

```
<wsdl:definitions
targetNamespace="http://www.trustedcomputinggroup.org/XML/WSDL/MigrationService_1-00_1-00">
-
<wsdl:types>
-
<s:schema elementFormDefault="qualified"
targetNamespace="http://www.trustedcomputinggroup.org/XML/WSDL/MigrationService_1-00_1-00">
-
<s:element name="MigrationServiceInformation">
<s:complexType/>
</s:element>
-
<s:element name="MigrationServiceInformationResponse">
-
<s:complexType>
-
<s:sequence>
<s:element minOccurs="1" maxOccurs="1" name="MigrationServiceInformationResult"
type="tns:ReturnCode"/>
-
<s:element minOccurs="0" maxOccurs="1" name="serviceInformation">
-
<s:complexType mixed="true">
-
<s:sequence>
<s:any/>
</s:sequence>
</s:complexType>
</s:element>
</s:sequence>
</s:complexType>
</s:element>
-
<s:simpleType name="ReturnCode">
-
<s:list>
-
<s:simpleType>
-
<s:restriction base="s:string">
<s:enumeration value="Succeed"/>
<s:enumeration value="Failed"/>
<s:enumeration value="NotImplemented"/>
<s:enumeration value="ServerNotAvailable"/>
```

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</s:restriction>
</s:simpleType>
</s:list>
</s:simpleType>
-
<s:element name="Upload">
-
<s:complexType>
-
<s:sequence>
-
<s:element minOccurs="0" maxOccurs="1" name="migrationPackage">
-
<s:complexType mixed="true">
-
<s:sequence>
<s:any/>
</s:sequence>
</s:complexType>
</s:element>
<s:element minOccurs="1" maxOccurs="1" name="transitoryFlag" type="s:boolean"/>
<s:element minOccurs="1" maxOccurs="1" name="targetIdentificationTokenType"
type="tns:TargetIdentificationTokenType"/>
<s:element minOccurs="0" maxOccurs="1" name="targetIdentificationToken"
type="s:base64Binary"/>
</s:sequence>
</s:complexType>
</s:element>
-
<s:simpleType name="TargetIdentificationTokenType">
-
<s:list>
-
<s:simpleType>
-
<s:restriction base="s:string">
<s:enumeration value="PublicKey"/>
<s:enumeration value="Certificate"/>
<s:enumeration value="URI"/>
<s:enumeration value="Other"/>
</s:restriction>
</s:simpleType>
</s:list>
</s:simpleType>
-
<s:element name="UploadResponse">

```

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-
<s:complexType>
-
<s:sequence>
<s:element minOccurs="1" maxOccurs="1" name="UploadResult"
type="tns:ReturnCode"/>
<s:element minOccurs="0" maxOccurs="1" name="migrationPackageId"
type="s:string"/>
</s:sequence>
</s:complexType>
</s:element>
-
<s:element name="Download">
-
<s:complexType>
-
<s:sequence>
<s:element minOccurs="0" maxOccurs="1" name="migrationPackageId"
type="s:string"/>
<s:element minOccurs="0" maxOccurs="1" name="parentPubKey"
type="s:base64Binary"/>
<s:element minOccurs="0" maxOccurs="1" name="attestationInfo"
type="tns:AttestationInfo"/>
<s:element minOccurs="0" maxOccurs="1" name="encryptionKey"
type="s:base64Binary"/>
</s:sequence>
</s:complexType>
</s:element>
-
<s:complexType name="AttestationInfo">
-
<s:sequence>
<s:element minOccurs="0" maxOccurs="1" name="certifyInfo"
type="s:base64Binary"/>
<s:element minOccurs="0" maxOccurs="1" name="signatureValue"
type="s:base64Binary"/>
<s:element minOccurs="0" maxOccurs="1" name="aikCredential"
type="s:base64Binary"/>
</s:sequence>
</s:complexType>
-
<s:element name="DownloadResponse">
-
<s:complexType>
-
<s:sequence>

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<s:element minOccurs="1" maxOccurs="1" name="DownloadResult"
type="tns:ReturnCode"/>
-
<s:element minOccurs="0" maxOccurs="1" name="migrationPackage">
-
<s:complexType mixed="true">
-
<s:sequence>
<s:any/>
</s:sequence>
</s:complexType>
</s:element>
<s:element minOccurs="0" maxOccurs="1" name="tssKeyBlob"
type="s:base64Binary"/>
</s:sequence>
</s:complexType>
</s:element>
-
<s:element name="Query">
-
<s:complexType>
-
<s:sequence>
<s:element minOccurs="1" maxOccurs="1" name="recCount" type="s:long"/>
</s:sequence>
</s:complexType>
</s:element>
-
<s:element name="QueryResponse">
-
<s:complexType>
-
<s:sequence>
<s:element minOccurs="1" maxOccurs="1" name="QueryResult"
