GlobalSign API for EPKI

Implementation Guide and Definitions
Version 3.0.45

Contents

Version Release Notes

Version 1.1 – 04/28/2011 - Updated test system addresses
Version 2.0 – 06/27/2011
- Included updated functionality (OrderCertificate, Reissue, Cancel, Revoke)

Version 2.1 – 12/20/2012
- Updated with PKCS7 (Admin provides CSR/PKCS10) functionality

Version 2.2 – 04/10/2013
- Updated PKCS12 (Section 6) & PKCS7 (Section 5) Admin Enrollment functionality based on Mozilla Policy 2.1

Version 2.3 – 08/21/2013
- Added query functionality (Section 14)

Version 2.4 – 02/04/2015
- Corrected explanation about API response

Version 2.5 – 02/16/2015
- Corrected API response structure

Version 2.6 – 08/18/2015
- Updated GetOrders query parameters and added OrderDS method

Version 2.6.1 – 08/29/2016
- Updated Error Codes (Section 15.2)
- Add New Test Account URL (Section 2.2) and its WSDL files (Section 3.2)

Version 2.7 – 09/22/2017
- Added GetProfiles method (Section 12.3) and DN/UPN reqirement (Section 13.4)
- Added Email domain pre-vetting (Section 4.2)
- Deleted Old testsystem URL.

Version 2.7.1 – 08/12/2017
- Removed restriction of GetOrderByOderID
- Added Section 14. explaining Acceptable DateTime for Query.

Version 2.7.2 – 02/15/2018
- Added <SubscriberEmailAddress> Element on OrderDS – effective March 26, 2018
- Dropped CDS related Product codes

Version 2.7.3 – 04/09/2018
- Minor Change for Typo and added Notes for OrderDS

Version 2.8.0 – 09/20/2018
- Added <Extensions> as Optional for OrderPKCS12, OrderAndIssueCertificate and OrderCertificate
- Added ReissueCertificate method

Version 2.8.1 – 10/17/2018

- Added “RSASSA-PSS(SHA256) in <HashType> for GetProfiles.
- Updated screenshot in section 4.1
- Added SMIME only product for OrderCertificate, OrderAndIssueCertificate and OrderCertificate.

Version 2.9.0 – 02/25/ 2019

- Added element <AATLSignatureValidityDuration> for use with GetOrders, GetOrderByOrderID and GetProfiles query Response.

Version 2.9.1 – 02/25/2019

- Drop element <AATLSignatureValidityDuration> for use with GetOrders, GetOrderByOrderID and GetProfiles query Response.

Version 2.9.2 – 08/14/2019

- Updated product code for S/MIME only, correct code ePkiSmimeOnly

Version 2.9.3 – 09/11/2020

- Updated ability to change the certificate issuance format from the original when reissuing, adding the PKCS12 option

Version 2.9.4 – 08/05/2022
- Added Fortify key generation option EPKI AATL,EPKI,EPKI Reissue,EPKI ReissueCertificate

Version 2.9.5 – 08/26/2022

- Remove Fortify key generation option EPKI（till the fix S/MIME problem）

Version 2.9.6 – 09/14/2022

- Add productcode ePkiDSAATLShortLived
- 13.2 Change limit of 400 cases to 1000 cases

Version 2.9.7 – 11/29/2022

- URL not in use
  http://stub.query.gasapiserver.esp.globalsign.com Corrected to https://system.globalsign.com/cr/ws/

Version 2.9.8 – 02/02/2023

- GetOrderByOrderID and GetOrders for ePkiDSPersonalHsm, ePkiDSDeptHsm, ePkiDSPersonal, ePkiDSAATL, ePkiDSAATLASP, ePkiDSDept are results of <DNSerialNumber> are displayed. For other product codes, <DNSerialNumber xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/> is returned.

Version 2.9.9 – 03/30/2023

- OrderPKCS12 <PKCS12PIN> update for SMIMEBR (Aug 2023) .
- OrderAndIssueCertificate、OrderCertificate、OrderPkcs12 add <SubscriberEmailAddress> for SMIMEBR (Aug 2023)
- OrderAndIssueCertificate、OrderCertificate、OrderPkcs12 cannot add <OrganizationUnit> for SMIMEBR (Aug 2023)
- GetOrders & GetOrderByOrderId add <RenewalStatus> (planning)
- Add <ws:Suspendrenewal> and <ws:Resumerenewal> for ShortLiveCert (planning)

Version 3.0.0 – 04/13/2023

- OrderAndIssueCertificate、 OrderCertificate、 OrderPkcs12 add <SID> for SecurityIdentifier (July 2023 planning)

Version 3.0.1 – 05/18/2023

- OrderAndIssueCertificate、 OrderCertificate、 OrderPkcs12 add < SANRFC822EmailAddress
- > (Aug 2023 planning)

Version 3.0.2 – 08/17/2023

- OrderAndIssueCertificate、 OrderCertificate、 OrderPkcs12 add note and Updated the Note described on July 28.
- OrderPkcs12 add Pkcs12 Normal Response <PKCS12Password>
- Certificate Password (used to protect private key) alphanumeric plus symbols

Version 3.0.3 – 10/11/2023

- Add additional information about AUTOGEN

Version 3.0.31 – 1/17/2024

- OrderCertificate ,OrderAndIssueCertificate,OrderPkcs12 add below sentence.When <ProfileID> is selected other than SMIMEBRICA, <Email> value copy to <SANRFC822EmailAddress>. Deploy planning April 2024.

Version 3.0.32 – 2/5/2024

- Remove this sentence "After August 2023 release."and “after Aug 2023”

Version 3.0.4 – 10/28/2024

- Add GivenName,Surname,Pseudonym EPKI S/MIME profile.
- Add 4.3 S/MIME profile screen.
- Add 19 S/MIME profile DN combination.
- Line breaks were made easier to read and words were corrected in minor parts.
- Update 19 S/MIME profile DN combination. May 2025

Version 3.0.44 – 03/12/2024

- S/MIME profile EPKIPSPersonal, ePkiSmimeOnly require GivenName when name selected..

Version 3.0.45 – 06/06/2025

- Fix SurName to Surname

1. Overview

GlobalSign offers a Simple Object Access Protocol (SOAP) API to automate a number of critical functions you would typically need to perform via the web-based GlobalSign Certificate Center (GCC) including placing an order, querying the order status, and receiving an issued certificate.

The Enterprise PKI (EPKI) API allows customers to directly order client certificates including PersonalSign and AATL Signing Certificates for use cases such as S/MIME, Authentication, and Document Signing.

2. Ordering Workflow Overview

There are two types of ordering procedures, Admin enrollment and User enrollment. In the Admin scenario, the Admin performs all of the enrollment steps and receives the certificate. In the user enrollment scenario, the process is comparable to the GCC EPKI GUI, where the end user receives an enrollment email.

2.1 API functions

Function	API Request
Order Certificate (Admin enrollment)	`OrderPkcs12`
Order Certificate (Admin enrollment)	`OrderAndIssueCertificate`
Order Certificate (User enrollment)	`OrderCertificate`
Order AATL Certificate (Admin enrollment)	`OrderDS`
Cancel Certificate	`Cancel`
Reissue Certificate	`Reissue`
Immediate Reissue Certificate	`ReissueCertificate`
Revoke Certificate	`Revoke`
Query display by order ID	`getorderbyorderid`
Query display of orders by term	`getorders`
Query display of profiles by term	`getprofiles`

2.2 GlobalSign URL

Use the following URL to access the GlobalSign live API:
https://system.globalsign.com/cr/ws/GasOrderService

2.3 Test Account URLs

Use the following URL to access the GlobalSign Test API:
https://test-gcc.globalsign.com/cr/ws/GasOrderService

Note that test system accounts are available to API customers upon request.

3. WSDL files

3.1 GlobalSign URL

GlobalSign's WSDL files are available at:
https://system.globalsign.com/cr/ws/GasOrderService?wsdl

3.2 Test Account URLs

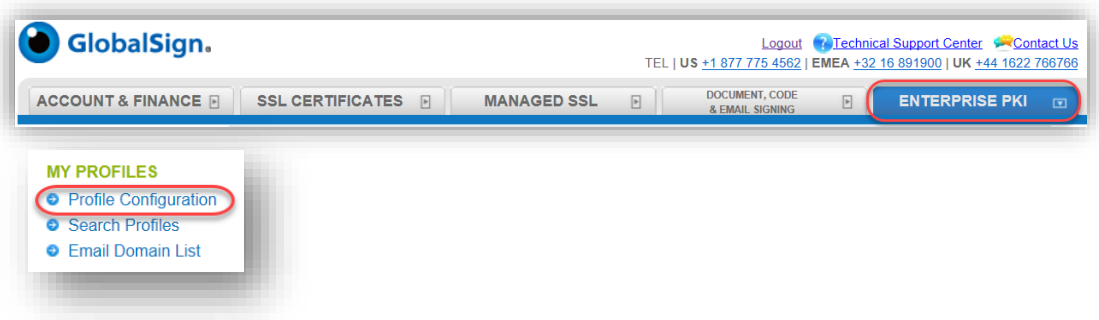
GlobalSign's test account WSDL files are available at:
https://test-gcc.globalsign.com/cr/ws/GasOrderService?wsdl

Note that test system accounts are available to API customers upon request.

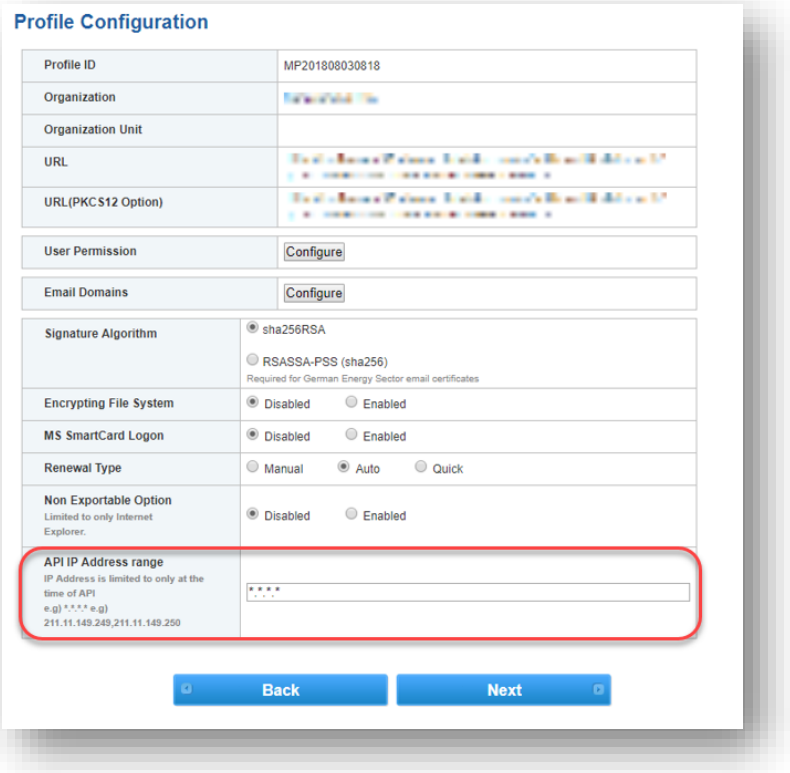
4. EPKI Configuration

4.1 EPKI Profile Configuration

EPKI Administrators must configure the profile they will use with the API commands. In your GCC account, click on the top tab **ENTERPRISE PKI**. On the left hand menu, click **Profiles** and then click **Profile Configuration**.



Select the correct profile to configure and click **Next**. On the Profile Configuration screen, add the IP address and adjust other settings as needed. Click **Next** to complete the configuration.



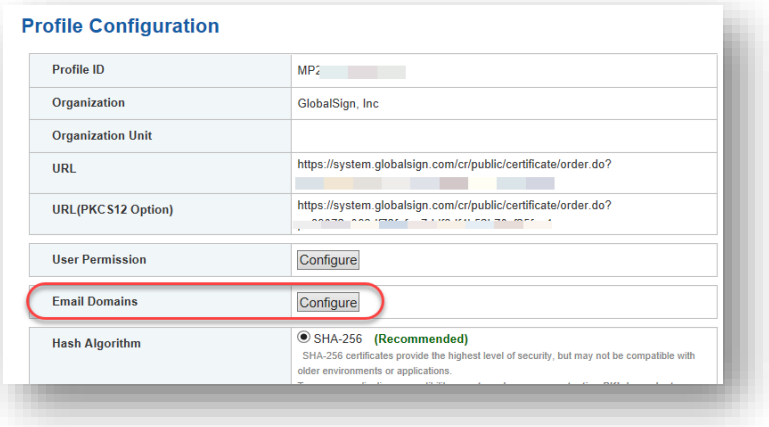
Note: The term “Hash Algorithm” has been replaced with “Signature Algorithm” when signing End Entity Certificates. Unless RSASSA-PSS is required to meet a busienss need, It’s recommend sha256RSA (default setting) be used for for most orders.

