

## CA Certificate Chain

Total number of certificates: 2

## ORC ECA SW 5 CA Signing Certificate:

### Certificate Subject DN

CN=ORC ECA SW 5, OU=Certification Authorities, OU=ECA, O=U.S. Government, C=US

### Certificate in base64 encoded format

-----BEGIN CERTIFICATE-----

```
MIIEXDCCA0SgAwIBAgIBFzANBgkqhkiG9w0BAQUFADBNMQswCQYDVQQGEwJVUzEY
MBYGA1UEChMPVS5TLiBhb3Zlcm5tZW50MQwwCgYDVQQLEwNFQ0ExFjAUBgNVBAMT
DUVDQSBSb290IENBIDlwHhcNMTQwNTE5MTIzMzU1W1W1W1W1W1W1W1W1W1W1W1
MQswCQYDVQQGEwJVUzEYMBYGA1UEChMPVS5TLiBhb3Zlcm5tZW50MQwwCgYDVQQLEw
NFQ0ExFjAUBgNVBAsTGUUNlcnRpZmljYXRpb24gQXV0aG9yaXRpZXMxFTATBgNV
BAMTDE9SQyBFQ0EgU1cgNTCCASlwdQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEB
AOot+GI+LzM0TqElyp1asgmS3TRXvu+gqqYJ6qPoH6CqLV/2gX1zJrPyOT5bnvgA
S3Lpw9kcd2uNlujh6WS+Pd7wZy0DfK2kAV7tETepxzKpuSujoSvqYhbSVU1D/5PM
oiGtc0fgpmu12UqeaSnIA1bsJnqLYzld33i/tzjWUWXJmpw9KaBgd2/ITkJzyYv
wYLuM99udYgM60ArXUZig3S0stvT5vh7U05Q+gOUFb2mpW61ZmJUvTft7KX+iWzV
kQRQ02SMs+rvbqYHBH7RNY9O8pH1ILfoGnEwOx4dGv8kSPWYeUZhWOFsftoGmKnW
JIHaGbWY8iaKoYJHGDC4Rt0CAwEAaOCASlwggeEEMB0GA1UdDgQWBBS8D3cljaOz
hUPCNPnmrAKpd8M9UjAfBgNVHSMEGDAWgBTt5IfQJ8RQ5oQ698z36zpJ/FJOITAS
BgNVHRMBAf8ECDAGAQH/AgEAMA4GA1UdDwEB/wQEAwIBhjAzBgNVHSAELDAqMAwG
CmCGSAFIAwIBDAEwDAYKYIZIAWUDAgEMAJAMBgpghkgBZQMCAQwDMDcGA1UdHwQw
MC4wLKAqoCiGJmh0dHA6Ly9jcmwuZGlzYS5taWwvY3Jsl0VDQVJPT1RDQTIuY3Js
MEoGCCsGAQUFBwEBBD4wPDA6BgggrBgEFBQcwAoYuaHR0cDovL2Nybc5kaXNhLm1p
bC9pc3N1ZWROby9FQ0FST09UQ0EYX0IULnA3YzANBgkqhkiG9w0BAQUFAAOCAQEA
aT+PlpljGG1stPBlyqF3036h6UMol7hHM6qi0P1m34CalXTXQVIQKGXVYnRac3cg
XG7dJoViXa0FzAzLpRMSolmXDZB1i0dGAVTpbjPJOg/4HsJt12tJ47iMW8Rvga
F7oeQo0Bi6SSBE4pS6tLoHuSKI9a+tI2mJu7pDMWGSwV4BbMIQxQOBI1Tpml/Lls
p/uto6BaAgT07hCCIL8ahVG+/OPY/qs+UAm8MzKlqdv71ajGRr6aMf2EZFsl7g
RtQ9Bo3coSuTLr1j5o/tYfeFoPZUQmKI9slqCOVuo2/PbQZ7XSam1XMRBcq57qu/
8QAxr28x2Lk1PEXyqRczEg==
```

-----END CERTIFICATE-----

### Certificate Contents

Certificate:

Data:

Version: 3 (0x2)

Serial Number: 23 (0x17)