type="tns:ReturnCode"/>
<s:element minOccurs="0" maxOccurs="1" name="migrationPakcageItemList"
type="tns:ArrayOfMigrationPackageListItem"/>
</s:sequence>
</s:complexType>
</s:element>
-
<s:complexType name="ArrayOfMigrationPackageListItem">
-
<s:sequence>

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<s:element minOccurs="0" maxOccurs="unbounded"
name="MigrationPackageListItem" nillable="true"
type="tns:MigrationPackageListItem"/>
</s:sequence>
</s:complexType>
-
<s:complexType name="MigrationPackageListItem">
-
<s:sequence>
<s:element minOccurs="0" maxOccurs="1" name="packageID" type="s:string"/>
<s:element minOccurs="0" maxOccurs="1" name="description" type="s:string"/>
<s:element minOccurs="1" maxOccurs="1" name="uploadTime" type="s:dateTime"/>
<s:element minOccurs="1" maxOccurs="1" name="dataSize" type="s:long"/>
<s:element minOccurs="0" maxOccurs="1" name="keyUUID" type="s:string"/>
<s:element minOccurs="0" maxOccurs="1" name="ownerName" type="s:string"/>
<s:element minOccurs="0" maxOccurs="1" name="parentUUID" type="s:string"/>
<s:element minOccurs="0" maxOccurs="1" name="certHashList"
type="tns:ArrayOfCertificateHash"/>
</s:sequence>
</s:complexType>
-
<s:complexType name="ArrayOfCertificateHash">
-
<s:sequence>
<s:element minOccurs="0" maxOccurs="unbounded" name="CertificateHash"
nillable="true" type="tns:CertificateHash"/>
</s:sequence>
</s:complexType>
-
<s:complexType name="CertificateHash">
-
<s:sequence>
<s:element minOccurs="0" maxOccurs="1" name="hashValue" type="s:base64Binary"/>
</s:sequence>
</s:complexType>
-
<s:element name="QueryByXPath">
-
<s:complexType>
-
<s:sequence>
<s:element minOccurs="0" maxOccurs="1" name="migrationPackageXPath"
type="s:string"/>
</s:sequence>
</s:complexType>
</s:element>
```

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-
<s:element name="QueryByXPathResponse">
-
  <s:complexType>
-
    <s:sequence>
    <s:element minOccurs="1" maxOccurs="1" name="QueryByXPathResult"
type="tns:ReturnCode"/>
-
    <s:element minOccurs="0" maxOccurs="1" name="queryResult">
-
      <s:complexType mixed="true">
-
        <s:sequence>
        <s:any/>
        </s:sequence>
        </s:complexType>
        </s:element>
        </s:sequence>
        </s:complexType>
        </s:element>
-
      <s:element name="Delete">
-
        <s:complexType>
-
          <s:sequence>
          <s:element minOccurs="0" maxOccurs="1" name="mpUuidList"
type="tns:ArrayOfString"/>
          </s:sequence>
          </s:complexType>
          </s:element>
-
          <s:complexType name="ArrayOfString">
-
            <s:sequence>
            <s:element minOccurs="0" maxOccurs="unbounded" name="string" nillable="true"
type="s:string"/>
            </s:sequence>
            </s:complexType>
-
          <s:element name="DeleteResponse">
-
            <s:complexType>
-
              <s:sequence>

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<s:element minOccurs="1" maxOccurs="1" name="DeleteResult"
type="tns:ReturnCode"/>
</s:sequence>
</s:complexType>
</s:element>
-
<s:element name="GetMAKey">
<s:complexType/>
</s:element>
-
<s:element name="GetMAKeyResponse">
-
<s:complexType>
-
<s:sequence>
<s:element minOccurs="1" maxOccurs="1" name="GetMAKeyResult"
type="tns:ReturnCode"/>
<s:element minOccurs="0" maxOccurs="1" name="maKey"
type="tns:ArrayOfMigrationAuthorityKey"/>
</s:sequence>
</s:complexType>
</s:element>
-
<s:complexType name="ArrayOfMigrationAuthorityKey">
-
<s:sequence>
<s:element minOccurs="0" maxOccurs="unbounded" name="MigrationAuthorityKey"
nillable="true" type="tns:MigrationAuthorityKey"/>
</s:sequence>
</s:complexType>
-
<s:complexType name="MigrationAuthorityKey">
-
<s:sequence>
<s:element minOccurs="0" maxOccurs="1" name="maCertificate"
type="s:base64Binary"/>
<s:element minOccurs="0" maxOccurs="1" name="maAttestationInfo"
type="s:base64Binary"/>