Note: RSASSA-PSS is only reflected for use with PersonalSign2 Personal(ePKIPersonal), Department(ePKIDept) and S/MIME only (ePkiSmimeOnly). Other Certificates like AATL will be signed with SHA256withRSA.

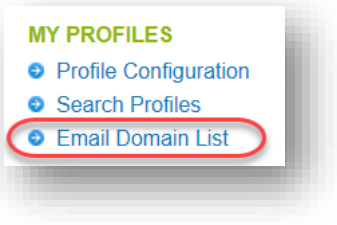
4.2 Add Pre-Vetted Email Domains (Optional)

In order to include email addresses in certificates, you will need to register and pre-vet email domains to the profile. On the Profile Configuration screen, under **Email Domains** click the **Configure** button.

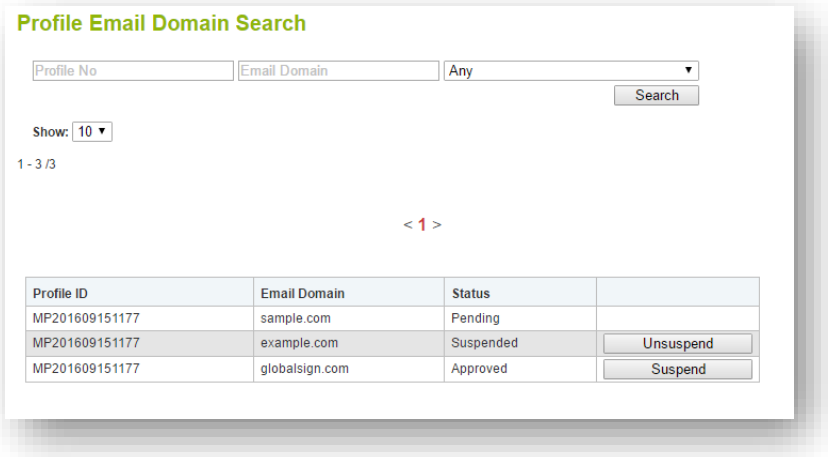
Enter the Email Domains that you need vetted and approved.



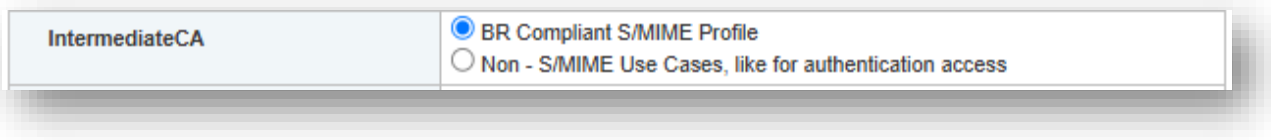
After entering the domains, you can view the vetting status and availability of the email domains by clicking **Email Domain List** in the left hand menu..



The Domain status will appear as “Approved” once vetting is complete and the domain is ready for use.

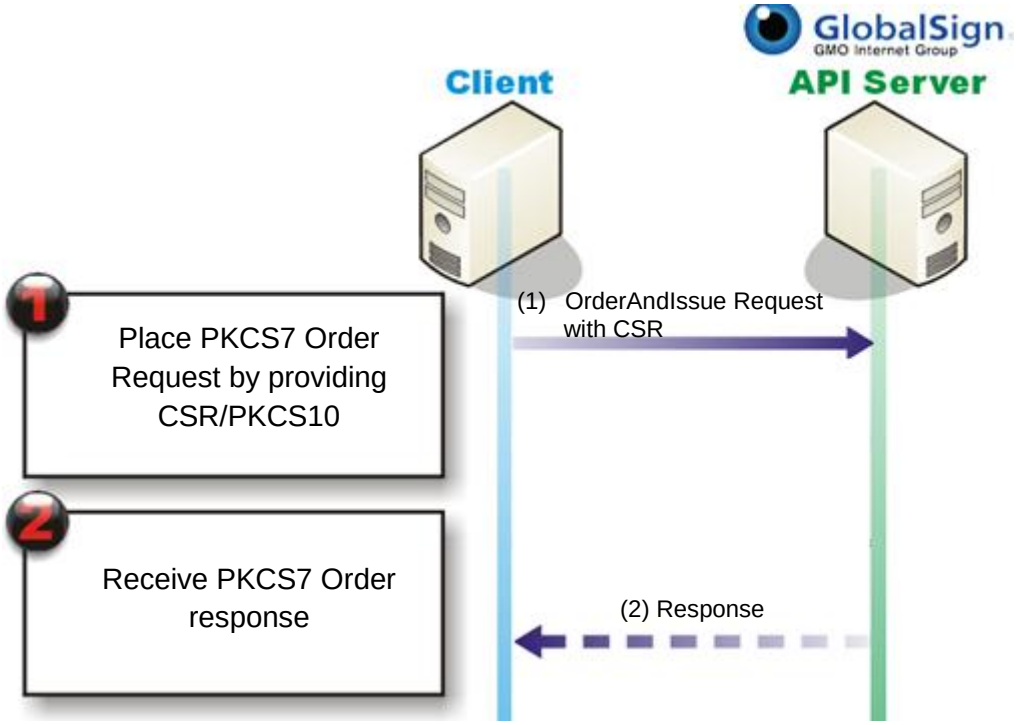


4.3 S/MIME Baseline Requirement Profile



If “BR Compliant S/MIME Profile” is selected for the EPKI profile, S/MIME-enabled client certificates can be issued.

5. Ordering PKCS7 Certificates (Admin Enrollment with CSR/PKCS10)



1. Place PKCS7 order for PersonalSign or PersonalSign Department certificate
2. Receive response containing PKCS7

   (Out of API) Customer provides PKCS7certificate to end user

5.1 Ordering and Issuing PKCS7 Certificate

OrderPkcs7 (OrderAndIssueCertificate) Request

Note\: Certain <DnAttributes> may be fixed values depending on the profile used for the request.

(For instance, if the profile includes an OU, then those parameters should not be included in the request since they will automatically be appended to the DN along with country code and Organization.)

<SANRFC822EmailAddress><SubscriberEmailAddress><Email> should be the same value.

Profile	Email	SANRFC822EmailAddress	SubscriberEmailAddress	result
S/MIME	✓	blank	blank	Issued DN:E and SANRFC822EmailAddress
Client Auth				Issued DN:E and SANRFC822EmailAddress
S/MIME	blank	blank	✓	Cannot Issue. SANRFC822EmailAddress is required.
Client Auth				Issued
S/MIME	blank	✓	✓	Issued SANRFC822EmailAddress
Client Auth				issued ignore SANRFC822EmailAddress
S/MIME	blank	✓	blank	Issued SANRFC822EmailAddress
Client Auth				issued ignore SANRFC822EmailAddress
S/MIME	blank	blank	blank	Cannot Issue. SANRFC822EmailAddress is required.
Client Auth				issued

When a profile for SMIMEBR is set in <ProfileID>, <OrganizationUnit> is not used.

When a profile for SMIMEBR is set in <ProfileID> and order <ProductCode> ePkiPSDept, <CommonName> must match <SANRFC822EmailAddress> or Profile Organization

The S/MIME profile requires the GivenName, Surname, and Pseudonym to be listed in the DN. See 19 S/MIME profile DN combination for details.

Value 3 in<Year> cannot be selected when <ProfileID> S/MIME-ready profile is selected. This is effeced by Jan 2025 Release.

```
<ns2:OrderAndIssueCertificate xmlns:ns2="https://system.globalsign.com/cr/ws/">
       <Request>
              <OrderRequestHeader>
                     <AuthToken>
                            <UserName>                  30      String
                            <Password>                  30      String
                     </AuthToken>
              </OrderRequestHeader>
                     <ProfileID>                                MP20xxxxxxxxx
                     <ProductCode>                              EPKIPSDept, EPKIPSPersonal,
                                                                EPKIPSPersonalPro, ePkiSmimeOnly
                     <Year>                                     1,2 or 3
                     <CSR>                                      4000    String
                     <EFSOption>?                               true / false
                     <UPN>?                                     64      String
                      <SID>?                                    128     String
                      <SANRFC822EmailAddress>                   255     String
                     <DnAttributes>
                            <CommonName>                        64      String
                            (<OrganizationUnit>)?               64      String
                            (<OrganizationUnit>)?               64      String
                            (<OrganizationUnit>)?               64      String
                             (<GivenName>)?                     31      String
                             (<Surname>)?                       31      String
                             (<Pseudonym>)?                     64      String
                            (<Email>)?                          255     String
                     </DnAttributes>
                     <SubscriberEmailAddress>           255     String
                     <PickupPassword>                   256     String (See 15.3)
                     (<EmailLanguage>)?                 2       String
                     (<Extensions>
                            (<Extension>
                             <Name>                     String
                             <Value>                    String
                         </Extension>)*
                     </Extensions>)?
       </Request>
</OrderAndIssueCertificate>
```

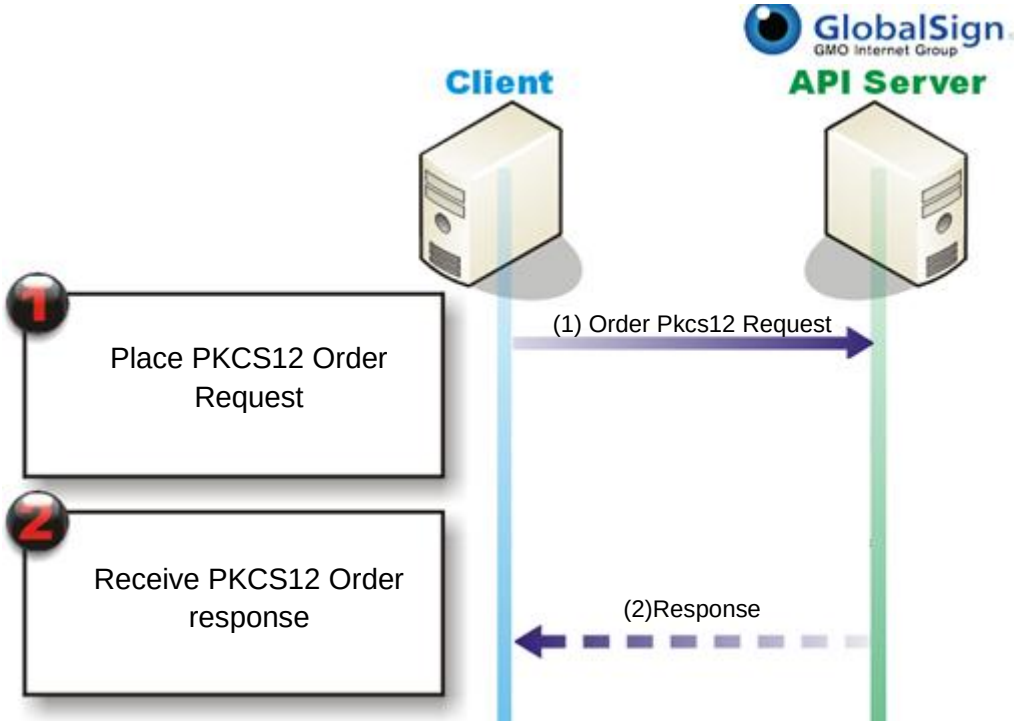
OrderPkcs7 (OrderAndIssueCertificate) Normal Response

```
<ns2:OrderAndIssueCertificateResponse xmlns:ns2="https://system.globalsign.com/cr/ws/">
       <Response>
              <OrderResponseHeader>
                     <SuccessCode>                      2
                     <Timestamp>                                DateTime
              </OrderResponseHeader>
              <OrderID>                                 50      String
              <CERT>                                            String
       </Response>
</ns2:OrderAndIssueCertificateResponse>
```

OrderPkcs7 (OrderAndIssueCertificate) Error Response

```
<ns2:OrderAndIssueCertificateResponse xmlns:ns2="https://system.globalsign.com/cr/ws/">
       <Response>
              <OrderResponseHeader>
                     <SuccessCode>                      2
                     (<Errors>
                            (<Error>
                                   <ErrorCode>          5
                                   (<ErrorField>)?      1000   String
                                   <ErrorMessage>       1000   String
                            </Error>)+
                     </Errors>)?
                     <Timestamp>                        DateTime
              </OrderResponseHeader>
       </Response>
</ns2:OrderAndIssueCertificateResponse>
```

6. Ordering PKCS12 Certificates (Admin Enrollment Without CSR/PKCS10)



1. Place PKCS12 order for PersonalSign or PersonalSign Department certificate
2. Receive response containing PKCS12 in base64

   (Out of API) Customer provides PKCS12 certificate to end user

6.1 Ordering PKCS12 certificate

OrderPkcs12 Request

Note: Certain <DnAttributes> may be fixed values depending on the profile used for the request.

