

## CA Certificate Chain

Total number of certificates: 2

### ORC ECA HW 5 CA Signing Certificate:

#### Certificate Subject DN

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

#### Certificate in base64 encoded format

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

```
MIIEXDCCA0SgAwIBAgIBGDANBgkqhkiG9w0BAQUFADBNMQswCQYDVQQGEwJVUzEY
MBYGA1UEChMPVS5TLiBHb3Zlcm5tZW50MQwwCgYDVQQLEwNFQ0ExFjAUBgNVBAMT
DUVDQSBSb290IENBIDlwHhcNMTQwNTE5MTI0NTUzWWhcNMjAwNTE4MTI0NTUzWjBw
MQswCQYDVQQGEwJVUzEYMBYGA1UEChMPVS5TLiBHb3Zlcm5tZW50MQwwCgYDVQQQL
EwNFQ0ExIjAgBgNVBAsTGUUNlcnRpZmljYXRpb24gQXV0aG9yaXRpZXMxFTATBgNV
BAMTDE9SQyBFQ0EgSFcgNTCCASlwdQYJKoZlhcNAQEBBQADggEPADCCAQoCggEB
AK07AIDE2FSJBvzWwpys8dAQCa01pVITGEgQGy+KvZdAVinViQMthGQs02diyXQ
AqIMY4WO3w9CL/0JN/CqFqxr4wdJ3iMQIU4mUiwAAsFkvmW1nsxNnETn+MdCCckx
BMHcl97XBiUYb8W+yriqsPORSi3pQ/6CLgsUI6usYu28SU6PmYd/Se2kW2mypoW+
W0IQMk8buHUGet0QO/mtn7pEU5slA4/d3BpMdVIXo3X601U/9xAk11Hnu6AP6LB4
6vMHvQyGLzh+EBiEKiyKewVI9iam6UxL++Yxzz+U26T5agsGVMiJxe4pm7Wa1Ldx
baGHcaObhPw1VzkpcCOa+xECAwEAAaOCASlwgEeMB0GA1UdDgQWB9R9HbErVvj
hBUQFu3lQh459bxx3zAfBgNVHSMEGDAWgBTt5lfQJ8RQ5oQ698z36zpJ/FJOITAS
BgNVHRMBAf8ECDAGAQH/AgEAMA4GA1UdDwEB/wQEAwIBhjAzBgNVHSAELDAqMAwG
CmCGSAFIawIBDAEwDAYKYIZIAWUDAgEMAjAMBgpghkgBZQMCAQwDMDcGA1UdHwQw
MC4wLKAqoCiGJmh0dHA6Ly9jcmwuZGZlYS5taWwvY3JsL0VDQVJPT1RDQTIuY3Js
MEoGCCsGAQUFBwEBBD4wPDA6BggrBgEFBQcwAoYuaHR0cDovL2NybC5kaXNhLm1p
bC9pc3N1ZWROby9FQ0FST09UQ0EYX0lULnA3YzANBgkqhkiG9w0BAQUFAAOCAQEA
jobPynRY3YlhODzgh0syTeseQE6K8/sU9J1oshmnU/7Um3s0wH6oDhixF3QKECbJ
Rbr0T/kXh+hQPmLmMKXx2BRUHWx3SFYImQrxVth55k6+WQuiyUOPVbqbLxN+fuUc
uyju/70/nFYWwFV0xIEaAcksxQTihOx2RPF51tBXOplAiezWwu6solgNd+XrXn14
AGA1q7uwpkqZrJL3bYBaDDTUyTOR8KNH6RvldsKSzwc9ABp2t1LCA694nD5FVhJL
VZOhhgVwiCtei4+K0AqmFfLyWL5lIvg0xFx8vhimVcsCjtsJRGfIoEsuk462QJLc
T3R68Qowq8+fHHn2p+DjYg==
```

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

#### Certificate Contents

Certificate:

Data:

Version: 3 (0x2)

Serial Number: 24 (0x18)

Signature Algorithm: sha1WithRSAEncryption

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

Validity

Not Before: May 19 12:45:53 2014 GMT

Not After : May 18 12:45:53 2020 GMT

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

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:ad:3b:02:50:c4:d8:54:89:06:f9:f3:5b:0a:72:

b3:c7:40:40:26:b4:d6:95:48:4c:61:20:40:6c:be:

2a:f6:5d:01:58:a7:56:24:0c:b6:11:90:b3:4d:9d:

8b:25:d0:02:a9:4c:63:85:8e:df:0f:42:2f:fd:09:  
37:f0:aa:16:ac:6b:e3:07:49:de:23:10:95:4e:26:  
52:2c:00:02:c1:64:be:65:b5:9e:cc:4d:9c:44:e7:  
f8:c7:42:41:c9:31:04:c1:dc:2f:de:d7:06:25:18:  
6f:c5:be:ca:b8:aa:b0:f3:ab:4a:5d:e9:43:fe:82:  
2e:0b:14:23:ab:ac:62:ed:bc:49:4e:8f:99:87:7f:  
49:ed:a4:5b:69:b2:a5:6a:fe:5b:49:50:32:4f:1b:  
b8:75:06:7a:dd:10:3b:f9:ad:9f:ba:44:53:9b:25:  
03:8f:dd:dc:1a:4c:75:59:57:a3:75:fa:d3:55:3f:  
f7:10:24:d7:51:e7:bb:a0:0f:e8:b0:78:ea:f3:07:  
bd:0c:86:2f:38:7e:10:18:84:2a:2c:8a:7b:05:65:  
f6:26:a6:e9:4c:4b:fb:e6:31:cf:3f:94:db:a4:f9:  
6a:0b:06:54:c8:89:c5:ee:29:9b:b5:9a:d4:b7:71:  
6d:a1:87:71:a3:9b:84:fc:35:57:39:29:70:23:9a:  
fb:11

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

FD:44:76:C4:AD:5B:E3:84:15:10:16:ED:E5:42:1E:39:F5:BC:71:DF

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

8e:86:cf:ca:74:58:dd:89:61:38:3c:e0:87:4b:32:4d:eb:1e:  
40:4e:8a:f3:fb:14:f4:9d:68:b2:19:a7:53:fe:d4:9b:7b:34:  
c0:7e:a8:0e:18:f1:17:74:0a:10:26:c9:45:ba:f4:4f:f9:17:  
87:e8:50:3e:62:e6:30:a5:f1:d8:14:54:1d:6c:77:48:56:08:  
99:0a:f1:56:d8:79:e6:4e:be:59:0b:a2:c9:43:8f:55:ba:9b:  
2f:13:7e:7e:e5:1c:bb:28:ee:ff:b3:bf:9c:56:16:c0:55:74:  
c4:81:27:68:07:24:b3:14:13:8a:13:b1:d9:13:f9:d6:d0:57:  
3a:99:40:89:ec:d6:c2:ee:ac:a2:58:0d:77:e5:eb:5e:7d:78:  
00:60:35:ab:bb:b0:a6:4a:99:ae:32:f7:6d:80:5a:0c:34:d4:  
c9:33:91:f0:a3:47:e9:1b:c8:76:c2:92:cf:07:3d:00:1a:76:  
b7:52:c2:03:af:78:9c:3e:45:56:12:4b:55:93:a1:86:05:70:  
88:2b:5e:8b:8f:8a:d0:0a:a6:15:f2:f2:58:be:48:22:f8:34:  
c4:5c:7c:be:18:a6:55:cb:02:8e:db:09:44:67:c8:a0:4b:2e:  
93:8e:b6:40:92:dc:4f:74:7a:f1:0a:30:ab:cf:9f:1c:79:f6:  
a7:e0:e3:62



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