</s:sequence>
</s:complexType>
</s:schema>
</wsdl:types>
-
<wsdl:message name="MigrationServiceInformationSoapIn">
<wsdl:part name="parameters" element="tns:MigrationServiceInformation"/>
</wsdl:message>

```

```
-
<wsdl:message name="MigrationServiceInformationSoapOut">
<wsdl:part name="parameters" element="tns:MigrationServiceInformationResponse"/>
</wsdl:message>
-
<wsdl:message name="UploadSoapIn">
<wsdl:part name="parameters" element="tns:Upload"/>
</wsdl:message>
-
<wsdl:message name="UploadSoapOut">
<wsdl:part name="parameters" element="tns:UploadResponse"/>
</wsdl:message>
-
<wsdl:message name="DownloadSoapIn">
<wsdl:part name="parameters" element="tns:Download"/>
</wsdl:message>
-
<wsdl:message name="DownloadSoapOut">
<wsdl:part name="parameters" element="tns:DownloadResponse"/>
</wsdl:message>
-
<wsdl:message name="QuerySoapIn">
<wsdl:part name="parameters" element="tns:Query"/>
</wsdl:message>
-
<wsdl:message name="QuerySoapOut">
<wsdl:part name="parameters" element="tns:QueryResponse"/>
</wsdl:message>
-
<wsdl:message name="QueryByXPathSoapIn">
<wsdl:part name="parameters" element="tns:QueryByXPath"/>
</wsdl:message>
-
<wsdl:message name="QueryByXPathSoapOut">
<wsdl:part name="parameters" element="tns:QueryByXPathResponse"/>
</wsdl:message>
-
<wsdl:message name="DeleteSoapIn">
<wsdl:part name="parameters" element="tns>Delete"/>
</wsdl:message>
-
<wsdl:message name="DeleteSoapOut">
<wsdl:part name="parameters" element="tns>DeleteResponse"/>
</wsdl:message>
-
<wsdl:message name="GetMAKeySoapIn">
```



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<wsdl:part name="parameters" element="tns:GetMAKey"/>
</wsdl:message>
-
<wsdl:message name="GetMAKeySoapOut">
<wsdl:part name="parameters" element="tns:GetMAKeyResponse"/>
</wsdl:message>
-
<wsdl:portType name="MigrationServiceSoap">
-
<wsdl:operation name="MigrationServiceInformation">
-
<documentation>
Return Migration Authority information XML string. Migration Server can selectively
implement some of the methods defined in this interface. The XML string provides the
MA URL, MA Practice Statement and any other human readable information of the MA's
choosing to describe its service. It will return ReturnCode.NotImplemented if the method
is not implemented.
</documentation>
<wsdl:input message="tns:MigrationServiceInformationSoapIn"/>
<wsdl:output message="tns:MigrationServiceInformationSoapOut"/>
</wsdl:operation>
-
<wsdl:operation name="Upload">
-
<documentation>
Upload the migration package XML to the Migration Authority. migrationPackageId will
contain the package ID if the operation is succeed. If the TransitoryFlag is True, then the
Migration Authority will delete the MP after downloading to the target platform.
</documentation>
<wsdl:input message="tns:UploadSoapIn"/>
<wsdl:output message="tns:UploadSoapOut"/>
</wsdl:operation>
-
<wsdl:operation name="Download">
-
<documentation>
Download the migration pacakge by package ID. The server will verify if the requester
has download privilege for the specified package. tssKeyBlob is for the case when the
MP was signed by a local key. Then the entire old MP must be returned to the target so
that the integrity can be verified, and the MA must additionally pass down the newly
encrypted key.
</documentation>
<wsdl:input message="tns:DownloadSoapIn"/>
<wsdl:output message="tns:DownloadSoapOut"/>
</wsdl:operation>
-

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<wsdl:operation name="Query">
-
<documentation>
The function returns the downloadable migration package list for the requesting user. The
list is in the decending ordered of uploadTime.
</documentation>
<wsdl:input message="tns:QuerySoapIn"/>
<wsdl:output message="tns:QuerySoapOut"/>
</wsdl:operation>
-
<wsdl:operation name="QueryByXPath">
-
<documentation>
Query the downloadable migration packages by specifying the migration packages XPath.