(For instance, if the profile includes an OU, then those parameters should not be included in the request since they will automatically be appended to the DN along with country code and Organization.)

<SANRFC822EmailAddress><SubscriberEmailAddress><Email> should be the same value.

Profile	Email	SANRFC822EmailAddress	SubscriberEmailAddress	result
S/MIME	✓	blank	blank	Issued DN:E and SANRFC822EmailAddress
Client Auth				Issued DN:E and SANRFC822EmailAddress
S/MIME	blank	blank	✓	Cannot Issue. SANRFC822EmailAddress is required.
Client Auth				Issued
S/MIME	blank	✓	✓	Issued SANRFC822EmailAddress
Client Auth				issued ignore SANRFC822EmailAddress
S/MIME	blank	✓	blank	Issued SANRFC822EmailAddress
Client Auth				issued ignore SANRFC822EmailAddress
S/MIME	blank	blank	blank	Cannot Issue. SANRFC822EmailAddress is required.
Client Auth				issued

When a profile for SMIMEBR is set in <ProfileID>, <OrganizationUnit> is not used.

When a profile for SMIMEBR is set in <ProfileID>, <SANRFC822EmailAddress> or <Email> is required.When <ProfileID> is selected for SMIMEBRICA, <PKCS12PIN> field need to input “AUTOGEN”.

When a profile for SMIMEBR is set in <ProfileID> and order <ProductCode> is ePkiPSDept, <CommonName> must match <SANRFC822EmailAddress> or Profile Organization

The S/MIME profile requires the GivenName, Surname, and Pseudonym to be listed in the DN. See 19 S/MIME profile DN combination for details.

Value 3 in<Year> cannot be selected when <ProfileID> S/MIME-ready profile is selected. This is effeced by Jan 2025 Release.

```
<ns2:OrderPkcs12 xmlns:ns2="https://system.globalsign.com/cr/ws/">
       <Request>
              <OrderRequestHeader>
                     <AuthToken>
                            <UserName>                    30      String
                            <Password>                    30      String
                     </AuthToken>
              </OrderRequestHeader>
                     <ProfileID>                                   MP20xxxxxxxxx
                     <PKCS12PIN>                           117 (※S/MIME profile use AUTOGEN)
       String
                     <ProductCode>                                 EPKIPSDept, EPKIPSPersonal,
                                                                          EPKIPSPersonalPro,
                                                                          ePkiSmimeOnly
                     <Year>                                        1,2 or3
                     <EFSOption>?                                  true/false
                     <UPN>?                                        String
                     <SID>?                 String
                     <SANRFC822EmailAddress>               255     String
                     <Renew>?                                      true/false
                     <DnAttributes>
                            <CommonName>                   64      String
                            (<OrganizationUnit>)?          64      String
                            (<OrganizationUnit>)?          64      String
                            (<OrganizationUnit>)?          64      String
                             (<GivenName>)?                31      String
                             (<Surname>)?                  31      String
                             (<Pseudonym>)?                64     String
                            (<Email>)?                     255     String
                     </DnAttributes>
                      <SubscriberEmailAddress>?            255     String
                     (<EmailLanguage>)?                    2      String
                     (<Extensions>
                            (<Extension>
                             <Name>                        String
                             <Value>                       String
                         </Extension>)*
                     </Extensions>)?
       </Request>
</OrderPkcs12>
```

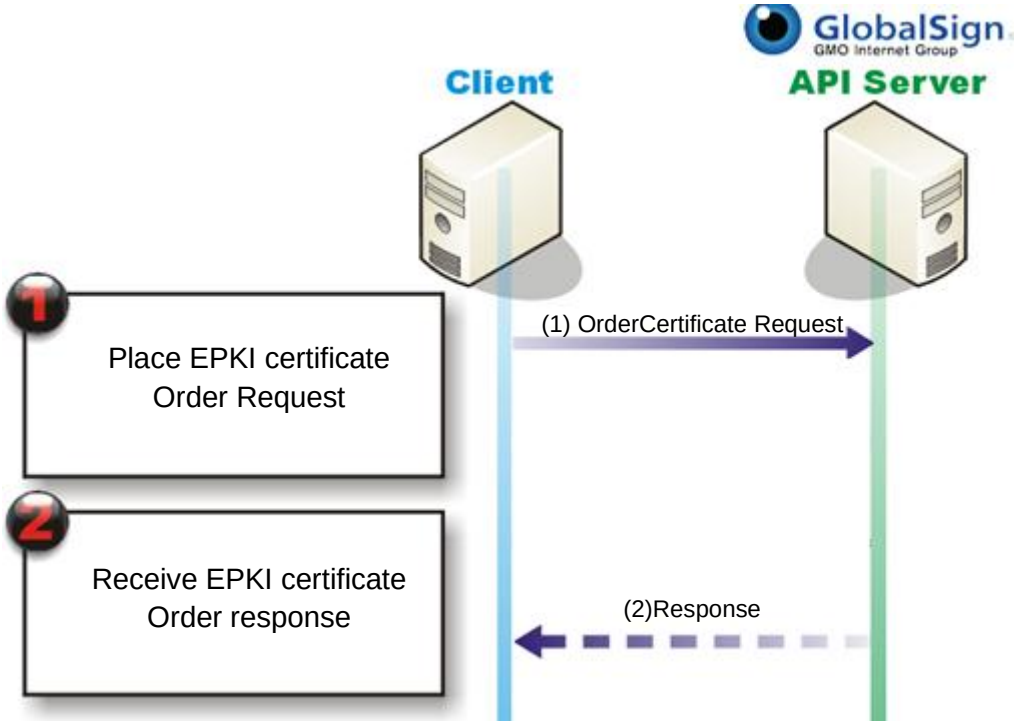
Pkcs12 Normal Response

```
<ns2:OrderPkcs12Response xmlns:ns2="https://system.globalsign.com/cr/ws/">
       <Response>
              <OrderResponseHeader>
                     <SuccessCode>                         2
                     <Timestamp>                                   DateTime
              </OrderResponseHeader>
              <OrderID>
              <BASE64PKCS12>                                       String
              <PKCS12>                                             String
               <PKCS12Password>                                   String
       </Response>
</ns2:OrderPkcs12Response>
```

Pkcs12 Error Response

```
<ns2:OrderPkcs12Response xmlns:ns2="https://system.globalsign.com/cr/ws/">
       <Response>
              <OrderResponseHeader>
                     <SuccessCode>                      2
                     (<Errors>
                            (<Error>
                                   <ErrorCode>          5
                                   (<ErrorField>)?      1000   String
                                   <ErrorMessage>       1000   String
                            </Error>)+
                     </Errors>)?
                     <Timestamp>                                DateTime
              </OrderResponseHeader>
       </Response>
</ns2:OrderPkcs12Response>
```

7. Ordering EPKI Certificates (User enrollment)



1. Place EPKI Certificate order for PersonalSign or PersonalSign Department certificate
2. Receive response containing success/error and OrderID

   (Out of API) End User will receive an enrollment link via email.

7.1 Ordering EPKI Certificate

OrderCertificate Request

Note: Certain <DnAttributes> may be fixed values depending on the profile used for the request.

(For instance, if the profile includes an OU, then those parameters should not be included in the request since they will automatically be appended to the DN along with country code and Organization.)

<SANRFC822EmailAddress><SubscriberEmailAddress><Email> should be the same value.

Profile	Email	SANRFC822EmailAddress	SubscriberEmailAddress	result
S/MIME	✓	blank	blank	Issued DN:E and SANRFC822EmailAddress
Client Auth				Issued DN:E and SANRFC822EmailAddress
S/MIME	blank	blank	✓	Cannot Issue. SANRFC822EmailAddress is required.
Client Auth				Issued
S/MIME	blank	✓	✓	Issued SANRFC822EmailAddress
Client Auth				issued ignore SAN
S/MIME	blank	✓	blank	Issued SANRFC822EmailAddress
Client Auth				Cannot Issue. SubscriberEmailAddress is required.
S/MIME	blank	blank	blank	Cannot Issue. SANRFC822EmailAddress is required.
Client Auth				Cannot Issue. SubscriberEmailAddress is required.

When a profile for SMIMEBR is set in <ProfileID>, <OrganizationUnit> is not used.

When a profile for SMIMEBR is set in <ProfileID> and order <ProductCode> ePkiPSDept, <CommonName> must match <SANRFC822EmailAddress> or Profile Organization

The S/MIME profile requires the GivenName, Surname, and Pseudonym to be listed in the DN. See 19 S/MIME profile DN combination for details.

Value 3 in<Year> cannot be selected when <ProfileID> S/MIME-ready profile is selected. This is effeced by Jan 2025 Release.

```
<soapenv:Envelope xmlns:ws="https://system.globalsign.com/pc/ws/">
               <soapenv:Header/>
               <soapenv:Body>
                     <ns2: OrderCertificate xmlns:ns2="https://system.globalsign.com/cr/ws/">
             <Request>
                   <OrderRequestHeader>
                         <AuthToken>
                                  <UserName>                              30  String
                                  <Password>                              30  String
                         </AuthToken>
                   </OrderRequestHeader>
                         <ProfileID>                                         MP20xxxxxxxxx
                                                                             EPKIPSDept,
                         <ProductCode>                                       EPKIPSPersonal,
                                                                             EPKIPSPersonalPro,
                                                                             ePkiSmimeOnly
                         <Year>                                              1,2,3
                         <HasCSR>?                                           true/false
                         <PKCS12Option>?                                     true/false
                         <HasFortify>?                                       True/false (ignore this)
                         <EFSOption>?                                        true/false
                         <UPN>?                                          255 String
                         <SID>?                                          128 String
                         <SANRFC822EmailAddress>                         255 String
                         <DnAttributes>
                                  <CommonName>                            64  String
                                  (<OrganizationUnit>)?                   64  String
                                  (<OrganizationUnit>)?                   64  String
                                  (<OrganizationUnit>)?                   64  String
                                  (<GivenName>)?                          31  String
                                  (<Surname>)?                            31  String
                                  (<Pseudonym>)?                          64  String
                                  <Email>                                 255 String
                         </DnAttributes>
                         <SubscriberEmailAddress>                        255 String
                         <PickupPassword>                                256 String
                         (<EmailLanguage>)?                              2   String
                         (<Extensions>
                                (<Extension>
                                  <Name>                                     String
                                  <Value>                                    String
                              </Extension>)*
                         </Extensions>)?
             </Request>
                    </OrderCertificate>
              </soapenv:Body>
</soapenv:Envelope>
```

OrderCertificate Normal Response

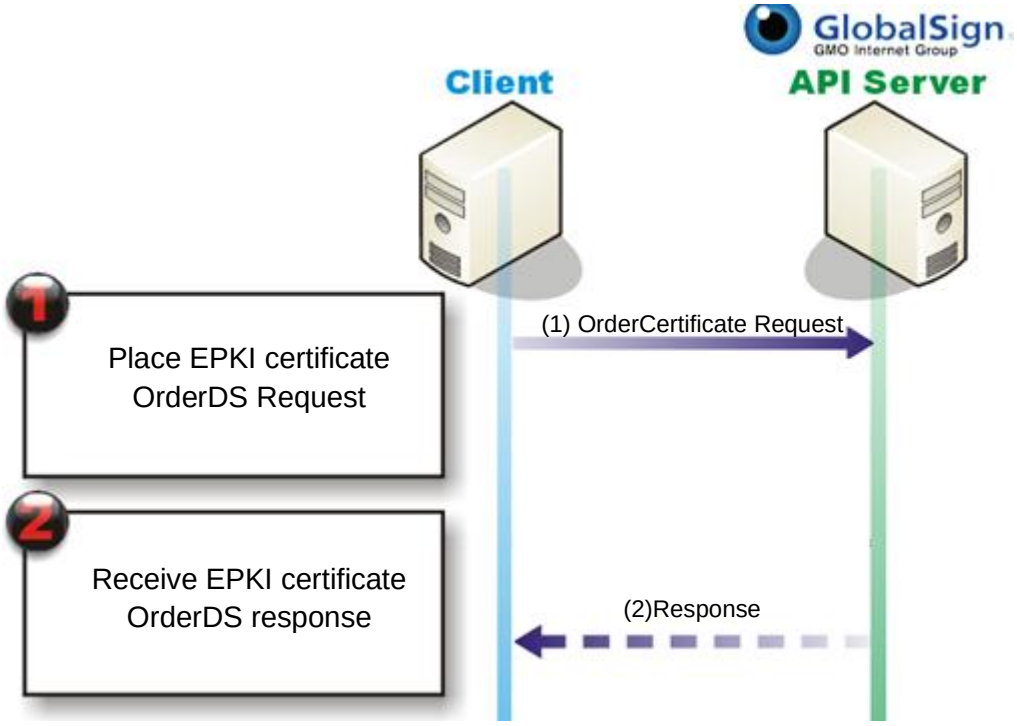
```
 <ns2:OrderCertificateResponse xmlns:ns2="https://system.globalsign.com/cr/ws/">
   <Response>
     <OrderResponseHeader>
          <SuccessCode>                                    2   Int
          <Timestamp>                                          DateTime
     </OrderResponseHeader>
     <OrderID>                                            50  String
   </Response>
```

```
</ns2:OrderCertificateResponse>
```

OrderCertificate Error Response

```
<ns2:OrderCertificateResponse xmlns:ns2="https://system.globalsign.com/cr/ws/">
  <Response>
    <OrderResponseHeader>
         <SuccessCode>                                  2   Int
         (<Errors>
                  <ErrorCode>                           5   Int
                  (<ErrorField>)?                    1000   String
                  <ErrorMessage>                     1000   String
         <Errors>)?
         <Timestamp>                                       DateTime
    </OrderResponseHeader>
  </Response>
</ns2:OrderCertificateResponse>
```

8. Ordering EPKI AATL Certificates



1. Place EPKI Certificate order for AATL certificate
2. Receive response containing success/error, OrderID and optionally a PKCS7

8.1 Ordering AATL Certificates

OrderDS Request

Note: Certain <DnAttributes> may be fixed values depending on the Profile used for the request.

