

# Bitè E-Signature API Documentation

## V 0.4

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### **1 E-Signature general information**

The BITE E-Signature infrastructure can be used to obtain a mobile digital signature from an end user. How this is done:

#### **Prerequisites:**

- A user must have a SIM card supporting mobile signatures (Issued by BITE in every service outlet);
- An Application Provider (you) must have a BiteAPI username/password and a service configured for mobile signatures (more about this in chapter 3);

#### **Common mobile signature usage scenario (authentication):**

- You have a website where very secure user authentication is required, the users identity must be verified before authenticating him/her;
- A user comes to the website and wants to log-in, he then enters his mobile number to the login form and submits it.
- You then send an authentication request with a generated authentication challenge to BITE E-Signature API (example request in chapters 2 and 3)
- BITE E-Signature infrastructure contacts users mobile phone and he has to input his

authentication or signing PIN code;

- If code is correct, the signed authentication or signing challenge is returned, along with (optionally) the users certificate;
- You can then assume that the users identity is indeed correct and log him/her in.

## 2 Types Of Requests

The BITE E-Signature infrastructure supports two types of requests: **Signing** and **Authentication**. As the names imply, signing is used to sign a documents abstract, whereas authentication can be used to verify the users identity (e.g. when logging-in a user to an application). In essence these requests are almost identical from the API point of view. The main difference is that two different certificates are used for signing and authentication so this must be taken into account.

Service WSDL description is available here:

[https://soap.bite.lt/signature/services/MSS\\_Signature?wsdl](https://soap.bite.lt/signature/services/MSS_Signature?wsdl)

Additionally, should you need to retrieve the users certificate prior to the signing/authentication operation, a separate service is available called *MSS\_Registration*. The WSDL is available here:

[https://soap.bite.lt/signature/services/MSS\\_RegistrationPort?wsdl](https://soap.bite.lt/signature/services/MSS_RegistrationPort?wsdl)

### 2.1 Signing/Authentication Request parameters

Fields in the MSS\_SignatureRequest:

- MajorVersion – *integer*, required: always '1';
- MinorVersion – *integer*, required: always '1';
- AP\_Info
  - AP\_ID – *AnyURI*, required: format: bite://username (BiteAPI username);
  - AP\_PWD – *String*, required: BiteAPI password;
  - AP\_TransID – *NCName*, required: unique transaction identifier, it is up to you to generate it;
  - Instant – *DateTime*, required: Date and Time the message was created
- MSSP\_Info – *MeshMemberType*, required: Acquiring entities contact information
- MobileUser – *MobileUserType*, required:
  - MSISDN – *String*, required: the end users phone number, i.e. +37068500345
- DataToBeSigned – *DataType*, required: plain text or Base64 encoded SHA-1 hash
  - value – *String*, required: self-explanatory;
  - mime-type – *String*, required: text/plain or application/octet-stream;

- encoding – *String*, required: UTF-8 or Base64
- DataToBeDisplayed – *DataType*, required: text passed in this parameter is shown to the user before signing.
  - value – *String*, required: self-explanatory;
  - mime-type – *String*, required: always text/plain
  - encoding – *String*, required: always UTF-8
- SignatureProfile – *MssURIType*, required: field to determine if signing or authentication is requested and what BiteAPI services must be used. In the format: [http://mss.bite.lt/\[TYPE\]/\[SERVICE\\_ID\]](http://mss.bite.lt/[TYPE]/[SERVICE_ID]) where type is either **NonRep** – for signing, or **DigSign** – for authentication. Service indicates what BiteAPI service to use for billing. Examples: <http://mss.bite.lt/NonRep/4971> or <http://mss.bite.lt/DigSign/4971>
- MSS\_Format – *MSSUri*, optional: this field indicates the format of the signature that should be returned, supported formats are:
  - <http://uri.etsi.org/TS102204/v1.1.2#PKCS7> – when signing text;
  - <http://uri.etsi.org/TS102204/v1.1.2#PKCS1> – when signing binary data or text;
- ValidityDate – *DateTime*, optional: expiration date of the transaction;
- MessagingMode – *MessagingModeType*, required: *synch* or *asynchClientServer* (more on this on chapter 2.2)

