		RSA (4096 Bits)	
x.509v3 Standard Extensions			
AuthorityInfoAccess		[1]Acceso a información de autoridad Método de acceso=Emisor de la entidad de certificación (1.3.6.1.5.5.7.48.2) Nombre alternativo: Dirección URL=ldap://al.siemens.net/CN=ZZZZZD0,L=PKI?cACertificate	
		[2]Acceso a información de autoridad Método de acceso=Emisor de la entidad de certificación (1.3.6.1.5.5.7.48.2) Nombre alternativo: Dirección URL=http://ah.siemens.com/pki?ZZZZD0.crt	
		[3]Acceso a información de autoridad Método de acceso=Emisor de la entidad de certificación (1.3.6.1.5.5.7.48.2) Nombre alternativo:	

		Dirección URL=ldap://al.siemens.com/uid=ZZZ ZZZD0,o=Trustcenter?cACertificate	
		[4] Acceso a información de autoridad Método de acceso=Protocolo de estado de certificado en línea (1.3.6.1.5.5.7.48.1) Nombre alternativo: Dirección URL=http://ocsp.siemens.com	
AuthorityKeyIdentifier		8e47059c577d6060cb48ccf7a2604ed 2eb00ba62	
SubjectKeyIdentifier		dc2ca79241ae419a17ecc6e5303deb c2206688dd	
CertificatePolicies		[1] Directiva de certificados: Identificador de directiva=1.3.6.1.4.1.4329.7 [1,1] Información de certificador de directiva: Id. de certificador de directiva=CPS Certificador: https://www.siemens.com/pki/	[1] Siemens Public Key Infrastructure OID
		[2] Directiva de certificados: Identificador de directiva=Siemens High Assurance [2,1] Información de certificador de directiva: Id. de certificador de directiva=CPS Certificador: https://www.siemens.com/pki/	
		[3] Directiva de certificados: Identificador de directiva=1.3.6.1.4.1.4329.7.2.2.3.1.2 [3,1] Información de certificador de directiva: https://www.siemens.com/pki/	[3] Siemens Public Key Infrastructure OID → Authentication to Corporate ID Card for Siemens (legal entity)
		[4] Directiva de certificados: Identificador de directiva=Siemens High Assurance - Test [4,1] Información de certificador de directiva: Certificador: https://www.siemens.com/pki/	[4] Siemens Public Key Infrastructure OID → Authentication to Corporate ID Card for Siemens (person entity)
		[5] Directiva de certificados: Identificador de directiva=1.3.6.1.4.1.4329.7.2.2.3.2.2 [5,1] Información de certificador de directiva: Id. de certificador de directiva=CPS Certificador: https://www.siemens.com/pki/	[5] Siemens Public Key Infrastructure OID → Authentication to Corporate ID Card for Known Business Partner (person entity)

		[6]Directiva de certificados: Identificador de directiva=Siemens High Assurance - External [6,1]Información de certificador de directiva: Id. de certificador de directiva=CPS Certificador: https://www.siemens.com/pki/	[6] Siemens Public Key Infrastructure OID → Authentication to alternative token for Siemens (legal entity)
		[7]Directiva de certificados: Identificador de directiva=1.3.6.1.4.1.4329.7.2.2.4.1.2 [7,1]Información de certificador de directiva: Id. de certificador de directiva=CPS Certificador: https://www.siemens.com/pki/	[7] Siemens Public Key Infrastructure OID → Authentication to alternative token for Siemens (person entity)
		[8]Directiva de certificados: Identificador de directiva=1.3.6.1.4.1.4329.7.2.5 [8,1]Información de certificador de directiva: Id. de certificador de directiva=CPS Certificador: https://www.siemens.com/pki/	[8] Siemens Public Key Infrastructure OID → Authentication to alternative token for Known Business partner (person entity)
		[9]Directiva de certificados: Identificador de directiva=1.3.6.1.4.1.4329.99 [9,1]Información de certificador de directiva: Id. de certificador de directiva=CPS Certificador: https://www.siemens.com/pki/	[9] Siemens Public Key Infrastructure OID → OCSP Signer Policy
KeyUsage (CRITICAL)		KeyCertSign	
		CRLSign	
CRLDistributionPoints		[1]Punto de distribución CRL Nombre del punto de distribución: Nombre completo: Dirección URL=ldap://cl.siemens.net/CN=ZZZZZD0,L=PKI?authorityRevocationList Dirección URL=http://ch.siemens.com/pki?ZZZZD0.crl Dirección URL=ldap://cl.siemens.com/uid=ZZZZZZD0,o=Trustcenter?authorityRevocationList	
BasicConstraints	CA	True	