(For instance, if the profile already includes an OU, then those parameters should not be included in the request since they will automatically be appended to the DN along with country code and Organization.)

Note: The OrderDS request supports both enrollment and direct issuance of certificates. Depending on the order type, certain fields may become mandatory/optional.

Note: <Email> is restricted when using <IssueType> as “ISSUE.” In this case, the email domain needs to be pre-vetted. For more details, please see Section 4.2.

Under <IssueType> is “REGISTER,” when an <Email> is not provided in the Distinguished Name (i.e. if you choose not to include an email address in an AATL Certificate) a Subscriber Email address must be set in the <SubscriberEmailAddress>. If neither <Email> or <SubscriberEmailAddress> are set, an error will be returned. If both are set, a notification email will be sent to <Email> and <SubscriberEmailAddress> will be ignored. Note that <SubscriberEmailAddress> will be ignored under ePKI AATL ASP (e.g. ePKIDSAATLASP).

In OrderDS request, <GivenName>,<Surname>. <Pseudonym> is not used. If it is described, it is ignored.

```
<soapenv:Envelope xmlns:ws="https://system.globalsign.com/cr/ws/">
              <soapenv:Header/>
              <soapenv:Body>
                    <ns2: OrderDS xmlns:ns2="https://system.globalsign.com/cr/ws/">
             <Request>
                   <OrderRequestHeader>
                         <AuthToken>
                               <UserName>                          30  String
                               <Password>                          30  String
                         </AuthToken>
                   </OrderRequestHeader>
                         <ProfileOrderNo>                              MP20xxxxxxxxx
                                                                       ePkiDSAATL,
                         <ProductCode>                                 ePkiDSAATLASP,
                                                                       ePkiDSAATLShortLived

                         <IssueType>                                   REGISTER (Enrollment),ISSUE (Direct),
                                                                       FORTIFY (Fortify)
                         <Year>                                        1,2,3
                                                                       (Must set 1 if ePkiDSAATLShortLived)
                         <CSR>                                         String
                                                                       Mandatory when IssueType = ISSUE
                                                                       String
                         <PickupPassword>                              Mandatory
                                                                  256  when IssueType = REGISTER
                         <DnAttributes>
                               <CommonName>                        64  String
                               (<OrganizationUnit>)?               64  String
                               (<OrganizationUnit>)?               64  String
                               (<OrganizationUnit>)?               64  String
                                                                       String - Subject to restrictions
                                                                       when using ISSUE
                               <Email>                                 Optional when ordering AATL or
                                                                       AATL ASP (e.g. ePkiDSAATL or
                                                                  255  ePkiDSAATLASP)
                         </DnAttributes>
                                                                       String
                         <SubscriberEmailAddress>                      Mandatory when
                                                                       1)IssueType=REGISTER and
                                                                  255  2)No <Email> Element
                         (<EmailLanguage>)?                          2  String
             </Request>
                    </OrderDS>
              </soapenv:Body
              >
</soapenv:Envelope>
```

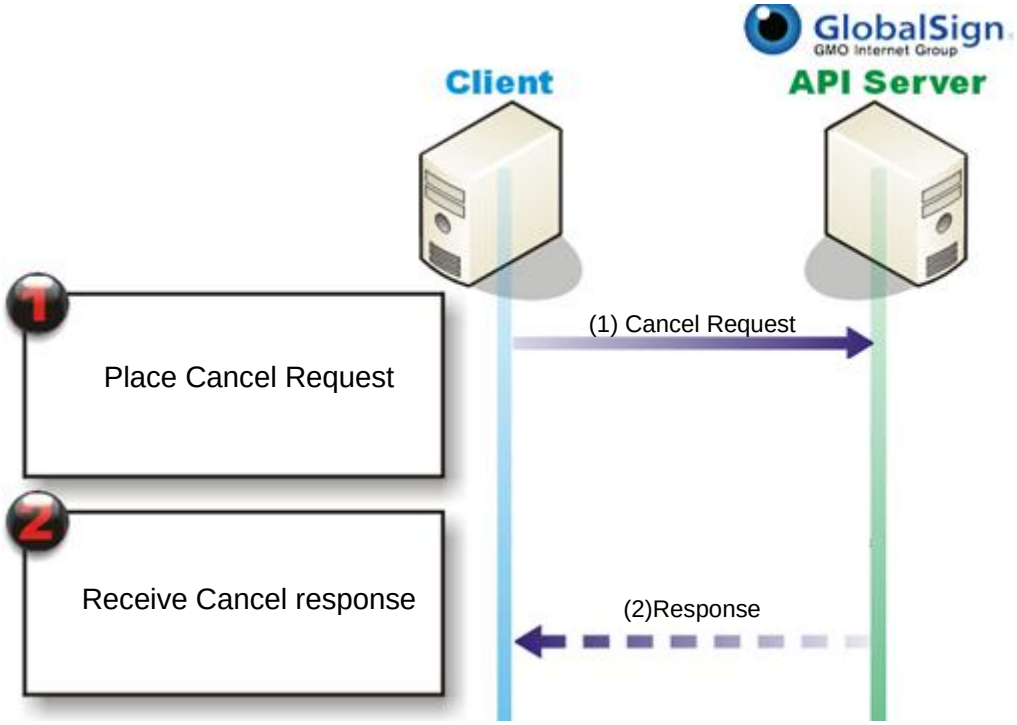
OrderDS Normal Response

```
<ns2:OrderCertificateResponse xmlns:ns2="https://system.globalsign.com/cr/ws/">
  <Response>
              <OrderResponseHeader>
                   <SuccessCode>              2    Int
                   <Timestamp>                     DateTime
              </OrderResponseHeader>
              <OrderID>                     50    String
              <Certificate>                       String - Optional when using ISSUE
  </Response>
</ns2:OrderCertificateResponse>
```

OrderCertificate Error Response

```
<ns2:OrderCertificateResponse xmlns:ns2="https://system.globalsign.com/cr/ws/">
  <Response>
    <OrderResponseHeader>
         <SuccessCode>                  2  Int
         (<Errors>
                  <ErrorCode>           5  Int
                  (<ErrorField>)?    1000  String
                  <ErrorMessage>     1000  String
         <Errors>)?
         <Timestamp>                       DateTime
    </OrderResponseHeader>
  </Response>
</ns2:OrderCertificateResponse>
```

9. Canceling EPKI Certificates



1. Place Cancel Request
2. Receive response containing Success Code and the OrderID in case of success

9.1 Canceling EPKI Certificate

Cancel Request

```
<soapenv:Body>
      <ws:Cancel>
            <Request>
                  <OrderRequestHeader>
                        <AuthToken>
                              <UserName>                30   String
                              <Password>                30   String
                        </AuthToken>
                  </OrderRequestHeader>
                  <OrderID>                             50   String
            </Request>
      </ws:Cancel>
</soapenv:Body>
```

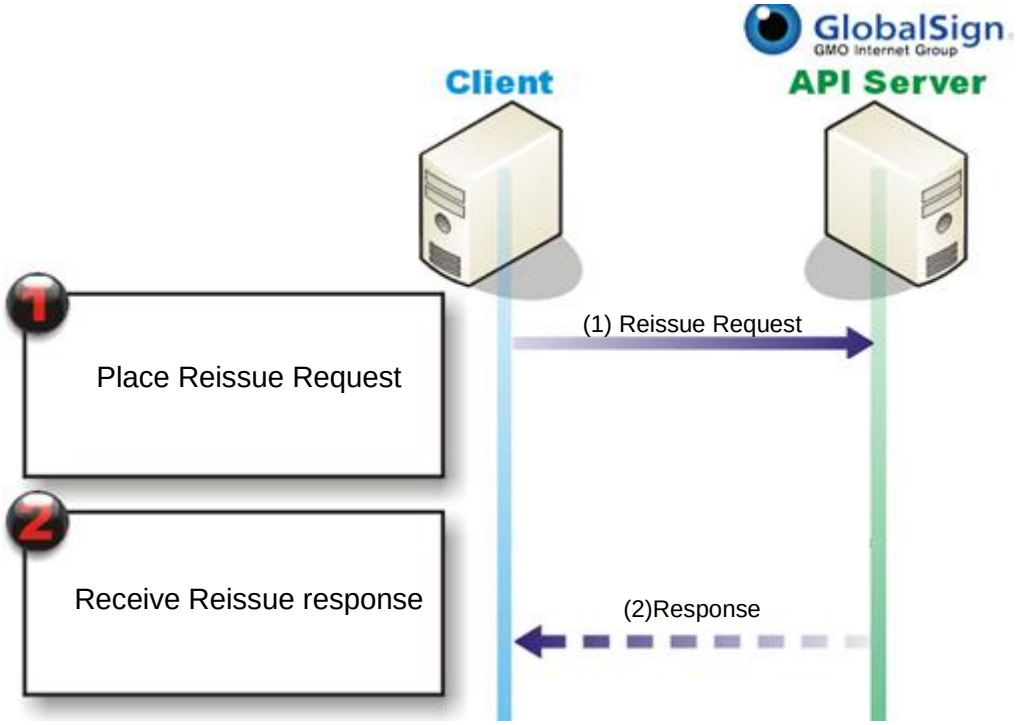
Cancel Normal Response

```
<ns2: CancelResponse xmlns:ns2="https://system.globalsign.com/cr/ws/">
   <Response>
      <OrderResponseHeader>
          <SuccessCode>           2   Int
          <Timestamp>                 DateTime
      </OrderResponseHeader>
      <OrderID>                  50   String
   </Response>
</ns2: CancelResponse >
```

Cancel Error Response

```
<ns2: CancelResponse xmlns:ns2="https://system.globalsign.com/cr/ws/">
  <Response>
    <OrderResponseHeader>
        <SuccessCode>                2   Int
        (<Errors>
                <ErrorCode>          5   Int
                (<ErrorField>)?   1000   String
                <ErrorMessage>    1000   String
        <Errors>)?
        <Timestamp>                      DateTime
    </OrderResponseHeader>
  </Response>
</ns2: CancelResponse >
```

10. Reissuing EPKI Certificates



1. Place Reissue Request
2. Receive response containing Success Code and the OrderID in case of success

Note: This Existing Reissue API commands remain backwards compatible

Note: Certificate format can be changed from PKCS7 to PKCS12 if set to True when reissuing. If the option does not exist issue certificate in original format.

