# Appendix D: MSA Model Message Example

<soapenv:Envelope

xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"

xmlns:msa="http://msa.ebs.health.ontario.ca/"

xmlns:idp="http://idp.ebs.health.ontario.ca/"

xmlns:edt="http://edt.health.ontario.ca/"

xmlns:ebs=http://ebs.health.ontario.ca/>

<soapenv:Header>

<ns2:EBS wsu:Id="id-1" xmlns:ns2="http://ebs.health.ontario.ca/" >

<SoftwareConformanceKey>444561ee-277f-77b2-c664-7a9923jfgh1b</SoftwareConformanceKey>

<AuditId>f68e6ff9-74f7-4022-8618-ec2cf0ee4b6a</AuditId>

</ns2:EBS>

<ns2:MSA wsu:Id="id-2" xmlns:ns2="http://msa.ebs.health.ontario.ca/" >

<ServiceUserMUID>4523394</ServiceUserMUID>

<UserID>johndoe</UserID>

</ns2:MSA>

<wsse:Security SOAP-ENV:mustUnderstand="1">

<wsu:Timestamp wsu:Id="id-3">

<wsu:Created>2012-06-26T16:18:15.185Z</wsu:Created>

<wsu:Expires>2012-06-26T16:18:45.185Z</wsu:Expires>

</wsu:Timestamp>

<wsse:UsernameToken wsu:Id="id-4">

<wsse:Username>72214255</wsse:Username>

</wsse:UsernameToken>

<wsse:BinarySecurityToken

EncodingType="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-soap-message-security-1.0#Base64Binary"

ValueType="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-x509-token-profile-1.0#X509v3"

wsu:Id="X509-0EE1C2718CEDCA9FC213407274954261">



</wsse:BinarySecurityToken>

<ds:Signature Id="SIG-6" xmlns:ds="http://www.w3.org/2000/09/xmldsig#" >

<ds:SignedInfo>

<ds:CanonicalizationMethod Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#">

<ec:InclusiveNamespaces PrefixList="SOAP-ENV ebs soap-sec soapenv sp tns wsdl wsp wsse wsu xs xsi"

xmlns:ec="http://www.w3.org/2001/10/xml-exc-c14n#" />

</ds:CanonicalizationMethod>

<ds:SignatureMethod Algorithm="http://www.w3.org/2000/09/xmldsig#rsa-sha1" />

<ds:Reference URI="#id-1">

<ds:Transforms>

<ds:Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#">

<ec:InclusiveNamespaces

PrefixList="SOAP-ENV ebs soap-sec soapenv sp tns wsdl wsp wsse wsu xs xsi"

xmlns:ec="http://www.w3.org/2001/10/xml-exc-c14n#" />

</ds:Transform>

</ds:Transforms>

<ds:DigestMethod Algorithm="http://www.w3.org/2001/04/xmlenc#sha256" />

<ds:DigestValue>FkhA37COGmsKeEH50LAGhKntvRpD0+xOGsGzXAV210k=</ds:DigestValue>

</ds:Reference>

<ds:Reference URI="#id-2">

<ds:Transforms>

<ds:Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#">

<ec:InclusiveNamespaces

PrefixList="SOAP-ENV ebs soap-sec soapenv sp tns wsdl wsp wsse wsu xs xsi"

xmlns:ec="http://www.w3.org/2001/10/xml-exc-c14n#" />

</ds:Transform>

</ds:Transforms>

<ds:DigestMethod Algorithm="http://www.w3.org/2001/04/xmlenc#sha256" />

<ds:DigestValue>RA1O1voUNDV9+hi6IzNNxkTHfEdu2pu6fppiwN23JGI=</ds:DigestValue>

</ds:Reference>

<ds:Reference URI="#id-3">

<ds:Transforms>

<ds:Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#">

<ec:InclusiveNamespaces PrefixList="SOAP-ENV ebs soap-sec soapenv sp tns wsdl wsp wsse xs xsi"

xmlns:ec="http://www.w3.org/2001/10/xml-exc-c14n#" />

</ds:Transform>

</ds:Transforms>

<ds:DigestMethod Algorithm="http://www.w3.org/2001/04/xmlenc#sha256" />

<ds:DigestValue>3vVj2VEbLKEvGy4yt7k8i2BeWUOaCygnFMduT7EyP3A=</ds:DigestValue>

</ds:Reference>

<ds:Reference URI="#id-4">

<ds:Transforms>

<ds:Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#">

<ec:InclusiveNamespaces PrefixList="SOAP-ENV ebs soap-sec soapenv sp tns wsdl wsp wsu xs xsi"

xmlns:ec="http://www.w3.org/2001/10/xml-exc-c14n#" />

</ds:Transform>

</ds:Transforms>

<ds:DigestMethod Algorithm="http://www.w3.org/2001/04/xmlenc#sha256" />

<ds:DigestValue>yFOmFgMDHMBooWIEsB3azib2EX7fR+Ich03J19kFMVE=</ds:DigestValue>

</ds:Reference>

<ds:Reference URI="#id-5">

<ds:Transforms>

<ds:Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#">

<ec:InclusiveNamespaces PrefixList="SOAP-ENV ebs soap-sec sp tns wsdl wsp wsse wsu xs xsi"

xmlns:ec="http://www.w3.org/2001/10/xml-exc-c14n#" />

</ds:Transform>

</ds:Transforms>

<ds:DigestMethod Algorithm="http://www.w3.org/2001/04/xmlenc#sha256" />

<ds:DigestValue>zoxMcAQ2WLBIir333NJk52r4axwznflX+KxMQTPFvfQ=</ds:DigestValue>

</ds:Reference>

</ds:SignedInfo>

<ds:SignatureValue>

HmOiZS4gZbxv07+sLjyi7Vfg3Rfpvr3IVnaHfRp4aKvg5yBFlLocPIYwhUhmCCs1LXrJxR0hsbe0K2sz3ML5hH+PDEGetlPKSN9R1x9K95w7V1JQcTUULiVgNGLCfxgFV2HNy1iNvlTc7COS+7w4xSgsY4KlVgrBw0T1srhHpUA=

</ds:SignatureValue>

<ds:KeyInfo Id="KI-0EE1C2718CEDCA9FC213407274954662">

<wsse:SecurityTokenReference wsu:Id="STR-0EE1C2718CEDCA9FC213407274954663">

<wsse:Reference URI="#X509-0EE1C2718CEDCA9FC213407274954261"

ValueType="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-x509-token-profile-1.0#X509v3" />

</wsse:SecurityTokenReference>

</ds:KeyInfo>

</ds:Signature>

</wsse:Security>

</soapenv:Header>

<soapenv:Body wsu:Id="id-5"

xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">

<edt:upload>

<upload>

<content>

<inc:Include href=cid:2341682853256 xmlns:inc="http://www.w3.org/2004/08/xop/include" />

</content>

<description>00123</description>

<resourceType>CL</resourceType>

</upload>

</edt:upload>

</soapenv:Body>

</soapenv:Envelope>