Signature Algorithm: sha1WithRSAEncryption

Issuer: CN=ECA Root CA 2, OU=ECA, O=U.S. Government, C=US

Validity

Not Before: May 19 12:33:55 2014 GMT

Not After : May 18 12:33:55 2020 GMT

Subject: CN=ORC ECA SW 5, OU=Certification Authorities, OU=ECA, O=U.S. Government, C=US

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:ea:2d:f8:62:3e:2f:33:34:4e:a1:08:ca:9d:5a:

b2:09:92:dd:34:57:be:ef:a0:aa:a6:09:ea:a3:e8:

1f:a0:aa:2d:5f:f6:81:7d:73:26:b3:f2:39:3e:5b:

9e:f8:00:4b:72:e9:c3:d9:1c:0f:6b:8d:96:e8:63:  
e9:64:be:3d:de:f0:67:2d:03:7c:ad:a4:01:5e:ed:  
11:37:a9:c7:32:a9:b9:2b:a3:a1:2b:ea:62:16:d2:  
55:4d:43:ff:93:cc:a2:21:ad:73:47:e0:a6:6b:88:  
d9:4a:9e:69:29:c8:03:56:ec:26:7a:b2:2d:8c:c8:  
77:7d:e2:fe:dc:e3:59:45:97:26:6a:70:f4:a6:81:  
81:dd:bf:95:39:09:cf:26:2f:c1:82:ee:33:df:6e:  
75:81:a6:eb:40:2b:5d:46:62:83:74:b4:b2:db:d3:  
e6:f8:7b:50:ee:50:fa:03:94:15:bd:a6:a5:6e:b5:  
66:62:54:bd:37:d3:ec:a5:fe:89:6c:d5:91:04:50:  
d3:64:8c:b3:ea:ef:6e:a6:07:04:7e:d1:35:8f:4e:  
f2:91:f5:20:b7:e8:1a:71:30:3b:1e:1d:1a:ff:24:  
48:f5:98:79:46:61:c0:e1:6c:7e:da:06:98:a9:d6:  
26:51:da:19:b5:98:f2:26:8a:a1:82:47:18:37:38:  
46:dd

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

BC:0F:77:0B:8D:A3:B3:85:43:C2:36:93:66:AC:02:A9:77:C3:3D:52

X509v3 Authority Key Identifier:

keyid:ED:E4:87:D0:27:C4:50:E6:84:3A:F7:CC:F7:EB:3A:49:FC:52:4E:21

X509v3 Basic Constraints: critical

CA:TRUE, pathlen:0

X509v3 Key Usage: critical

Digital Signature, Certificate Sign, CRL Sign

X509v3 Certificate Policies:

Policy: 2.16.840.1.101.3.2.1.12.1

Policy: 2.16.840.1.101.3.2.1.12.2

Policy: 2.16.840.1.101.3.2.1.12.3

X509v3 CRL Distribution Points:

Full Name:

URI:http://crl.disa.mil/crl/ECAROOTCA2.crl

Authority Information Access:

CA Issuers - URI:http://crl.disa.mil/issuedto/ECAROOTCA2\_IT.p7c

Signature Algorithm: sha1WithRSAEncryption

69:3f:8f:96:92:23:18:6d:6c:b4:f0:65:ca:a1:77:3b:7e:a1:  
e9:43:28:23:b8:47:33:aa:a2:d0:fd:66:df:80:9a:21:74:d7:  
41:59:50:28:65:d5:62:74:5a:73:77:20:5c:6e:dd:26:85:62:  
5d:ad:05:cc:0c:e5:2e:94:4c:4a:89:66:5c:36:41:d6:2d:1d:  
18:05:53:a6:36:df:3c:93:86:ff:81:ec:26:dd:76:b4:9e:3b:  
88:c5:bc:46:f8:1a:17:ba:1e:42:8d:01:8b:a4:92:04:4e:29:  
4b:ab:4b:a0:7b:92:28:8f:5a:fa:d2:36:98:9b:bb:a4:33:16:  
19:2c:15:e0:16:cc:21:0c:50:38:12:35:4e:99:88:fc:b9:6c:  
a7:fb:ad:a3:a0:5a:02:0b:4f:d3:b8:42:08:82:fc:6a:15:46:  
fb:f3:8f:63:fa:ac:f9:40:26:f0:cc:ca:22:a7:6f:77:bd:5a:  
8c:64:6b:e9:a3:1f:d8:46:45:b2:5e:e0:46:d4:3d:06:8d:dc:  
a1:2b:93:2e:bd:63:e6:8f:ed:61:f7:85:a0:f6:54:42:62:88:  
f6:c2:2a:08:e5:6e:a3:6f:cf:6d:06:7b:5d:26:a6:d5:73:11:  
05:ca:b9:ee:ab:bf:f1:00:31:af:6f:31:d8:b9:35:3c:4c:58:  
a9:17:33:12