10.1 Reissue EPKI Certificate

Reissue Request

```
<soapenv:Body>
   <ws:Reissue>
      <Request>
                <OrderRequestHeader>
                          <AuthToken>
                                    <UserName>                                30  String
                                    <Password>                                30  String
                          </AuthToken>
                </OrderRequestHeader>
                <TargetOrderID>                                              50  String
                <PickupPassword>                                            256  String
       <PKCS12Option>?                        String true,false (true issue
      as
                                          PKCS12,  false issue as PKCS7)
       <HasFortify>?                     String true,false(true issue as
                                            Fortify, false ignore this.
                                            EPKIAATL only  )
      </Request>
   </ws:Reissue>
</soapenv:Body>
```

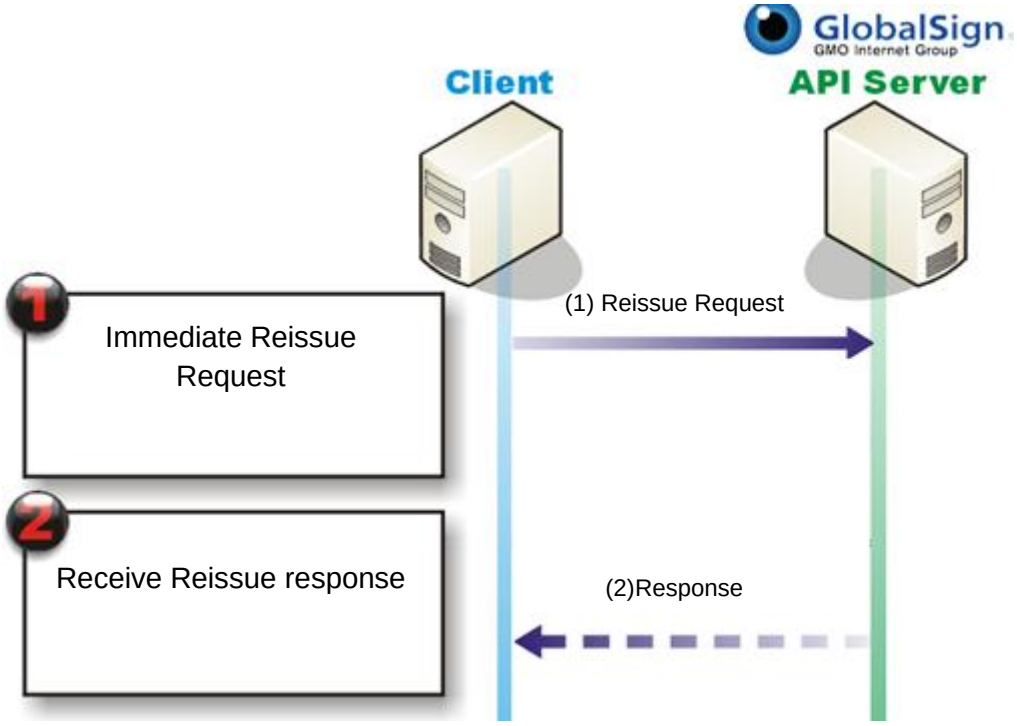
Reissue Normal Response

```
<ns2: ReissueResponse xmlns:ns2="https://system.globalsign.com/cr/ws/">
   <Response>
      <OrderResponseHeader>
            <SuccessCode>                    2   Int
            <Timestamp>                          DateTime
      </OrderResponseHeader>
      <OrderID>                             50   String
   </Response>
</ns2: ReissueResponse >
```

Reissue Error Response

```
<ns2: ReissueResponse xmlns:ns2="https://system.globalsign.com/cr/ws/">
   <Response>
      <OrderResponseHeader>
            <SuccessCode>                       2   Int
            (<Errors>
                        <ErrorCode>             5   Int
                        (<ErrorField>)?      1000   String
                        <ErrorMessage>       1000   String
            <Errors>)?
            <Timestamp>                             DateTime
      </OrderResponseHeader>
   </Response>
</ns2: ReissueResponse >
```

11. Immediate Reissuing EPKI Certificates



1. Place Immediate Reissue Request
2. Receive response containing

The API supports responding with reissued certificate as a response and registered reissue using the same Reissue method. Some speific product codes like AATL ASP in an original order under Request was “Register” is not supported (See the existing Reissue API described in Chapter 10 for this support)

Automatic Reissue (e.g. return PKCS#12 or new Certificate format as new Reissue API response) assumes the following conditions:

(1) If Original Certificate was issued by PKCS#12, Online Reissue should be returned in the same format.
(2) If Original Certificate was requested by PKCS#10, Online ReIssue should be returned in the Certificate format.

(3) If Original Certificate issuance format is changed, Online Reissue format can be changed from original format to be returned in new format (PKCS#10 => PKCS#12).
(4) SubscriberEmailAddress Element should be ignored if Email in DN is configured in Original Order.
If Email DN in the Original Order or SubscriberEmailAddress in ReissueRegisterInfo do not exist, -102 Error should be returned.
If only "Contact Email Address" (e.g. No Email in DN but set with SubscriberEmailAddress before):
- SubscriberEmailAddress in ReissueRegisterInfo exists → replace new SubscriberEmailAddress.
- SubscriberEmailAddress in ReissueRegisterInfo does NOT exist → use "Contact Email Address"
(5) 2nd and after Reissue should be same behaivior as Original Issuance.

11.1 Immediate Reissuing EPKI Certificate

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ws="https://system.globalsign.com/cr/ws/">
   <soapenv:Header/>
   <soapenv:Body>
      <ws:ReissueCertificate>
         <Request>
            <OrderRequestHeader>
               <AuthToken>
                  <UserName>  30      String
                  <Password>  30      String
               </AuthToken>
            </OrderRequestHeader>
           <TargetOrderID>   50      String
           (<ReissueRegisterInfo>
               <SubscriberEmailAddress>?   255     String
                 <PickupPassword>    256     String
                 <HasForitfy>?      String  true, false ※EPKIAATL only
             </ReissueRegisterInfo>)?
           (<ReissuePKCS12Info>
               <PKCS12PIN>   117     String
             </RessuePKCS12Info>)?
           (<ReissueCertInfo>
               <CSR> String 4000
             </ReissueCertInfo>)?
         </Request>
      </ws:ReissueCertificate>
   </soapenv:Body>
</soapenv:Envelope>
```

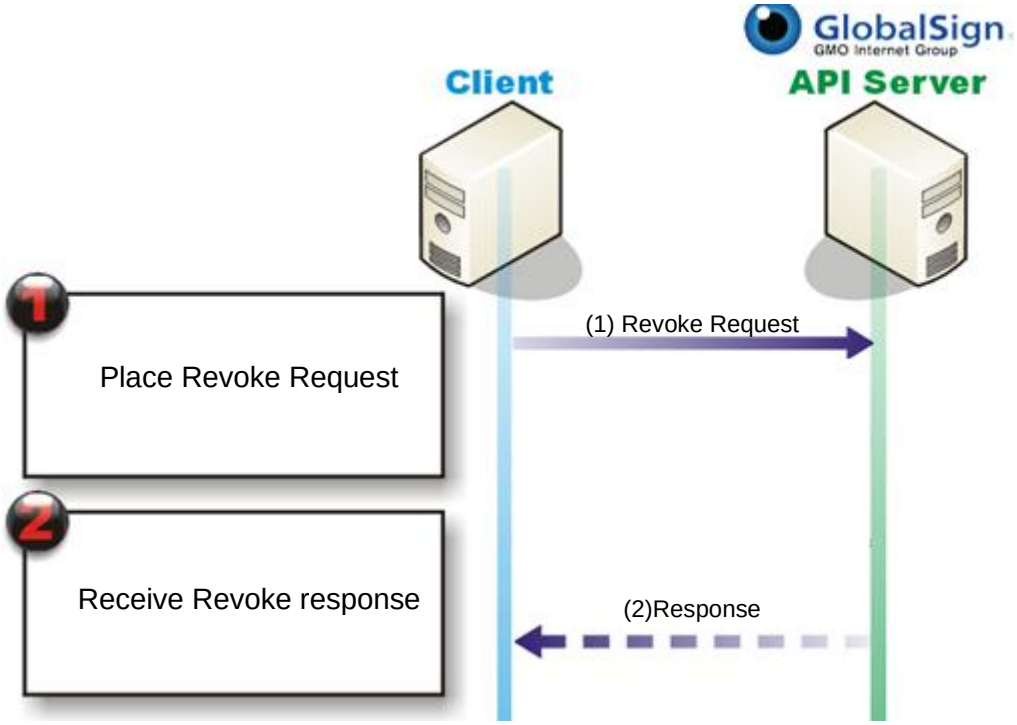
Response

```
<ns2:ReissueCertificate xmlns:ns2="https://system.globalsign.com/cr/ws/">
       <Response>
              <OrderResponseHeader>
                     <SuccessCode>                2
                     <Timestamp>                  DateTime
              </OrderResponseHeader>
              <OrderID>      50      String
              <Type>                 String(Order/ PKCS12 / Cert)
              <BASE64PKCS12>?        String (If PKCS12)
              <PKCS12>?              String (If PKCS12)
              <CERT>?        String (If Cert, included DS)
       </Response>
</ns2:ReissueCertificate>
```

Error Response

```
<ns2:OrderPkcs12Response xmlns:ns2="https://system.globalsign.com/cr/ws/">
       <Response>
              <OrderResponseHeader>
                     <SuccessCode>                        2
                     (<Errors>
                            (<Error>
                                   <ErrorCode>           5
                                   (<ErrorField>)?       1000    String
                                   <ErrorMessage>        1000    String
                            </Error>)+
                     </Errors>)?
                     <Timestamp>                                  DateTime
              </OrderResponseHeader>
       </Response>
</ns2:OrderPkcs12Response>
```

12. Revoking EPKI Certificates



1. Place Revoke Request for PersonalSign or PersonalSign Department certificate
2. Receive response containing Success Code and the OrderID in case of success

12.1 Revoking EPKI Certificate

Revoke Request

```
<soapenv:Body>
      <ws:Revoke>
            <Request>
                  <OrderRequestHeader>
                        <AuthToken>
                              <UserName>                30   String
                              <Password>                30   String
                        </AuthToken>
                  </OrderRequestHeader>
                  <OrderID>                             50   String
            </Request>
      </ws:Revoke>
</soapenv:Body>
```

Revoke Normal Response

```
<ns2: RevokeResponse xmlns:ns2="https://system.globalsign.com/cr/ws/">
   <Response>
      <orderResponseHeader>
            <SuccessCode>                    2   Int
            <Timestamp>                          DateTime
      </orderResponseHeader>
      <OrderID>                             50   String
   </Response>
</ns2: RevokeResponse >
```

Revoke Error Response

```
<ns2: RevokeResponse xmlns:ns2="https://system.globalsign.com/cr/ws/">
   <Response>
      <orderResponseHeader>
```

```
            <SuccessCode>                       2   Int
            (<Errors>
                        <ErrorCode>             5   Int
                        (<ErrorField>)?      1000   String
                        <ErrorMessage>       1000   String
            <Errors>)?
            <Timestamp>                             DateTime
      </orderResponseHeader>
   </Response>
</ns2: RevokeResponse >
```

13. Suspendrenewal Resumereneal for EPKIShortLivePS

Note: This is used only in EPKIShortLivedPS. ShortLived will send renewal notices at the time of certificate issuance for the duration of the license validity unless a Suspendrenewal is performed.

The API to resume Suspendrenewal is Renemerenewal.

.

```
<soapenv:Body>
      <ws: Suspendrenewal>
      <!{}Optional:{}>
            <Request>
                  <OrderRequestHeader>
                        <AuthToken>
                              <UserName>              30   String
                              <Password>              30   String
                        </AuthToken>
                  </OrderRequestHeader>
                  <DNSerialNumber>                    50   String
            </Request>
      </ws:Revoke>
</soapenv:Body>


<soapenv:Body>
      <ws:Resumerenewal>
      <!{}Optional:{}>
            <Request>
                  <OrderRequestHeader>
                        <AuthToken>
                              <UserName>              30   String
                              <Password>              30   String
                        </AuthToken>
                  </OrderRequestHeader>
                  <DNSerialNumber>                    50   String
            </Request>
      </ws:Revoke>
</soapenv:Body>
```

14. Query API Calls

Note: The Query API does not screen the whitelisted IP address (as shown in Section 4.1).

14.1 Get certificate order details – Single Certificate (GetOrderByOrderID)

GetOrderByOrderID Request

```
<GetOrderByOrderID xmlns="https://system.globalsign.com/cr/ws/">
        <Request>
                <QueryRequestHeader>
                        <AuthToken>
                                <UserName>                      30      String
                                <Password>                      30      String
                        </AuthToken>
                </QueryRequestHeader>
                <OrderNo>                                       50      String
                (<OrderQueryOption>
                        (<ReturnCertificateInfo>)?              5       String  true, false
                        (<ReturnFulfillment>)?                  5       String  true, false
                        (<ReturnP7>)?                           5       String   true, false (This can be set
                                                                        when ReturnFulfillment = true)
                        (<ReturnModEvents>)?                    5       String  true, false
                </OrderQueryOption>)?
        </Request>
</GetOrderByOrderID>
```

GetOrderByOrderID Response

```
<GetOrderByOrderIdResponse xmlns="https://system.globalsign.com/cr/ws/">
        <Response>
                <QueryResponseHeader>
                        <SuccessCode>                           2
                        (<Errors>
                                (<Error>
                                        <ErrorCode>             5
                                        <ErrorMessage>          1000    String
                                </Error>)+
                        </Errors>)?
                        <Timestamp>                                     YYYY-MM-DDTHH:MM:SS.000Z
                </QueryResponseHeader>
                <OrderNo>?                                      50      String
                (<OrderDetail>
                        <OrderInfo>
                                <OrderNo>                       50      String
                                <OrderStatus>                   NONE,REQUESTING,REQUESTED,ISSUED,
                                                                CANCELED,REISSUED,ISSUE_WAIT,
                                                                ISSUE_REQUESTED,ISSUE_CANCELED,
                                                                CANCEL_REQUESTED,ISSUE_ERROR,
                                                                VALIDATE_ERROR,REQUESTING_P12BULK,
                                                                REQUESTED_P12BULK