The returning XML root node name is migrationPackageList.
</documentation>
<wsdl:input message="tns:QueryByXPathSoapIn"/>
<wsdl:output message="tns:QueryByXPathSoapOut"/>
</wsdl:operation>
-
<wsdl:operation name="Delete">
-
<documentation>
Delete migration packages by IDs. The server either deletes all the packages successfully
or does nothing. The server will verify if the requester has deletion privilege for all the
specified packages.
</documentation>
<wsdl:input message="tns>DeleteSoapIn"/>
<wsdl:output message="tns>DeleteSoapOut"/>
</wsdl:operation>
-
<wsdl:operation name="GetMAKey">
-
<documentation>
One or more MA certificates (DSIG) containing the MA Public key. Also optional for
each certificate is maAttestationInfo (i.e. if the MA key is a TPM key).
</documentation>
<wsdl:input message="tns:GetMAKeySoapIn"/>
<wsdl:output message="tns:GetMAKeySoapOut"/>
</wsdl:operation>
</wsdl:portType>
-
<wsdl:binding name="MigrationServiceSoap" type="tns:MigrationServiceSoap">
<soap:binding transport="http://schemas.xmlsoap.org/soap/http" style="document"/>
-
<wsdl:operation name="MigrationServiceInformation">

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```
<soap:operation
soapAction="http://www.trustedcomputinggroup.org/XML/WSDL/MigrationService_1-
00_1-00/MigrationServiceInformation" style="document"/>
-
<wsdl:input>
<soap:body use="literal"/>
</wsdl:input>
-
<wsdl:output>
<soap:body use="literal"/>
</wsdl:output>
</wsdl:operation>
-
<wsdl:operation name="Upload">
<soap:operation
soapAction="http://www.trustedcomputinggroup.org/XML/WSDL/MigrationService_1-
00_1-00/Upload" style="document"/>
-
<wsdl:input>
<soap:body use="literal"/>
</wsdl:input>
-
<wsdl:output>
<soap:body use="literal"/>
</wsdl:output>
</wsdl:operation>
-
<wsdl:operation name="Download">
<soap:operation
soapAction="http://www.trustedcomputinggroup.org/XML/WSDL/MigrationService_1-
00_1-00/Download" style="document"/>
-
<wsdl:input>
<soap:body use="literal"/>
</wsdl:input>
-
<wsdl:output>
<soap:body use="literal"/>
</wsdl:output>
</wsdl:operation>
-
<wsdl:operation name="Query">
<soap:operation
soapAction="http://www.trustedcomputinggroup.org/XML/WSDL/MigrationService_1-
00_1-00/Query" style="document"/>
-
```

```
<wsdl:input>
<soap:body use="literal"/>
</wsdl:input>
-
<wsdl:output>
<soap:body use="literal"/>
</wsdl:output>
</wsdl:operation>
-
<wsdl:operation name="QueryByXPath">
<soap:operation
soapAction="http://www.trustedcomputinggroup.org/XML/WSDL/MigrationService_1-
00_1-00/QueryByXPath" style="document"/>
-
<wsdl:input>
<soap:body use="literal"/>
</wsdl:input>
-
<wsdl:output>
<soap:body use="literal"/>
</wsdl:output>
</wsdl:operation>
-
<wsdl:operation name="Delete">
<soap:operation
soapAction="http://www.trustedcomputinggroup.org/XML/WSDL/MigrationService_1-
00_1-00/Delete" style="document"/>
-
<wsdl:input>
<soap:body use="literal"/>
</wsdl:input>
-
<wsdl:output>
<soap:body use="literal"/>
</wsdl:output>
</wsdl:operation>
-
<wsdl:operation name="GetMAKey">
<soap:operation
soapAction="http://www.trustedcomputinggroup.org/XML/WSDL/MigrationService_1-
00_1-00/GetMAKey" style="document"/>
-
<wsdl:input>
<soap:body use="literal"/>
</wsdl:input>
-
```

```
<wsdl:output>
<soap:body use="literal"/>
</wsdl:output>
</wsdl:operation>
</wsdl:binding>
-
<wsdl:service name="MigrationService">
<documentation/>
-
<wsdl:port name="MigrationServiceSoap" binding="tns:MigrationServiceSoap">
<soap:address location="http://MigrationAuthority/MigrationService.asmx"/>
</wsdl:port>
</wsdl:service>
</wsdl:definitions>
```