## 2.2 Registration (certificate retrieval) request parameters

Fields in MSS\_RegistrationReq:

- MajorVersion – *integer*, required: always '1';
- MinorVersion – *integer*, required: always '1';
- AP\_Info
  - AP\_ID – *AnyURI*, required: format: bite://username (BiteAPI username);
  - AP\_PWD – *String*, required: BiteAPI password;
  - AP\_TransID – *NCName*, required: unique transaction identifier, it is up to you to generate it;
  - Instant – *DateTime*, required: Date and Time the message was created
- MSSP\_Info – *MeshMemberType*, required: Acquiring entities contact information
- MobileUser – *MobileUserType*, required:
  - MSISDN – *String*, required: the end users phone number, i.e. +37068500345
- CertificateURI – *AnyURI*, required: the type of certificate requested, <http://mss.bite.lt/NonRep> for signing or <http://mss.bite.lt/DigSign> for authentication.

### 3 Synchronous vs. Asynchronous mode

The BITE E-Signature API supports two kinds of operation modes: synchronous and asynchronous:

- In SYNCHRONOUS mode, the *MSS\_Signature* operation blocks and waits for an answer from the end-user (until he inputs his PIN code). This is the simplest and default mode – no additional configuration is required.
- In ASCYNHRONOUS CLIENT-SERVER mode, the *MSS\_Signature* operation returns immediately with the status code **504**. This means that the request to the users phone has been sent, and the client (you) must poll the API for the status. Polling is done by calling the operation *MSS\_StatusQuery* on the *MSS\_StatusPort*. WSDL for this port can be found here: [https://soap.bite.lt/signature/services/MSS\\_StatusPort?wsdl](https://soap.bite.lt/signature/services/MSS_StatusPort?wsdl). It is recommended to wait at least 20 seconds before polling for the first time as this is the feasible amount of time in which the user can input his PIN code. After the initial 20 second wait, polling can be done every 12 seconds. The information returned from *MSS\_StatusQuery* is identical to *MSS\_Signature*. Sample requests in asynchronous mode can be found in chapter 3.3.