                                <ProductCode>                   20      String
                                (<OriginalOrderIDForReIssue>)?  50      String
                                <ProfileNo>                     50      String
                                <LicenseNo>                     50      String
                                <RequestDate>                           YYYY-MM-DDTHH:MM:SS.000Z
                                (<RequestBeforeDate>)?                  YYYY-MM-DDTHH:MM:SS.000Z
                                (<RequestAfterDate>)?                   YYYY-MM-DDTHH:MM:SS.000Z
                                <OrderDate >                            YYYY-MM-DDTHH:MM:SS.000Z
                                <IssueDate>                             YYYY-MM-DDTHH:MM:SS.000Z
                                <ValidityPeriod >
                                        <NotBefore>             YYYY-MM-DDTHH:MM:SS.000Z
                                        <NotAfter>              YYYY-MM-DDTHH:MM:SS.000Z
                                </ValidityPeriod>
```

```
                        <RenewalStatus>              ACTIVE or INACTIVE or NotApplicable
                        </RenewalStatus> this is not implemented yet
                    </OrderInfo>
                    (<CrCertificateInfo>
                                <CertificateStatus>
        NONE,ISSUED,REVOKE_VALIDATING,
                                                            REVOKED,REVOKED_CA,REVOKE_REQUESTED,
                                                            REVOKE_FAIL
                                <SerialNumber>                      64      String
                                <StartDate>                                 YYYY-MM-DDTHH:MM:SS.000Z
                                <EndDate>                                   YYYY-MM-DDTHH:MM:SS.000Z
                                <Email>                             255     String
                                <CommonName>                        64      String
                                <OrganizationUnits>
                                <OrganizationUnit>          *       64      String
                                </OrganizationUnits>
                                <Organization>                      64      String
                                <Locality>                          64      String
                                <State>                             64      String
                                <Country>                           64      String
                            <DNSerialNumber>                        64      String
                    </CrCertificateInfo>)?
                    (<Fulfillment>
                                <CrCertificate>
                                        <Certificate>               4000    String
                                (<PKCS7Cert>)?                      4000    String
                            </CrCertificate>
                            </Fulfillment>)?

                    (<ModificationEvents>
                                (<ModificationEvent>
                                <ModificationEventName>             ORDER_REQUEST,ORDER_CONSENT,
                                                            ORDER_NOT_CONSENT, CERT_ISSUE_WAIT,
                                                            CERT_ISSUE, ORDER_ISSUE_BEFORE_CANCEL,
                                                            ORDER_ISSUE_AFTER_CANCEL,
                                                            ORDER_CANCEL_REQUEST, CERT_REVOKE_REQUEST,
                                                            CERT_REVOKE, CERT_REVOKE_DENIAL,
                                                            CERT_CA_REVOKE, CERT_REISSUE,
                                                            ORDER_ERROR_RECOVERY, CERT_REVOKE_CANCEL,
                                                            ORDER_REISSUE_REQUEST,
                                                            REORDER_CANCEL_REQUEST,
                                                            CERT_ENROLLMENT_INFORMATION,
                                                            CERT_RENEWAL_INFORMATION,
                                                            CERT_REVOKE_REGISTER,
                                                            ORDER_REQUEST_BY_BULK4P12,
                                                            ORDER_REQUEST_BY_QUICKRENEW,
                                                            PKCS12_DOWNLOAD_RETRY,
                                                            PKCS12_DOWNLOAD_LOCKED, PKCS12_CLEAR_LOCK,
                                                            PKCS12_CERT_PASSWORD_LOCKED,

                                        <ModificationEventTimestamp>    YYYY-MM-DDTHH:MM:SS.000Z
                                </ModificationEvent>)?+
                    </ModificationEvents>)?



                </OrderDetail>)+?
        </Response>
</GetOrderByOrderIdResponse>
```

14.2 **Get Multiple Certificate Order Details – Multiple Certificates (GetOrders)**

Note: This API function is used to query issued certificate information. A maximum of 1,000 orders can be queried at a time, otherwise an error will be returned.

GetOrders Request

```
<GetOrders xmlns="https://system.globalsign.com/cr/ws/">
        <Request>
                <QueryRequestHeader>
                        <AuthToken>
                                <UserName>                      30      String
                                <Password>                      30      String
                        </AuthToken>
                </QueryRequestHeader>
                <OrderQueryParam>
                        <ProductCode>                           ePkiPSPersonal, ePkiPSDept,
                                                                ePkiPSPersonalPro, ePkiDSPersonalHsm,
                                                                ePkiDSDeptHsm, ePkiDSPersonal, ePkiDSAATL,
                                                                ePkiDSAATLASP, ePkiDSDept
                        <ProfileOrderNo>?                               50      String
                                <LicenseOrderNo>?                               50      String
                                                <OrderState>?
        NONE,REQUESTING,REQUESTED,ISSUED,
                                                                CANCELED,REISSUED, ISSUE_WAIT,
                                                                ISSUE_REQUESTED,ISSUE_CANCELED,
                                                                CANCEL_REQUESTED,ISSUE_ERROR,
                                                                VALIDATE_ERROR,REQUESTING_P12BULK,
                                                                REQUESTED_P12BULK

                                                <CertState>?
        NONE,ISSUED,REVOKE_VALIDATING,
                                                                REVOKED,REVOKED_CA,REVOKE_REQUESTED,
                                                                REVOKE_FAIL
                                <RequestDateFrom>?              YYYY-MM-DDTHH:MM:SS.000Z
                                        <RequestDateTo>?                YYYY-MM-DDTHH:MM:SS.000Z
                                <IssueDateFrom>?                YYYY-MM-DDTHH:MM:SS.000Z
                                <IssueDateTo>?                  YYYY-MM-DDTHH:MM:SS.000Z
                        <CommonName>?                           64      String
                </ OrderQueryParam>)
                <OrdersQueryOption>
                        (<ReturnCertificateInfo>)?              5       String  true, false
                        (<ReturnFulfillment>)?                  5       String  true, false
                </OrdersQueryOption>
        </Request>
</ GetOrders >
```

GetOrders Response

```
<GetOrdersResponse xmlns="https://system.globalsign.com/cr/ws/">
        <Response>
                <QueryResponseHeader>
                        <SuccessCode>                           2
                        (<Errors>
                                (<Error>
                                        <ErrorCode>             5
                                        <ErrorMessage>          1000    String
                                </Error>)+
                        </Errors>)?
                        <Timestamp>                             25      YYYY-MM-DDTHH:MM:SS.000Z

                </QueryResponseHeader>
                < TotalCount >                                  5
        <OrderDetails>
                (<OrderDetail>
                        <OrderInfo>
                                <OrderNo>                       50      String
                                <OrderStatus>                   NONE,REQUESTING,REQUESTED,ISSUED,
```

```
                                                    CANCELED,REISSUED,ISSUE_WAIT,
                                                    ISSUE_REQUESTED,ISSUE_CANCELED,
                                                    CANCEL_REQUESTED,ISSUE_ERROR,
                                                    VALIDATE_ERROR,REQUESTING_P12BULK,
                                                    REQUESTED_P12BULK

                        <ProductCode>               20      String
                        (<OriginalOrderIDForReIssue>)?  20      String
                        <ProfileNo>                 64      String
                        <LicenseNo>                 64      String
                        <RequestDate>                       YYYY-MM-DDTHH:MM:SS.000Z
                        (<RequestBeforeDate>)?              YYYY-MM-DDTHH:MM:SS.000Z
                        (<RequestAfterDate>)?               YYYY-MM-DDTHH:MM:SS.000Z
                        <OrderDate >                        YYYY-MM-DDTHH:MM:SS.000Z
                        <IssueDate>                         YYYY-MM-DDTHH:MM:SS.000Z
                        <ValidityPeriod >
                                <NotBefore>                 YYYY-MM-DDTHH:MM:SS.000Z
                                <NotAfter>                  YYYY-MM-DDTHH:MM:SS.000Z
                        </ValidityPeriod >
                    <RenewalStatus>         ACTIVE or INACTIVE or NotApplicable
                    </RenewalStatus> this is not implemented yet
                </OrderInfo>
            (<CrCertificateInfo>
                        <CertificateStatus>
    NONE,ISSUED,REVOKE_VALIDATING,
                                                    REVOKED,REVOKED_CA,REVOKE_REQUESTED,
                                                    REVOKE_FAIL
                        <SerialNumber>                      64      String
                        <StartDate>                         25      YYYY-MM-DDTHH:MM:SS.000Z
                        <EndDate>                           25      YYYY-MM-DDTHH:MM:SS.000Z
                        <Email>                             64      String
                        <CommonName>                        64      String
                        <OrganizationUnits>
                                <OrganizationUnit>      +   64      String
                        </OrganizationUnits>
                        <Organization>                      64      String
                        <Locality>                          64      String
                        <State>                             64      String
                        <Country>                           64      String
                    <DNSerialNumber>                        64      String
            </CrCertificateInfo>)?
            (<Fulfillment>
                    <CrCertificate>
                            <Certificate>               4000    String
                    </CrCertificate>
            </Fulfillment>)?
            </OrderDetail>)+?
        </OrderDetails>)


    </Response>
</ GetOrdersResponse>
```

14.3 **Get Profiles Information (GetProfiles)**

GetProfiles Request

```
<ws:GetProfiles>
          <Request>
                    <QueryRequestHeader>
                              <AuthToken>
                                        <UserName> 30         String
                                        <Password>            30         String
                              </AuthToken>
                    </QueryRequestHeader>
                    <ProfileQueryParam>
                              (<ProfileOrderNo>)?             50         String
                              (<ProfileOrderState>)?                     REQUESTING, REQUESTED, SUSPEND,
                                                                         SUSPEND_REQUESTED, VALIDATING,
                                                                         CANCELLED, VALIDATED, CANCEL_REQUESTED,
                                                                         REQUESTING_EXTEND, REQUESTED_EXTEND,
                                                                         VALIDATING_EXTEND, VALIDATING_ERROR,
                                                                         CANCEL_ERROR
                              (<RequestDateFrom>)?                       YYYY-MM-DDTHH:MM:SS.000Z
                              (<RequestDateTo>)?                         YYYY-MM-DDTHH:MM:SS.000Z
                              (<IssueDateFrom>)?                         YYYY-MM-DDTHH:MM:SS.000Z
                              (<IssueDateTo>)?                           YYYY-MM-DDTHH:MM:SS.000Z
                              (<Locality>)?                  64          String
                              (<StateOrProvince>)?           64          String
                              (<Organization>)?              64          String
                              (<OrganizationUnit>)*          64          String
                              (<ContractorUserId>)?          30          String
                    </ProfileQueryParam>
          </Request>
</ws:GetProfiles>
```

GetProfiles Response

```
<ns2:GetProfilesResponse xmlns:ns2="https://system.globalsign.com/cr/ws/">
          <Response>
                    <QueryResponseHeader>
                              <SuccessCode>                        2
                              <Errors/>
                              <Timestamp>                                YYYY-MM-DDTHH:MM:SS.000Z
                     </QueryResponseHeader>
                    <TotalCount>
                    <ProfileDetails>
                               (<ProfileDetail>
                                        <ProfileInfo>
                                                  <ProfileOrderNo>      50 String
                                                  <ProfileOrderState>   REQUESTING, REQUESTED, SUSPEND,
                                                                        SUSPEND_REQUESTED, VALIDATING,
                                                            CANCELLED, VALIDATED, CANCEL_REQUESTED,
                                                            REQUESTING_EXTEND, REQUESTED_EXTEND,
                                                            VALIDATING_EXTEND, VALIDATING_ERROR,
                                                            CANCEL_ERROR
                                                  <RequestDate>         YYYY-MM-DDTHH:MM:SS.000Z
                                                  <RequestBeforeDate>         YYYY-MM-DDTHH:MM:SS.000Z
                                                  <RequestAfterDate>           YYYY-MM-DDTHH:MM:SS.000Z
                                                  <IssueDate>           YYYY-MM-DDTHH:MM:SS.000Z
                                                  <ValidityPeriod>
                                                            <NotBefore>     YYYY-MM-DDTHH:MM:SS.000Z
                                                            <NotAfter>       YYYY-MM-DDTHH:MM:SS.000Z
                                                  </ValidityPeriod>
                                        </ProfileInfo>
                                        <ProfileDnAttributes>
                                                  <CommonName>          64         String
                                                  <Organization>        64         String
                                                  <OrganizationUnits>
                                                  (<OrganizationUnit>)* 64         String
                                                  </OrganizationUnits>
                                                  <StateOrProvince>     128        String
                                                  <Locality>            128        String
                                                  <Country>             30         String
                                        </ProfileDnAttributes>
                                        <ProfileAttributes>
                                                  <HashType>        sha1/sha256/RSASSA-PSS(SHA256)
                                                  <EFSOption>           On/Off
                                                  <UPN>                 On/Off
                                                                        On: SmartCard Logon Option is enable
                                                                        Off: SmartCard Logon Option is disable
                                                                        Note:This tag is NOT related with UPN.
                                                  <RenewalType>         On/Off/Quick
                                                                        On: Auto , Off: Manual, Quick: Quick
                                                  <NonExportable>       On/Off
```

