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1 <wsdl:definitions xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
2   xmlns:wsp="http://schemas.xmlsoap.org/ws/2004/09/policy"
3   xmlns:wsu="
4     "http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"
5   xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"
6   xmlns:mime="http://schemas.xmlsoap.org/wsdl/mime/"
7   xmlns:http="http://schemas.xmlsoap.org/wsdl/http/"
8   xmlns:obp="https://obp.neso.energy/ConsumeInstruction"
9   xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
10  xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
11  targetNamespace="https://obp.neso.energy/ConsumeInstruction">
12    <wsp:Policy wsu:Id="UTOverTransport">
13      <wsp:ExactlyOne>
14        <wsp:All>
15          <sp:SignedSupportingTokens xmlns:sp=
16            "http://schemas.xmlsoap.org/ws/2005/07/securitypolicy">
17            <wsp:Policy>
18              <sp:UsernameToken
19                sp:IncludeToken=
20                  "http://schemas.xmlsoap.org/ws/2005/07/securitypolicy/IncludeToken/Alway
21                    sToRecipient"/>
22            </wsp:Policy>
23          </sp:SignedSupportingTokens>
24        </wsp:All>
25      </wsp:ExactlyOne>
26    </wsp:Policy>
27    <wsdl:types>
28      <schema xmlns="http://www.w3.org/2001/XMLSchema"
29        attributeFormDefault="unqualified" elementFormDefault="qualified"
30        targetNamespace="https://obp.neso.energy/ConsumeInstruction">
31        <simpleType name="ServiceType">
32          <restriction base="string">
33            <minLength value="1"/>
34            <maxLength value="25"/>
35          </restriction>
36        </simpleType>
37        <simpleType name="InstructionType">
38          <restriction base="string">
39            <enumeration value="START"/>
40            <enumeration value="STOP"/>
41          </restriction>
42        </simpleType>
43        <simpleType name="UnitIDType">
44          <restriction base="string">
45            <minLength value="1"/>
46            <maxLength value="20"/>
47            <pattern value="^[^s]+$"/>
48          </restriction>
49        </simpleType>
50        <simpleType name="DUIType">
51          <restriction base="string">
52            <minLength value="1"/>
53            <maxLength value="20"/>
54            <pattern value="^[^s]+$"/>
55          </restriction>
56        </simpleType>
57        <simpleType name="Volumetype">
58          <restriction base="decimal">
59            <minInclusive value="-99999.999999"/>
60            <maxInclusive value="99999.999999"/>
61            <fractionDigits value="6"/>
62          </restriction>
63        </simpleType>
64        <simpleType name="TargetType">
65          <restriction base="decimal">
66            <minInclusive value="-99999.9999"/>
67            <maxInclusive value="99999.9999"/>
68            <fractionDigits value="4"/>
69          </restriction>
70        </simpleType>
71        <simpleType name="DroopBandtype">
72          <restriction base="decimal">
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69         <minInclusive value="-999.99"/>
70         <maxInclusive value="999.99"/>
71         <fractionDigits value="2"/>
72     </restriction>
73 </simpleType>
74 <simpleType name="DetailsType">
75     <restriction base="string">
76         <minLength value="0"/>
77         <maxLength value="2000"/>
78     </restriction>
79 </simpleType>
80 <simpleType name="ResponseMessage">
81     <restriction base="string">
82         <enumeration value="SUCCESS"/>
83         <enumeration value="FAILURE"/>
84     </restriction>
85 </simpleType>
86 <element name="InstructionMessage">
87     <complexType>
88         <sequence>
89             <element name="ServiceType" type="obp:ServiceType"/>
90             <element name="UnitID" type="obp:UnitIDType"/>
91             <element name="DUI" type="obp:DUIType"/>
92             <element minOccurs="0" name="VolumeRequested" type="obp:Volumetype"/>
93             <element minOccurs="0" name="VTarget" type="obp:TargetType"/>
94             <element minOccurs="0" name="DroopPercentage" type="obp:DroopBandtype"/>
95             <element minOccurs="0" name="DeadBandPercentage" type="obp:DroopBandtype"/>
96             <element minOccurs="0" name="ScheduledDateTime" type="dateTime"/>
97             <element name="Instruction" type="obp:InstructionType"/>
98             <element name="DateTimeStamp" type="dateTime"/>
99         </sequence>
100     </complexType>
101 </element>
102 <element name="InstructionResponse" type="obp:ResponseType"/>
103 <complexType name="ResponseType">
104     <sequence>
105         <element minOccurs="0" name="ServiceType" type="string"/>
106         <element minOccurs="0" name="UnitID" type="string"/>
107         <element minOccurs="0" name="Response" type="obp:ResponseMessage"/>