## 4 Usage examples

### 4.1 Signing (Synchronous)

#### 4.1.1 Request

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">
  <soapenv:Body>
    <MSS_Signature xmlns="">
      <MSS_SignatureReq MajorVersion="1" MessagingMode="synch"
        MinorVersion="1" ValidityDate="2009-11-17T12:48:41.314Z">
        <ns1:AP_Info AP_ID="bite://test-user" AP_PWD="test-password"
          AP_TransID="_2" Instant="2009-11-17T11:48:41.314Z"
xmlns:ns1="http://uri.etsi.org/TS102204/v1.1.2#" />
        <ns2:MSSP_Info xmlns:ns2="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns2:MSSP_ID />
        </ns2:MSSP_Info>
        <ns3:MobileUser xmlns:ns3="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns3:MSISDN>+37068500345</ns3:MSISDN>
        </ns3:MobileUser>
        <ns4:DataToBeSigned Encoding="UTF-8" MimeType="text/plain"
          xmlns:ns4="http://uri.etsi.org/TS102204/v1.1.2#">Duomenys
pasirasymui</ns4:DataToBeSigned>
        <ns5:DataToBeDisplayed Encoding="UTF-8"
          MimeType="text/plain"
xmlns:ns5="http://uri.etsi.org/TS102204/v1.1.2#">Prasome pasirasyti
        </ns5:DataToBeDisplayed>
        <ns6:SignatureProfile xmlns:ns6="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns6:mssURI>http://mss.bite.lt/NonRep/4971</ns6:mssURI>
        </ns6:SignatureProfile>
        <ns7:MSS_Format xmlns:ns7="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns7:mssURI>http://uri.etsi.org/TS102204/v1.1.2#PKCS7</ns7:mssURI>
        </ns7:MSS_Format>
      </MSS_SignatureReq>
    </MSS_Signature>
  </soapenv:Body>
</soapenv:Envelope>
```

#### 4.1.2 Response

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">
  <soapenv:Body>
    <MSS_SignatureResponse xmlns="">
      <ns1:result xmlns:ns1="http://www.w3.org/2003/05/soap-
rpc">MSS_SignatureReturn</ns1:result>
      <MSS_SignatureReturn MSSP_TransID="_18540"
        MajorVersion="1" MinorVersion="1">
        <ns2:AP_Info AP_ID="bite://bite" AP_PWD="" AP_TransID="_2"
          Instant="2009-11-17T11:48:41.314Z" xmlns:ns2="http://uri.etsi.org/
TS102204/v1.1.2#" />
        <ns3:MSSP_Info Instant="2009-11-17T11:49:31.827Z"
          xmlns:ns3="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns3:MSSP_ID />
        </ns3:MSSP_Info>
        <ns4:MobileUser xmlns:ns4="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns4:MSISDN>+37065059332</ns4:MSISDN>
        </ns4:MobileUser>
```

```

        <ns5:MSS_Signature xmlns:ns5="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns5:Base64Signature>[BASE 64 ENCODED DATA]</ns5:Base64Signature>
        </ns5:MSS_Signature>
        <ns6:SignatureProfile xmlns:ns6="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns6:mssURI>http://mss.bite.lt/NonRep1</ns6:mssURI>
        </ns6:SignatureProfile>
        <ns7:Status xmlns:ns7="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns7:StatusCode Value="500" />
        </ns7:Status>
      </MSS_SignatureReturn>
    </MSS_SignatureResponse>
  </soapenv:Body>
</soapenv:Envelope>

```

## 4.2 Authorization (Synchronous)

### 4.2.1 Request

```

<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">
  <soapenv:Body>
    <MSS_Signature xmlns="">
      <MSS_SignatureReq MajorVersion="1" MessagingMode="synch"
        MinorVersion="1" ValidityDate="2009-11-17T12:48:41.314Z">
        <ns1:AP_Info AP_ID="bite://test-user" AP_PWD="test-password"
          AP_TransID="_2" Instant="2009-11-17T11:48:41.314Z"
xmlns:ns1="http://uri.etsi.org/TS102204/v1.1.2#" />
        <ns2:MSSP_Info xmlns:ns2="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns2:MSSP_ID />
        </ns2:MSSP_Info>
        <ns3:MobileUser xmlns:ns3="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns3:MSISDN>+37068500345</ns3:MSISDN>
        </ns3:MobileUser>
        <ns4:DataToBeSigned Encoding="UTF-8" MimeType="text/plain"
          xmlns:ns4="http://uri.etsi.org/TS102204/v1.1.2#">Duomenys
prisijungimui</ns4:DataToBeSigned>
        <ns5:DataToBeDisplayed Encoding="UTF-8"
          MimeType="text/plain"
xmlns:ns5="http://uri.etsi.org/TS102204/v1.1.2#">Prasome prisijungti
        </ns5:DataToBeDisplayed>
        <ns6:SignatureProfile xmlns:ns6="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns6:mssURI>http://mss.bite.lt/DigSign/4971</ns6:mssURI>
        </ns6:SignatureProfile>
        <ns7:MSS_Format xmlns:ns7="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns7:mssURI>http://uri.etsi.org/TS102204/v1.1.2#PKCS7</ns7:mssURI>
        </ns7:MSS_Format>
      </MSS_SignatureReq>
    </MSS_Signature>
  </soapenv:Body>
</soapenv:Envelope>

```

### 4.2.2 Response

```

<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">
  <soapenv:Body>
    <MSS_SignatureResponse xmlns="">
      <ns1:result xmlns:ns1="http://www.w3.org/2003/05/soap-
rpc">MSS_SignatureReturn</ns1:result>
      <MSS_SignatureReturn MSSP_TransID="_18540"