```
                                                    <NonRepudiation>      On/Off
                                                    <OCSPOption>          On/Off
                                            </ProfileAttributes>
                                    </ProfileDetail>)+
                            </ProfileDetails>
                    </Response>
</ns2:GetProfilesResponse>
```

GetProfiles Error Response

```
<ns2:OrderPkcs12Response xmlns:ns2="https://system.globalsign.com/cr/ws/">
        <Response>
                <OrderResponseHeader>
                        <SuccessCode>                       2
                        (<Errors>
                                (<Error>
                                        <ErrorCode>         5
                                        (<ErrorField>)?     1000    String
                                        <ErrorMessage>      1000    String
                                </Error>)+
                        </Errors>)?
                        <Timestamp>                                 DateTime
                </OrderResponseHeader>
                <TotalCount>
                <ProfileDetails/>
        </Response>
</ns2:OrderPkcs12Response xmlns:ns2="https://system.globalsign.com/cr/ws/">
```

15. Certificate Order Entry Parameters

15.1 Product codes

The product code is a necessary item in most of the API calls above. The code you enter should match the type of certificate being ordered. The following is the complete list of Product Codes.

No.	Code	Certificate Type	Usage
1	EPKIPSDept	Enterprise PKI Lite For PersonalSign Department	Used in OrderAndIssueCertificate,OrderPkcs12 and OrderCertificate
2	EPKIPSPersonal	Enterprise PKI Lite For PersonalSign	Used in OrderAndIssueCertificate,OrderPkcs12 and OrderCertificate
3	ePkiDSAATL	ePKI AATL	Used in OrderDS
4	ePkiDSAATLASP	ePKI AATL ASP	Used in OrderDS

15.2 Validity Period

You can control the validity period of ordered certificates by setting the number of years. (Note: you need to have purchased the appropriate license pack via your GCC account/web interface).

Number of Years	Certificate Validity Period (days)
1	366
2	731
3	1096

15.3 **Password Requirements**

Below are the password requirements. The Pickup Password (PickupPassword Element) will be used by the end user in order to securely pick up and install the certificate. Certificate Password (PKCS12PIN Element) is used for PKCS#12 file protection.

Password Type	Min Length / Max Length	Character
Pickup Password (used to protect access for initial enrollment)	8 / 256	Alphanumeric
Certificate Password (used to protect private key)	12 / 117	Alphanumeric + symbols
	AUTOGEN	Random alphanumeric symbols are automatically generated
<PKCS12PIN> input data response <PKCS12Password>		
Notes: symbols reserved characters are included, but they are encoded Example < < > > & & ’ ' " "		

15.4 **DN and UPN Requirement**

Below are the Distinguished Name, User Principal Name and SecurityIdentifer requirements.

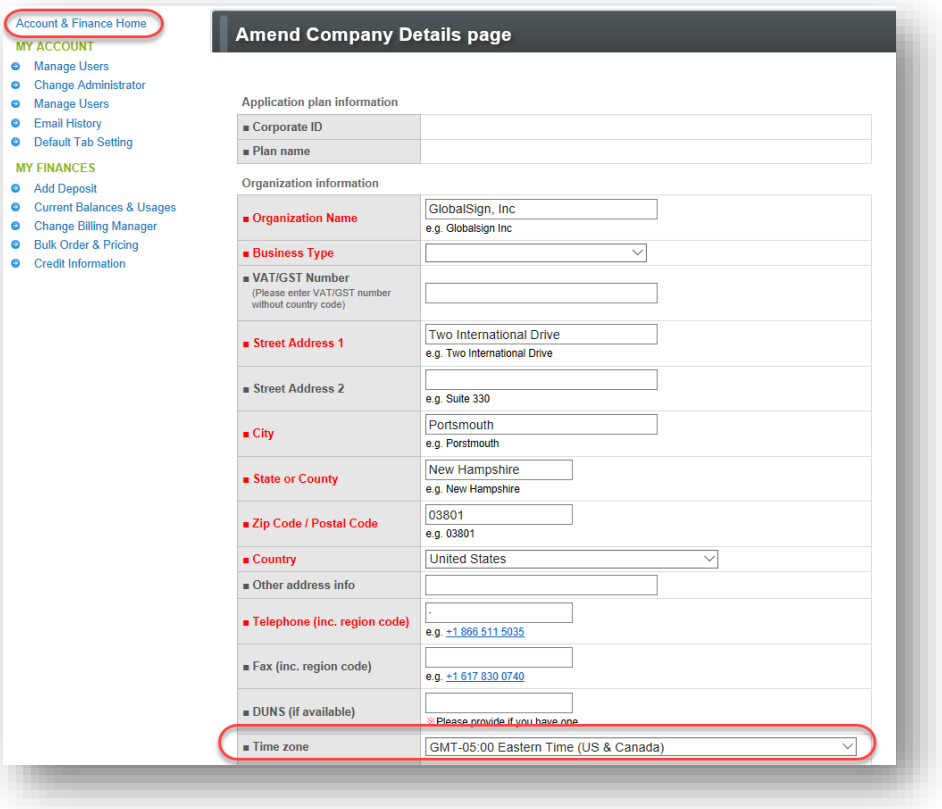
Type (Element)	Max Length	Character
Common Name (<CommonName>)	64	space and ASCII characters except "$\<>
Organization Unit (<OrganizationUnit>)	64	space and ASCII characters except "$\<>
Email (<Email>)	255	RFC822Name
User Principal Name (<UPN>)	255	RFC822Name
Security Identifier (<SID>)	128	Alphanumeric,- (hyphen)

16. Acceptable DateTime for Query

DateTime options for Query Requests (GetOrders and GetProfiles) are listed below.

Setting Value in Request	From	To	TimeZone Used
YYYY-MM-DD	YYYY-MM-DDT00:00:00.000	YYYY-MM-DDT23.59.59.999	GCC UI Configuration
YYYY-MM-DDTHH:MM:SS	YYYY-MM-DDTHH:MM:SS.000	YYYY-MM-DDTHH:MM:SS.999	GCC UI Configuration
YYYY-MM-DDTHH:MM:SS.000	YYYY-MM-DDTHH:MM:SS.000	YYYY-MM-DDTHH:MM:SS.000	GCC UI Configuration
YYYY-MM-DDZ	YYYY-MM-DDT00:00:00.000	YYYY-MM-DDT23:59:59.999	Z
YYYY-MM-DDTHH:MM:SSZ	YYYY-MM-DDTHH:MM:SS.000	YYYY-MM-DDTHH:MM:SS.999	Z
YYYY-MM-DDTHH:MM:SS.000Z	YYYY-MM-DDTHH:MM:SS.000	YYYY-MM-DDTHH:MM:SS.000	Z

If TimeZone is not specified, it is automatically set according to the time zone setting listed in your GCC account.



Example:

```
<IssueDateFrom>2017-11-17</IssueDateFrom> and TimeZone is set as GMT+08:00 is same as
<IssueDateFrom> 2017-11-17T00:00:00.000+08:00</IssueDateFrom>