(CRITICAL)	PathLenConstr aint	0	
extKeyUsage	1.3.6.1.5.5.7.3.2	kp-ClientAuth	
	1.3.6.1.5.5.7.3.4	kp-emailProtection	
	1.3.6.1.4.1.3.11.20.2.2	Smartcard logon	

5.2 Siemens Issuing CA EE ENC 2021

Basic Contents	OID	Value	Notes/ Questions
Version		V3	
SerialNumber		50094f56b2286daace7c6aed623f9968	
CA SignatureAlgori thm	1.2.840.113549.1.1.11	Sha256RSA	
Issuer•Commo nName		Siemens Intermediate CA 2021	
Issuer•Organis ationName		Siemens	
Issuer•Country Name		DE	
Validity•NotBe fore		31 May 2021 14:24:15	
Validity•NotAft er		28 July 2025 14:18:36	
Subject•DN		CN = Siemens Issuing CA EE Enc 2021 SERIALNUMBER = ZZZZZD3 O = Siemens S = Bayern C = DE	
Public Key (length)		RSA (4096 Bits)	
x.509v3 Standard Extensions			
AuthorityInfoA ccess		[1]Acceso a información de autoridad Método de acceso=Emisor de la entidad de certificación (1.3.6.1.5.5.7.48.2) Nombre alternativo: Dirección URL=ldap://al.siemens.net/CN =ZZZZZD0,L=PKI?cACertificate	
		[2]Acceso a información de autoridad Método de acceso=Emisor de la entidad de certificación (1.3.6.1.5.5.7.48.2) Nombre alternativo: Dirección URL=http://ah.siemens.com/p ki?ZZZZZD0.crt	
		[3]Acceso a información de autoridad Método de acceso=Emisor de la entidad de certificación (1.3.6.1.5.5.7.48.2)	

		Nombre alternativo: Dirección URL=ldap://al.siemens.com/ui d=ZZZZZA1,o=Trustcenter?cA Certificate	
		[4] Acceso a información de autoridad Método de acceso=Protocolo de estado de certificado en línea (1.3.6.1.5.5.7.48.1) Nombre alternativo: Dirección URL=http://ocsp.siemens.com	
AuthorityKeyIdentifier		8e47059c577d6060cb48ccf7a 2604ed2eb00ba62	
SubjectKeyIdentifier		08dcfec8119cf53baec8df2b43 4547f6364cdaa5	
		[1] Certificate Policy: Policy Identifier= 1.3.6.1.4.1.4329.7 [2,1] Policy Qualifier Info: Policy Qualifier Id=CPS Qualifier https://www.siemens.com/pki/	[1] Siemens Public Key Infrastructure OID
		[2] Certificate Policy: Policy Identifier= 1.3.6.1.4.1.4329.7.2.2.3.2.3 [3,1] Policy Qualifier Info: Policy Qualifier Id=CPS Qualifier https://www.siemens.com/pki/	[2] Siemens Public Key Infrastructure OID → Soft-PSE for Siemens legal entity
		[3] Certificate Policy: Policy Identifier= 1.3.6.1.4.1.4329.7.2.2.3.1.3 [3,1] Policy Qualifier Info: Policy Qualifier Id=CPS Qualifier https://www.siemens.com/pki/	[3] Siemens Public Key Infrastructure OID → Encryption on Corporate ID Card for Siemens employee (person entity)
		[4] Certificate Policy: Policy Identifier= 1.3.6.1.4.1.4329.7.2.2.4.1.3 [4,1] Policy Qualifier Info: Policy Qualifier Id=CPS Qualifier https://www.siemens.com/pki/	[4] Siemens Public Key Infrastructure OID → Encryption on Corporate ID Card for Known Business Partner (person entity)
		[5] Certificate Policy: Policy Identifier= 1.3.6.1.4.1.4329.7.2.5 [5,1] Policy Qualifier Info: Policy Qualifier Id=CPS Qualifier https://www.siemens.com/pki/	[5] Siemens Public Key Infrastructure OID → OCSP Signer Policy