```

```

MajorVersion="1" MinorVersion="1">
<ns2:AP_Info AP_ID="bite://bite" AP_PWD="" AP_TransID=" 2"
Instant="2009-11-17T11:48:41.314Z" xmlns:ns2="http://uri.etsi.org/
TS102204/v1.1.2#" />
<ns3:MSSP_Info Instant="2009-11-17T11:49:31.827Z"
xmlns:ns3="http://uri.etsi.org/TS102204/v1.1.2#">
<ns3:MSSP_ID />
</ns3:MSSP_Info>
<ns4:MobileUser xmlns:ns4="http://uri.etsi.org/TS102204/v1.1.2#">
<ns4:MSISDN>+37065059332</ns4:MSISDN>
</ns4:MobileUser>
<ns5:MSS_Signature xmlns:ns5="http://uri.etsi.org/TS102204/v1.1.2#">
<ns5:Base64Signature>[BASE 64 ENCODED DATA]</ns5:Base64Signature>
</ns5:MSS_Signature>
<ns6:SignatureProfile xmlns:ns6="http://uri.etsi.org/TS102204/v1.1.2#">
<ns6:mssURI>http://mss.bite.lt/DigSign1</ns6:mssURI>
</ns6:SignatureProfile>
<ns7>Status xmlns:ns7="http://uri.etsi.org/TS102204/v1.1.2#">
<ns7:StatusCode Value="500" />
</ns7>Status>
</MSS_SignatureReturn>
</MSS_SignatureResponse>
</soapenv:Body>
</soapenv:Envelope>

```

## 4.3 Authentication (Asynchronous)

### 4.3.1 Request

```

<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">
<soapenv:Body>
<MSS_Signature xmlns="">
<MSS_SignatureReq MajorVersion="1" MessagingMode="asynchClientServer"
MinorVersion="1" ValidityDate="2009-11-27T10:07:00.811Z">
<ns1:AP_Info AP_ID="bite://[REMOVED]" AP_PWD="[REMOVED]"
AP_TransID=" 1993492313" Instant="2009-11-27T09:37:00.778Z"
xmlns:ns1="http://uri.etsi.org/TS102204/v1.1.2#" />
<ns2:MSSP_Info xmlns:ns2="http://uri.etsi.org/TS102204/v1.1.2#">
<ns2:MSSP_ID />
</ns2:MSSP_Info>
<ns3:MobileUser xmlns:ns3="http://uri.etsi.org/TS102204/v1.1.2#">
<ns3:MSISDN>+37068500000</ns3:MSISDN>
</ns3:MobileUser>
<ns4>DataToBeSigned Encoding="UTF-8" MimeType="text/plain"
xmlns:ns4="http://uri.etsi.org/TS102204/v1.1.2#">sign
me</ns4>DataToBeSigned>
<ns5>DataToBeDisplayed Encoding="UTF-8"
MimeType="text/plain"
xmlns:ns5="http://uri.etsi.org/TS102204/v1.1.2#">Autentikacija</ns5>DataToBeDisplayed>
<ns6:SignatureProfile xmlns:ns6="http://uri.etsi.org/TS102204/v1.1.2#">
<ns6:mssURI>http://mss.bite.lt/DigSign/4971</ns6:mssURI>
</ns6:SignatureProfile>
<ns7:MSS_Format xmlns:ns7="http://uri.etsi.org/TS102204/v1.1.2#">
<ns7:mssURI>http://uri.etsi.org/TS102204/v1.1.2#PKCS7</ns7:mssURI>
</ns7:MSS_Format>
</MSS_SignatureReq>
</MSS_Signature>
</soapenv:Body>
</soapenv:Envelope>