108         <element minOccurs="0" name="Details" type="obp:DetailsType"/>
109     </sequence>
110 </complexType>
111 </schema>
112 </wsdl:types>
113 <wsdl:message name="ConsumeInstructionOPRequest">
114     <wsdl:part name="InstructionRequest" element="obp:InstructionMessage"/>
115 </wsdl:message>
116 <wsdl:message name="ConsumeInstructionOPResponse">
117     <wsdl:part name="InstructionResponse" element="obp:InstructionResponse"/>
118 </wsdl:message>
119 <wsdl:portType name="V4_ConsumeInstructionServicePSPortType" wsp:PolicyURIs=
"#UTOverTransport">
120     <wsdl:operation name="ConsumeInstructionOP">
121         <wsdl:input message="obp:ConsumeInstructionOPRequest" wsaw:Action=
"ConsumeInstructionOP"/>
122         <wsdl:output message="obp:ConsumeInstructionOPResponse"
wsaw:Action=
"https://obp.neso.energy/ConsumeInstruction/ConsumeInstructionPT/ConsumeInstruc
tionOPResponse"/>
123     </wsdl:operation>
124 </wsdl:portType>
125 <wsdl:binding name="V4_ConsumeInstructionServicePSSoap11Binding"
type="obp:V4_ConsumeInstructionServicePSPortType">
126     <soap:binding transport="http://schemas.xmlsoap.org/soap/http" style="document"/>
127     <wsdl:operation name="ConsumeInstructionOP">
128         <soap:operation soapAction="ConsumeInstructionOP" style="document"/>
129         <wsdl:input>
130             <soap:body use="literal"/>
131         </wsdl:input>
132         <wsdl:output>
133             <soap:body use="literal"/>
134         </wsdl:output>
135     </wsdl:operation>

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136     </wsdl:output>
137 </wsdl:operation>
138 </wsdl:binding>
139 <wsdl:binding name="V4_ConsumeInstructionServicePSSoap12Binding"
140     type="obp:V4_ConsumeInstructionServicePSPortType">
141     <soap12:binding transport="http://schemas.xmlsoap.org/soap/http" style="document"
142     />
143     <wsdl:operation name="ConsumeInstructionOP">
144         <soap12:operation soapAction="ConsumeInstructionOP" style="document"/>
145         <wsdl:input>
146             <soap12:body use="literal"/>
147         </wsdl:input>
148         <wsdl:output>
149             <soap12:body use="literal"/>
150         </wsdl:output>
151     </wsdl:operation>
152 </wsdl:binding>
153 <wsdl:binding name="V4_ConsumeInstructionServicePSHttpBinding"
154     type="obp:V4_ConsumeInstructionServicePSPortType">
155     <http:binding verb="POST"/>
156     <wsdl:operation name="ConsumeInstructionOP">
157         <http:operation location="ConsumeInstructionOP"/>
158         <wsdl:input>
159             <mime:content type="text/xml" part="parameters"/>
160         </wsdl:input>
161         <wsdl:output>
162             <mime:content type="text/xml" part="parameters"/>
163         </wsdl:output>
164     </wsdl:operation>
165 </wsdl:binding>
166 <wsdl:service name="V4_ConsumeInstructionServicePS">
167     <wsdl:port name="V4_ConsumeInstructionServicePSHttpSoap11Endpoint"
168         binding="obp:V4_ConsumeInstructionServicePSSoap11Binding">
169         <soap:address
170             location=
171             "https://some.service.provider.com/services/V4_ConsumeInstructionServicePS.V4_
172             ConsumeInstructionServicePSHttpSoap11Endpoint"/>
173     </wsdl:port>
174     <wsdl:port name="V4_ConsumeInstructionServicePSHttpsSoap11Endpoint"
175         binding="obp:V4_ConsumeInstructionServicePSSoap11Binding">
176         <soap:address
177             location=
178             "https://some.service.provider.com/services/V4_ConsumeInstructionServicePS.V4_
179             ConsumeInstructionServicePSHttpsSoap11Endpoint"/>
180     </wsdl:port>
181     <wsdl:port name="V4_ConsumeInstructionServicePSHttpSoap12Endpoint"
182         binding="obp:V4_ConsumeInstructionServicePSSoap12Binding">
183         <soap12:address
184             location=
185             "https://some.service.provider.com/services/V4_ConsumeInstructionServicePS.V4_
186             ConsumeInstructionServicePSHttpSoap12Endpoint"/>
187     </wsdl:port>
188     <wsdl:port name="V4_ConsumeInstructionServicePSHttpsSoap12Endpoint"
189         binding="obp:V4_ConsumeInstructionServicePSSoap12Binding">
190         <soap12:address
191             location=
192             "https://some.service.provider.com/services/V4_ConsumeInstructionServicePS.V4_
193             ConsumeInstructionServicePSHttpsSoap12Endpoint"/>
194     </wsdl:port>
195     <wsdl:port name="V4_ConsumeInstructionServicePSHttpEndpoint"
196         binding="obp:V4_ConsumeInstructionServicePSHttpBinding">
197         <http:address
198             location=
199             "https://some.service.provider.com/services/V4_ConsumeInstructionServicePS.V4_
200             ConsumeInstructionServicePSHttpEndpoint"/>
201     </wsdl:port>

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195         </wsdl:port>
196     </wsdl:service>
197 </wsdl:definitions>
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