		[6] Certificate Policy: Policy Identifier= 1.3.6.1.4.1.4329.99 [6,1]Policy Qualifier Info: Policy Qualifier Id=CPS Qualifier https://www.siemens.com/pki/	[6] Siemens Public Key Infrastructure OID →Siemens PKI document version of Certificate Policy (CP & CPS)
KeyUsage (CRITICAL)		KeyCertSign	
		CRLSign	
CRLDistributionPoints		[1]Punto de distribución CRL Nombre del punto de distribución: Nombre completo: Dirección URL=ldap://cl.siemens.net/CN=ZZZZZD0,L=PKI?authorityRevocationList Dirección URL=http://ch.siemens.com/pki?ZZZZZD0.crl Dirección URL=ldap://cl.siemens.com/uid=ZZZZZD0,o=Trustcenter?authorityRevocationList	
BasicConstraints (CRITICAL)	CA	True	
	PathLenConstraint	0	
extKeyUsage	1.3.6.1.5.5.7.3.4	kp-emailProtection	
	1.3.6.1.4.1.3.11.10.3.4	Encrypting File System (szOID_EFS_CRYPT0)	
	1.3.6.1.4.1.3.11.10.3.4.1	Microsoft EFS File Recovery (szOID_EFS_RECOVERY)	
	1.3.6.1.4.1.3.11.67.1.1	driveEncryption bitlocker to Go	

5.3 Siemens Issuing CA EE Medium Strength

Basic Contents	OID	Value	Notes/ Questions
Version		V3	
SerialNumber		474b9852d859806390a3006dc7b57e17	
CA SignatureAlgorithm	1.2.840.113549.1.1.11	Sha256RSA	
Issuer•CommonName		Siemens Intermediate CA 2021	
Issuer•OrganisationName		Siemens	
Issuer•CountryName		DE	
Validity•NotBefore		31 May 2021 14:30:08	
Validity•NotAfter		28 July 2025 14:18:36	
Subject•DN		CN = Siemens Issuing CA Medium Strength Authentication 2021 SERIALNUMBER = ZZZZZD6 O = Siemens S = Bayern C = DE	
Public Key (length)		RSA (4096 Bits)	
x.509v3 Standard Extensions			