```

### 4.3.2 Response

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">
  <soapenv:Body>
    <MSS_SignatureResponse xmlns="">
      <ns1:result xmlns:ns1="http://www.w3.org/2003/05/soap-
rpc">MSS_SignatureReturn</ns1:result>
      <MSS_SignatureReturn MSSP_TransID=" _42936"
        MajorVersion="1" MinorVersion="1">
        <ns2:AP_Info AP_ID="bite://bite" AP_PWD="" AP_TransID=" _1993492313"
          Instant="2009-11-27T09:37:00.778Z" xmlns:ns2="http://uri.etsi.org/
TS102204/v1.1.2#" />
        <ns3:MSSP_Info Instant="2009-11-27T09:37:07.727Z"
          xmlns:ns3="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns3:MSSP_ID>
            <ns3:DNSName>mss.bite.lt</ns3:DNSName>
          </ns3:MSSP_ID>
        </ns3:MSSP_Info>
        <ns4:MobileUser xmlns:ns4="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns4:MSISDN>+37068500000</ns4:MSISDN>
        </ns4:MobileUser>
        <ns5:SignatureProfile xmlns:ns5="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns5:mssURI>http://mss.bite.lt/DigSign</ns5:mssURI>
        </ns5:SignatureProfile>
        <ns6:Status xmlns:ns6="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns6:StatusCode Value="504" />
        </ns6:Status>
      </MSS_SignatureReturn>
    </MSS_SignatureResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

### 4.3.3 MSS\_StatusQuery request

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">
  <soapenv:Body>
    <MSS_StatusQuery xmlns="">
      <MSS_StatusReq MSSP_TransID=" _42936" MajorVersion="1"
        MinorVersion="1">
        <ns1:AP_Info AP_ID="bite://[REMOVED]" AP_PWD="[REMOVED]"
          AP_TransID=" _1993492313" Instant="2009-11-27T09:37:40.139Z"
          xmlns:ns1="http://uri.etsi.org/TS102204/v1.1.2#" />
        <ns2:MSSP_Info Instant="2009-11-27T09:37:40.139Z"
          xmlns:ns2="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns2:MSSP_ID>
            <ns2:DNSName></ns2:DNSName>
          </ns2:MSSP_ID>
        </ns2:MSSP_Info>
      </MSS_StatusReq>
    </MSS_StatusQuery>
  </soapenv:Body>
</soapenv:Envelope>
```

Notice MSSP\_TransID and AP\_TransID – they must match with MSS\_SignatureResponse!

### 4.3.4 MSS\_StatusQuery response (first request, user has not yet entered PIN)

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">
  <soapenv:Body>
```



```

    <MSS_StatusQueryResponse xmlns="">
      <ns1:result xmlns:ns1="http://www.w3.org/2003/05/soap-
rpc">MSS_StatusQueryReturn</ns1:result>
      <MSS_StatusQueryReturn MajorVersion="1"
        MinorVersion="1">
        <ns2:AP_Info AP_ID="bite://bite" AP_PWD="" AP_TransID="1993492313"
          Instant="2009-11-27T09:37:40.139Z" xmlns:ns2="http://uri.etsi.org/
TS102204/v1.1.2#" />
        <ns3:MSSP_Info Instant="2009-11-27T09:37:43.074Z"
          xmlns:ns3="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns3:MSSP_ID>
            <ns3:DNSName>mss.bite.lt</ns3:DNSName>
          </ns3:MSSP_ID>
        </ns3:MSSP_Info>
        <ns4:MobileUser xmlns:ns4="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns4:MSISDN>+37065051536</ns4:MSISDN>
        </ns4:MobileUser>
        <ns5:Status xmlns:ns5="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns5:StatusCode Value="504" />
        </ns5:Status>
      </MSS_StatusQueryReturn>
    </MSS_StatusQueryResponse>
  </soapenv:Body>
</soapenv:Envelope>