53:f7:d9:1c:37:1d:e6:3c:f0:fa:d3:f1:f9:a1:98:  
f1:37:85:d8:cf:02:60:f0:a0:38:94:4b:51:28:09:  
c2:17:fc:40:a4:61:79:0e:b4:8c:1b:20:82:62:f5:  
e4:9a:d6:29:8a:36:fa:1f:81:c0:a1:11:31:4b:fe:  
56:fd:d8:bf:51:93:27:59:da:f5:83:3e:44:a4:df:  
d5:20:67:eb:9f:00:a7:fb:de:31:b6:63:31:1c:3d:  
f7:1c:6c:09:8d:7f:f4:ba:9c:a8:7c:1f:01:c6:80:  
6d:01:01:d8:37:a8:fe:2d:7d:2b:c2:cb:d6:e9:9c:  
ba:94:8d:76:16:de:cc:81:75:04:7b:41:77:15:65:  
15:c9:ac:00:b6:bf:eb:1c:dc:b9:8d:64:2d:ff:35:  
db:c5

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

ED:E4:87:D0:27:C4:50:E6:84:3A:F7:CC:F7:EB:3A:49:FC:52:4E:21

X509v3 Key Usage: critical

Digital Signature, Certificate Sign, CRL Sign

X509v3 Basic Constraints: critical

CA:TRUE

Subject Information Access:

CA Repository - URI:<http://crl.gds.disa.mil/getIssuedBy?ECA%20Root%20CA%20>

CA Repository -

URI:<ldap://crl.gds.disa.mil/cn%3dECA%20Root%20CA%20%2ccou%3dECA%2co%3dU.S.%20Government%2cc%3dUS?crossCertificatePair;binary>

Signature Algorithm: sha1WithRSAEncryption

4a:cc:1b:e7:85:88:93:23:d9:b9:be:cf:ba:f1:35:94:c1:4b:  
3c:13:70:5d:83:2e:4e:7e:c1:56:0f:2d:c1:7e:1f:0d:e9:dd:  
fe:02:99:7c:60:e3:86:aa:b9:86:23:c3:17:7e:c7:11:0f:e3:  
d0:42:56:a3:1c:f3:70:8f:b1:88:91:b5:bc:0e:89:25:66:c8:  
3f:5f:36:2a:0e:3e:b6:67:40:8c:3d:40:df:a7:62:e0:38:18:  
fa:24:6d:2d:23:d3:c0:b8:74:5e:95:44:54:7a:21:97:0f:5a:  
cd:c3:fc:95:3d:22:22:15:dd:18:60:5d:85:37:a9:4d:f7:81:  
fc:bd:4a:a6:58:8c:4f:bf:c7:65:a1:ff:e2:d3:34:48:1a:17:  
01:32:f2:84:f3:de:05:b2:64:49:98:37:cd:21:f5:a8:81:5b:  
64:c5:da:7c:58:b0:61:61:1f:ad:c0:ad:ed:34:b6:94:ab:c7:  
9c:ec:65:97:29:85:94:94:33:c4:35:24:8b:3d:cd:fc:37:2a:  
bb:fa:a4:b6:1b:90:f2:95:57:17:48:e0:ef:a9:9d:ad:00:e2:  
b1:64:d9:67:79:11:83:b9:9a:e8:0b:32:36:ce:20:67:e3:7a:  
6d:4b:ea:5e:53:e5:2f:30:41:dd:f8:e5:54:9d:a9:d7:69:c6:  
75:d9:45:47