AuthorityInfoAccess		[1] Acceso a información de autoridad Método de acceso=Emisor de la entidad de certificación (1.3.6.1.5.5.7.48.2) Nombre alternativo: Dirección URL=ldap://al.siemens.net/CN=ZZZZZZD0,L=PKI?cACertificate	
		[2] Acceso a información de autoridad Método de acceso=Emisor de la entidad de certificación (1.3.6.1.5.5.7.48.2) Nombre alternativo: Dirección URL=http://ah.siemens.com/pki?ZZZZZZD0.crt	
		[3] Acceso a información de autoridad Método de acceso=Emisor de la entidad de certificación (1.3.6.1.5.5.7.48.2) Nombre alternativo: Dirección URL=ldap://al.siemens.com/uid=ZZZZZZD0,o=Trustcenter?cACertificate	
		[4] Acceso a información de autoridad Método de acceso=Protocolo de estado de certificado en línea (1.3.6.1.5.5.7.48.1) Nombre alternativo: Dirección URL=http://ocsp.siemens.com	
AuthorityKeyIdentifier		8e47059c577d6060cb48ccf7a2604ed2eb00ba62	
SubjectKeyIdentifier		5b4455b948679b326df9fce067116f13ce02e4df	
CertificatePolicies		[1] Certificate Policy: Policy Identifier= 1.3.6.1.4.1.4329.7 [2,1] Policy Qualifier Info: Policy Qualifier Id=CPS Qualifier https://www.siemens.com/pki/	[1] Siemens Public Key Infrastructure OID
		[2] Certificate Policy: Policy Identifier= 1.3.6.1.4.1.4329.7.2.2.3.2.3 [2,1] Policy Qualifier Info: Policy Qualifier Id=CPS Qualifier https://www.siemens.com/pki/	[2] Siemens Public Key Infrastructure OID → Soft-PSE for Siemens legal entity
		[3] Certificate Policy: Policy Identifier= 1.3.6.1.4.1.4329.7.2.2.3.1.3 [3,1] Policy Qualifier Info: Policy Qualifier Id=CPS Qualifier https://www.siemens.com/pki/	[3] Siemens Public Key Infrastructure OID → Soft-PSE for Siemens employee
		[4] Certificate Policy: Policy Identifier= 1.3.6.1.4.1.4329.7.2.2.4.1.3 [4,1] Policy Qualifier Info: Policy Qualifier Id=CPS Qualifier https://www.siemens.com/pki/	[4] Siemens Public Key Infrastructure OID → Soft-PSE for Siemens Known Business Partner
		[5] Certificate Policy: Policy Identifier= 1.3.6.1.4.1.4329.7.2.5	[5] Siemens Public Key Infrastructure OID

		[5,1]Policy Qualifier Info: Policy Qualifier Id=CPS Qualifier https://www.siemens.com/pki/	→OCSP Signer Policy
		[6] Certificate Policy: Policy Identifier= 1.3.6.1.4.1.4329.99 [6,1]Policy Qualifier Info: Policy Qualifier Id=CPS Qualifier https://www.siemens.com/pki/	[6] Siemens Public Key Infrastructure OID →Siemens PKI document version of Certificate Policy (CP)
KeyUsage (CRITICAL)		KeyCertSign	
		CRLSign	
CRLDistributionPoints		[1]Punto de distribución CRL Nombre del punto de distribución: Nombre completo: Dirección URL=ldap://cl.siemens.net/CN=ZZZZZZD0,L=PKI?authorityRevocationList Dirección URL=http://ch.siemens.com/pki?ZZZZZZD0.crl Dirección URL=ldap://cl.siemens.com/uid=ZZZZZZD0,o=Trustcenter?authorityRevocationList	
BasicConstraints (CRITICAL)	CA	True	
	PathLenConstraint	0	
extKeyUsage	1.3.6.1.5.5.7.3.2	kp-ClientAuth	
	1.3.6.1.5.5.7.3.4	kp-emailProtection	

5.4 Siemens Issuing CA EE Network Smartcard Auth 2021

Basic Contents	OID	Value	Notes/ Questions
Version		V3	
SerialNumber		Automatically generated	
CA SignatureAlgorithm	1.2.840.113549.1.1.11	Sha256RSA	
Issuer•CommonName		Siemens Intermediate CA 2021	
Issuer•Organisation Name		Siemens	
Issuer•CountryName		DE	
Validity•NotBefore		31 May 2021 14:36:20	
Validity•NotAfter		28 July 2025 14:18:36	
Subject•DN		CN = Siemens Issuing CA EE Network Smartcard Auth 2021 SERIALNUMBER = ZZZZZZDD O = Siemens S = Bayern C = DE	
Public Key (length)		RSA (4096 Bits)	
x.509v3 Standard Extensions			