<IssueDateTo>2017-11-17-05:00</IssueDateFrom> and TimeZone is set as GMT+08:00 is same as
<IssueDateTo> 2017-11-17T23:59:59.999-05:00</IssueDateTo>
```

17. XML Field definitions

This table lists all of the data types used in the API specification in alphabetical order.

DataType	Description
String	fixed-length character string
Boolean	logical Boolean (true/false) : Default value is false.
Int	signed four-byte integer
DateTime	YYYY-MM-DDTHH:MM:SS.000Z Please refer Chapter 16.

XML Structure	Description	DataType/ Max length
<BASE64PKCS12>	A base64-encoded PKCS#12	String/-
<CERT>	A base64-encoded Certificate File	String/-
<CertificateStatus>	The current status of certificate	
<CertState>	The certificate status for query.	
<CommonName>	The common name in the certificate.	String/64
<ContractorUserID>	UserID who created Profile(s)	String/-
<Country>	Contained in the Organization Address structure. The Country of the Organization. Must be a valid ISO country code.	String/30
<CrCertificateInfo>	This structure contains information stored related to the certificate in various Query operations.	
<CSR>	Certificate Signing Request. This is the Base64 encoded X.509 digital certificate signing request typically generated by the end user.	String/4000
<DnAttributes>	A structure that contains the information to be included in the certificate subject DN.	
<EFSOption>	If this this option is enabled, then the certificate will have EFS extension in the certificate extended key usage. Note, that the true/false values are case-sensitive.	Boolean
<Email>	The email address in the certificate, DN:E.	String/128
<SubscriberEmailAddress>	If you do not use <Email>, please describe it here	String/128
<SANRFC822EmailAddress>	The email address in the certificate SAN RFC822.	String/128
<EndDate>	Expiry date of the certificate	DateTime
<Error>	A structure that contains an ErrorCode and an ErrorMessage. Error is part of the Errors structure.	
<ErrorCode>	A unique code identifying the error.	Int
<ErrorField>	When there is a specific field that has caused the error, the XML tag for that field is placed in this structure. Where the tag is not unique in the entire message, one or more tags precede this so this field can be uniquely	String/1000

XML Structure	Description	DataType/ Max length
	identified. For example, if the <Email> field was invalid in the <DnAttributes> structure, the return code would have <DnAttributes><Email>.	
<ErrorMessage>	A message describing an error in more detail. ErrorMessage is a part of the Error Structure	String/1000
<Fulfillment>	Contains the ePKI certificate(s) (in x509 and/or PKCS7 formats)	
<HashType>	Certificate Signing Signature type used for Certificate SHA1 is SHA1withRSA, and SHA256 is SHA256withRSA, and RSASSA-PSS(SHA256)	SHA1,SHA256,RSASSA-PSS (SHA256)
<IssueDate>	Certificate issued date	DateTime
<IssueType>	Parameter REGISTER will allow user enrollment of the resulting certificate. Parameter ISSUE will directly return the certificate in the API response. For ISSUE either a CSR is mandatory or the resulting certificate will be delivered in PKCS#12 format.	String ISSUE/REGISTER
<HasCSR>	Set as true if you have externally generated CSR.	Boolean
<LicenseNo>	The License ID you have ordered.	String/50
<LicenseOrderNo>	The License ID you would like to query.	String/50
<Locality>	The Locality field from the CSR or Certificate.	String/64
<ModificationEvents>	The set of events for the order that caused the status to be changed within the specified time period.	
<ModificationEventName>	The name of the event	String/50
<ModificationEventTimeStamp>	The time of the event.	DateTime
<NonExportable>	Status if Non Exportable Option is enable or not.	Boolean
<NonRepudation>	Currently always Off is returned	On/Off
<OCSPOption>	Status if OCSP Option is enable or not.	Boolean
<NotAfter>	The date on which the certificate validity period ends.	DateTime
<NotBefore>	The date on which the certificate validity period begins.	DateTime
<OrderDate>	The date the order was created.	DateTime
<OrderID>	This is the OrderID assigned by GlobalSign to the order and provided to the person requesting the certificate.	String/50
<OrderNo>	Same as OrderID	String/50
<OrderInfo>	This structure contains basic information that apply to most orders and is profiled within each order response structure.	
<OrderStatus>	The current status of an order	String
<OrderState>	The current status of an order which you want to query	String

XML Structure	Description	DataType/ Max length
<Organization>	The Organization field from the certificate.	String/64
<OrganizationUnit>	The OrganizationalUnit in the certificate.	String/64
<OriginalOrderIDForReIssue>	Original Order ID which has been reissued.	
<Password>	Required for user authentication over the API.	String/30
<PKCS12>	A BASE64 encoded PKCS#12 (without return code)	String
<PKCS7Cert>	A BASE64 encoded PKCS#7	String
<PKCS12Option>	Set as true if you want to receive PKCS12 file.	Boolean
<PKCS12PIN>	The password for PKCS12 file that the end user will need to enter when importing the P12 certificate.	String/117
<PickupPassword>	This password is used to protect access for initial enrollment.	String/30
<ProductCode>	A code for the product that a particular request relates to. Note that a partner must have a valid contract for a product code for it to be valid in a request. Also, a product code must be valid for the context of the request.	String/50 EPKIPSPersonal EPKIPSDept ePkiSmimeOnly ePkiDSAATL ePkiDSAATLASP
<ProfileAttributes>	Attribute Information which set in the Profile	
<ProfileDNAttributes>	DNAttribute Information which set in the Profile	
<ProfileID>	EPKI profile ID. Can be found in the GCC.	String/50
<ProfileOrderNo>	Same as ProfileID above.	String/50
<ProfileOrderState>	Status of the Profile you would like to query.	
<Renew>	If this is true, added 30 days bonus.	Boolean
<RenewalType>	Renewal type which is set in Profile	On / Off / Quick
<RequestAfterDate>	N/A (Not Used and always return as nil)	DateTime
<RequestBeforeDate>	N/A (Not Used and always return as nil)	DateTime
<RequestDate>	Request Date for this query	DateTime
<RequestDateFrom>	Search Start Date	DateTime
<RequestDateTo>	Search End Date	DateTime
<ReturnCertificateInfo>	If sent to true in the request message, the CertificateInfo structure appears in the response message.	
<ReturnCount>	The number of items returned in the message	Int
<ReturnFulfillment>	If set to true in the request message, the Fulfillment structure appears in the response message.	
<ReturnP7>	Set if you want to receive PKCS7 file.	Boolean
<ReturnModEvents>	Indicate “When” “What” Order Modification happened.	
<SerialNumber>	The serial number of a certificate specified as a hex string.	
<StartDate>	Start effective date of certificate.	DateTime

XML Structure	Description	DataType/ Max length
<State>	The value of the State in the Certificate.	
<StateOrProvince>	The State or Province in the certificate	String/64
<SuccessCode>	Code in the Order and Query Response Headers which indicates the success of failure of the request. A zero SuccessCode indicates a success with no warnings. A positive SuccessCode indicates a success with warnings. A negative SuccessCode indicates a failure. Note that if the Success in non-zero an accompanying Errors structure will be present.	Int/1
<UPN>	Certificate for MS smartcard login. detailed information can be found http://support.microsoft.com/kb/281245	String/64
<UserName>	Required for user authentication.	String/30
<ValidityPeriod>	The period that a certificate will be valid for.	
<Year>	The number of years the certificate will be valid.	Int/1
<IssueType>	Parameter REGISTER will allow user enrollment of the resulting certificate. Parameter ISSUE will directly return the certificate in the API response. For ISSUE either a CSR is mandatory or the resulting certificate will be delivered in PKCS#12 format.	String ISSUE/REGISTER
<EmailLanguage>	Email template selection which are sent to users as notification messages. Default value is the same language with GCC Account. The values are two character language code. Before setting new EmailLanguage, the new Email template needs to be created in GCC.	String/2

18. Status Explanations

A SuccessCode is always returned from the API. If the SuccessCode is 0 or 1, the order will normally be able to continue. A SuccessCode of -1 will be a terminating point and will be combined in the reply with one or more ErrorCodes. ErrorCodes provide more information on the Error created with the API call.

18.1 Success Codes

Code	Code Details
0	Success
-1	Failure
1	Warning

18.2 **Error Codes**

Success Code	Error Code	Error Summary	System Error Message
-1	-1	Failure (unknown reasons)	Please Report this error to your GlobalSign Representative.
-1	-101	Invalid parameter	Invalid parameter entered. Please check that the parameters match the API specification. Please review the specific ErrorMessage returned in the XML response for parameter details and consult the XML Field definitions section of the applicable API document.
-1	-102	Mandatory parameter missing	Mandatory parameter missing. Please check that the parameters match the API specification. Please review the specific ErrorMessage returned in the XML response for parameter details and consult the XML Field definitions section of the applicable API document.
-1	-103	Parameter length check error	Parameter length check error. Please check that the parameters match the API specification. Please review the specific ErrorMessage returned in the XML response for parameter details and consult the XML Field definitions section of the applicable API document.
-1	-104	Parameter format check error	Parameter format check error. Please check that the parameters match the API specification. Please review the specific ErrorMessage returned in the XML response for parameter details and consult the XML Field definitions section of the applicable API document
-1	-105	Invalid parameter combination	Invalid parameter combination. Please that check the parameters match the API specification.
-1	-201	Failed database operation	System Error. (Database error - database operation). Please retry and if the issue persists contact support with detailed information concerning the issue.
-1	-4001	Login failure / invalid user ID	Login failure. UserName or Password is incorrect. Please make sure that you have specified the correct UserName and Password.
-1	-4007	Invalid CSR	An error occurred when processing this request because of the CSR specified. Possible error reasons are; the algorithm of the CSR is not RSA, the Key Length of the CSR is less than 2048, the RSA key in the CSR is weak or the Private Key of the CSR has been used previously. Please make sure that the CSR is correctly entered.
-1	-6015	The CSR contains a key size that is not supported. Please generate keys for the CSR with a modulus of 2048, 3072, 4096, or 8192 bits.	If you see this error, the key size is not supported. Please change the key size and try again.
-1	-6016	Please use CSR that have public exponent inside the range 2^16 + 1 and 2^256 - 1	Please use CSR that have public exponent inside the range 2^16 + 1 and 2^256 - 1

Success Code	Error Code	Error Summary	System Error Message
-1	-6037	The primes in your RSA key are too close which is a security vulnerability. Please create a new CSR	The primes in your RSA key are too close which is a security vulnerability. Please create a new CSR
-1	-9301	Not found ProfileID	An error occurred when processing this request because of the ProfileID or ProfileOrderNo specified. You are not owner of the specified ProfileID/ProfileOrderNo or it is not existing. Please make sure that it is correctly entered.
-1	-9302	Not found License	An error occurred when processing this request. It could be that your account does not have a usable License that matches with your specified ProductCode and Year. Please make sure that the ProductCode or Year is correctly entered.
-1	-9303	The licenses are not usable. Licenses are not issued, or are lacking quantity	There are no usable licenses for the ProfileOrderNo provided. Please make sure that the ProfileOrderNo is correctly entered.
-1	-9304	Certificate was not able to be issued	A failure occurred when issuing the certificate for this request. Please try again and if the failure persists, please contact GlobalSign Support.
-1	-9305	This Product is out of service for PKCS12	The ProductCode specified is not allowed for PKCS12. Please make sure that your ProductCode is correctly entered.
-1	-9306	The profile are not usable.	The specified ProfileID is not usable for ordering or the ProfileID is already expired. Please make sure that the ProfileID is correctly entered.
-1	-9307	Invalid Parameter	Unable to process this request because both PCKS12 and CSR option are specified at the same time. Please specify either PKCS12 or CSR Option only.
-1	-9309	Inconsistency Request with Original Certificate Order.	The request has inconsistent with original order. Please make sure whether the original order issued as PKCS12 or not.
-1	-9318	When FORTIFY is selected in Reissue/ ReissueCertificate EPKI (PS)	The request has inconsistent with original order. Please make sure whether the original order issued as FORTIFY or not.
-1	-9319	This request cannot use reissue registration.	This reissue registration cannot be proceeded due to Product Code for original order. Please choose online reissue option.
-1	-9331	This request cannot use reissue registration.	This reissue registration is not possible because it does not meet the current requirements.
-1	-9399	Access Denied	Access to the requested enterprise service is not allowed. Please check your permissions and try again.
-1	-9600	Wrong syntax error	Invalid name/value in Extensions
-1	-9601	Duplicate syntax error	Duplicated name and value in Extensions
-1	-9602	Unsupported error (Default (e.g. DCT is off) but set extensions)	You do not have permission to use specified Extension.
-1	-9605	RFC5280 EmailProtection KU/EKU combination Violation	EmailProtection KeyUsage and related Extended Key Usage combination is wrong.
-1	-9609	RFC5280 ClientAuth KU/EKU combination Violation	ClientAuth KeyUsage and related Extended Key Usage combination is wrong.

Success Code	Error Code	Error Summary	System Error Message
-1	-9611	Error extension need one EKU	At least one EKU is required.
-1	-9612	Error extension need one KU	At least one KU is required.
-1	-9900	IP Address Out of Range	Unable to process this request. It is possible that the IP Address you are using is not within the range of IP Addresses allowed to use this API or allowed to use the profile specified. Please recheck your profile.
-1	-9901	Product Not found	The Product Group of this user does not allow ordering of the specified ProductCode. Please contact Globalsign Support if you wish to order using this ProductCode.
-1	-9902	Cannot Access Certificate Order	Unable to process this request. It could be that the order you are trying to modify has been previously modified or you do not have permission to modify the certificate. Please make sure that the OrderID is correctly entered.
-1	-9911	Credit line is over extended	There is insufficient credit in the account to complete the order process. Please verify that the account has sufficient funds and try again.
-1	-9912	Deposit line is over extended	There is insufficient deposit balance within the account to complete the order process. Please verify that the account has sufficient funds and try again.
-1	-9915	Already canceled	The order specified has already been canceled
-1	-9916	Certificate Order not found	The order specified cannot be found in the system
-1	-9936	The key you used in your CSR is either too short (RSA minimum 2048, ECC minimum 256) or the key failed the Debian weak key check. Please generate a new keypair and try again	If you receive this error, please increase the key size and try again.
-1	-9939	When an account is disabled	"The state of this account is either invalid or locked. Please make sure that the account is correctly configured. Contact customer support for assistance."
-1	-9952	Expected result over limit	The number of results to your search exceeded the limit. Please narrow down your search by adding more specific conditions.
-1	-9969	already done	Cannot be changed because it has already been implemented.
-1	-9970	Out of support value	Please state the appropriate value
-1	-10001	Account territory not set	[No ErrorMessage Included] (The account's territory setting is missing or invalid. Please contact GlobalSign support.The language code is invalid.)
-1	-10002	Un-parsable language Code	Un-parsable language Code (The language code is invalid. Please refer to the list of supported mail template language codes.)

Success Code	Error Code	Error Summary	System Error Message
-1	-10003	Mail template does not exist	Mail template does not exist (No mail template exists for the specified language code. Please create a mail template for the language using GCC.)
-1	-11001	Invalid Email domain.	Invalid Email domain. This Email domain is not registered or approved yet. (The specified email address domain is not approved for use by this profile. Please submit the domain for approval using GCC.)

19. S/MIME profile DN combination

Please keep this in mind when using Ordering PKCS7, Ordering PKCS12 Certificates and Ordering EPKI Certificates.

Profile	ProductCode	GivenName Dec 2024	Surname Dec 2024	Pseudonym Dec 2024	
S/MIME	ePkiPSPersonal	○	○	○	
S/MIME	ePkiPSDept	Ignore	Ignore	Ignore	Not used.
S/MIME	ePkiSmimeOnly	○	○	○	
S/MIME	ePkiPSPersonalPro	Ignore	Ignore	Ignore	Not used.
Auth	ePkiPSPersonal	Ignore	Ignore	Ignore	Not used.
Auth	ePkiPSDept	Ignore	Ignore	Ignore	Not used.
Auth	ePkiSmimeOnly	Ignore	Ignore	Ignore	Not used.
Auth	ePkiPSPersonalPro	Ignore	Ignore	Ignore	Not used.

Furthermore, there are additional restrictions here.

		GivenName	Surname	Pseusonym	CommonName	Note
1	Fail	John	Doe	a0b1c3		Combination error
2	Fail	John				Combination error, Surname is required field
3	Fail		Doe		Doe	Combination error, GivenName is required field From May 2025
4	Fail		Doe		Richard	Manually enter a name other than Surname at CommonName
5	OK	John	Doe		John Doe	Copy from GivenName space Surname if CommonName is blank
6	OK	John	Doe		Doe John John Doe	“Manually enter Surname space GivenName or GivenName space Surname” at CommonName
7	Fail	John	Doe		Richard Roe Roe Richard	Manually enter a value other than the Surname space GivenName or GivenName space Surname at CommonName
8	OK			a0b1c3	a0b1c3	Copy from Pseusonym if CommonName is blank
9	OK			a0b1c3	a0b1c3	Manually enter Pseusonym at CommonName
10	Fail			a0b1c3	bbbvvv	Manually enter non-Pseusonym at CommonName
11	Fail	John		a0b1c3		Combination error
12	Fail		Doe	a0b1c3		Combination error
13	Fail		Doe	a0b1c3	SANRFC822 value	Combination error
14	Fail	John	Doe	a0b1c3	SANRFC822 value	Combination error
15	Fail	John		a0b1c3	SANRFC822 value	Combination error
16	OK			a0b1c3	SANRFC822 value	
17	OK	John	Doe		SANRFC822 value	
Dec 2024 release till May 2025						
18	OK				John Doe or SANRFC822 value	Neither Given, Sur, nor Pse entered. CN will be handled as before Dec 2024.
May 2025 release						
19	Fail				John Doe	Neither Given, Sur, nor Pse entered.
20	Fail				SANRFC822 value	Neither Given, Sur, nor Pse entered.

From the API, if Surname is set, GivenName is required to be entered as well.

If you wish to issue a certificate with only Surname, please use GCC's OrderCertificate instead of the API.