```

### 4.3.5 MSS\_StatusQuery response (second request, user has entered PIN)

```

<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">
  <soapenv:Body>
    <MSS_StatusQueryResponse xmlns="">
      <ns1:result xmlns:ns1="http://www.w3.org/2003/05/soap-
rpc">MSS_StatusQueryReturn</ns1:result>
      <MSS_StatusQueryReturn MajorVersion="1"
        MinorVersion="1">
        <ns2:AP_Info AP_ID="bite://bite" AP_PWD="" AP_TransID="1993492313"
          Instant="2009-11-27T09:38:14.085Z" xmlns:ns2="http://uri.etsi.org/
TS102204/v1.1.2#" />
        <ns3:MSSP_Info Instant="2009-11-27T09:38:35.538Z"
          xmlns:ns3="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns3:MSSP_ID>
            <ns3:DNSName>mss.bite.lt</ns3:DNSName>
          </ns3:MSSP_ID>
        </ns3:MSSP_Info>
        <ns4:MobileUser xmlns:ns4="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns4:MSISDN>+37065051536</ns4:MSISDN>
        </ns4:MobileUser>
        <ns5:MSS_Signature xmlns:ns5="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns5:Base64Signature>[BASE 64 ENCODED DATA]</ns5:Base64Signature>
        </ns5:MSS_Signature>
        <ns6:Status xmlns:ns6="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns6:StatusCode Value="502" />
        </ns6:Status>
      </MSS_StatusQueryReturn>
    </MSS_StatusQueryResponse>
  </soapenv:Body>
</soapenv:Envelope>

```

## 4.4 Certificate retrieval (MSS\_Registration)

### 4.4.1 Request

```

<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">

```

```

<soapenv:Body>
  <MSS_Registration xmlns="">
    <MSS_RegistrationReq>
      <ns1:AP_Info AP_ID="bite://[REMOVED]" AP_PWD="[REMOVED]"
        AP_TransID="_311215279" Instant="2009-11-30T13:45:43.772Z"
        xmlns:ns1="http://uri.etsi.org/TS102204/v1.1.2#" />
      <ns2:MSSP_Info Instant="2009-11-30T13:45:43.822Z"
        xmlns:ns2="http://uri.etsi.org/TS102204/v1.1.2#">
        <ns2:MSSP_ID>
          <ns2:DNSName></ns2:DNSName>
        </ns2:MSSP_ID>
      </ns2:MSSP_Info>
      <ns3:MobileUser xmlns:ns3="http://uri.etsi.org/TS102204/v1.1.2#">
        <ns3:MSISDN>+37065000000</ns3:MSISDN>
      </ns3:MobileUser>
      <ns4:CertificateURI
        xmlns:ns4="http://uri.etsi.org/TS102204/v1.1.2#">http://mss.bite.lt/NonRep/
      </ns4:CertificateURI>
    </MSS_RegistrationReq>
  </MSS_Registration>
</soapenv:Body>
</soapenv:Envelope>

```

## 4.4.2 Response

```

<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
  instance">
  <soapenv:Body>
    <MSS_RegistrationResponse xmlns="">
      <ns1:result xmlns:ns1="http://www.w3.org/2003/05/soap-
      rpc">MSS_RegistrationReturn</ns1:result>
      <MSS_RegistrationReturn MajorVersion="1"
        MinorVersion="1">
        <ns2:AP_Info AP_ID="bite://[REMOVED]" AP_PWD="[REMOVED]"
          AP_TransID="_311215279" Instant="2009-11-30T13:45:43.772Z"
          xmlns:ns2="http://uri.etsi.org/TS102204/v1.1.2#" />
        <ns3:MSSP_Info Instant="2009-11-30T13:47:00.530Z"
          xmlns:ns3="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns3:MSSP_ID>
            <ns3:DNSName></ns3:DNSName>
          </ns3:MSSP_ID>
        </ns3:MSSP_Info>
        <ns4:Status xmlns:ns4="http://uri.etsi.org/TS102204/v1.1.2#">
          <ns4:StatusCode Value="408" />
        </ns4:Status>
        <ns5:CertificateURI
          xmlns:ns5="http://uri.etsi.org/TS102204/v1.1.2#">http://mss.bite.lt/NonRep/
        </ns5:CertificateURI>
        <ns6:X509Certificate
          xmlns:ns6="http://uri.etsi.org/TS102204/v1.1.2#">[BASE 64 ENCODED DATA]
        </ns6:X509Certificate>
      </MSS_RegistrationReturn>
    </MSS_RegistrationResponse>
  </soapenv:Body>
</soapenv:Envelope>

```