AuthorityInfoAccess		[1]Acceso a información de autoridad Método de acceso=Emisor de la entidad de certificación (1.3.6.1.5.5.7.48.2) Nombre alternativo: Dirección URL=ldap://al.siemens.net/CN=ZZZZZZD0,L=PKI?cACertificate	
		[2]Acceso a información de autoridad Método de acceso=Emisor de la entidad de certificación (1.3.6.1.5.5.7.48.2) Nombre alternativo: Dirección URL=http://ah.siemens.com/pki?ZZZZZZD0.crt	
		[3]Acceso a información de autoridad Método de acceso=Emisor de la entidad de certificación (1.3.6.1.5.5.7.48.2) Nombre alternativo: Dirección URL=ldap://al.siemens.com/uid=ZZZZZZD0,o=Trustcenter?cACertificate	
		[4]Acceso a información de autoridad Método de acceso=Protocolo de estado de certificado en línea (1.3.6.1.5.5.7.48.1) Nombre alternativo: Dirección URL=http://ocsp.siemens.com	
AuthorityKeyIdentifier		8e47059c577d6060cb48ccf7a2604ed2eb00ba62	
SubjectKeyIdentifier		dab86e360e9f4e56795386da1d8a2d97e80f1dbd	
		[1]Directiva de certificados: Identificador de directiva=1.3.6.1.4.1.4329.7 [1,1]Información de certificador de directiva: Id. de certificador de directiva=CPS Certificador: https://www.siemens.com/pki/	[1] Siemens Public Key Infrastructure OID
		[2]Directiva de certificados: Identificador de directiva=Siemens High Assurance [2,1]Información de certificador de directiva: Id. de certificador de directiva=CPS Certificador: https://www.siemens.com/pki/	

		[3]Directiva de certificados: Identificador de directiva=Siemens High Assurance - External [3,1]Información de certificador de directiva: Id. de certificador de directiva=CPS Certificador: https://www.siemens.com/pki/	[3] Siemens Public Key Infrastructure OID → Authentication to alternative token for Siemens (legal entity)
		[4]Directiva de certificados: Identificador de directiva=1.3.6.1.4.1.4329.7.2.2.4.1.3 [4,1]Información de certificador de directiva: Id. de certificador de directiva=CPS Certificador: https://www.siemens.com/pki/	[4] Siemens Public Key Infrastructure OID → Soft-PSE for Siemens Known Business Partner
		[5] Certificate Policy: Policy Identifier= 1.3.6.1.4.1.4329.7.2.5 [5,1]Policy Qualifier Info: Policy Qualifier Id=CPS Qualifier https://www.siemens.com/pki/	[5] Siemens Public Key Infrastructure OID → OCSP Signer Policy
		[6] Certificate Policy: Policy Identifier= 1.3.6.1.4.1.4329.99 [6,1]Policy Qualifier Info: Policy Qualifier Id=CPS Qualifier https://www.siemens.com/pki/	[6] Siemens Public Key Infrastructure OID → Siemens PKI document version of Certificate Policy (CP)
KeyUsage (CRITICAL)		KeyCertSign	
		CRLSign	
CRLDistributionPoints		[1]Punto de distribución CRL Nombre del punto de distribución: Nombre completo: Dirección URL=ldap://cl.siemens.net/CN=ZZZZZZD0 ,L=PKI?authorityRevocationList Dirección URL=http://ch.siemens.com/pki?ZZZZZZD0.crl Dirección URL=ldap://cl.siemens.com/uid=ZZZZZZD0,o=Trustcenter?authorityRevocationList	
BasicConstraints (CRITICAL)	CA	True	
	PathLenConstraint	0	
extKeyUsage	1.3.6.1.5.5.7.3.2	kp-ClientAuth	
	1.3.6.1.5.5.7.3.4	kp-emailProtection	

	1.3.6.1.4.1.311.2 0.2.2	Smartcard logon	