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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/ConsumeHeartBeat"
9   xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
10  xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
11  targetNamespace="https://obp.neso.energy/ConsumeHeartBeat">
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      <xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema"
29        xmlns="https://obp.neso.energy/ConsumeHeartBeat"
30        attributeFormDefault="unqualified" elementFormDefault="qualified"
31        targetNamespace="https://obp.neso.energy/ConsumeHeartBeat">
32        <xsd:simpleType name="ServiceType">
33          <xsd:restriction base="xsd:string">
34            <xsd:minLength value="1"/>
35            <xsd:maxLength value="25"/>
36          </xsd:restriction>
37        </xsd:simpleType>
38        <xsd:simpleType name="LeadLagType">
39          <xsd:restriction base="xsd:string">
40            <xsd:enumeration value="LEAD"/>
41            <xsd:enumeration value="LAG"/>
42          </xsd:restriction>
43        </xsd:simpleType>
44        <xsd:simpleType name="PQStateType">
45          <xsd:restriction base="xsd:string">
46            <xsd:enumeration value="ON"/>
47            <xsd:enumeration value="OFF"/>
48          </xsd:restriction>
49        </xsd:simpleType>
50        <xsd:simpleType name="UnitIDType">
51          <xsd:restriction base="xsd:string">
52            <xsd:minLength value="1"/>
53            <xsd:maxLength value="20"/>
54            <xsd:pattern value="^[^\s]+"/>
55          </xsd:restriction>
56        </xsd:simpleType>
57        <xsd:simpleType name="MeterReadingType">
58          <xsd:restriction base="xsd:decimal">
59            <xsd:minInclusive value="-9999999999.9999"/>
60            <xsd:maxInclusive value="9999999999.9999"/>
61            <xsd:fractionDigits value="4"/>
62          </xsd:restriction>
63        </xsd:simpleType>
64        <xsd:simpleType name="StateType">
65          <xsd:restriction base="xsd:decimal">
66            <xsd:minInclusive value="-999.99"/>
67            <xsd:maxInclusive value="999.99"/>
68            <xsd:fractionDigits value="2"/>
69          </xsd:restriction>
70        </xsd:simpleType>
71        <xsd:simpleType name="VoltageType">
72          <xsd:restriction base="xsd:decimal">
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69         <xsd:minInclusive value="-99999.9999"/>
70         <xsd:maxInclusive value="99999.9999"/>
71         <xsd:fractionDigits value="4"/>
72     </xsd:restriction>
73 </xsd:simpleType>
74 <xsd:simpleType name="QUtilisationType">
75     <xsd:restriction base="xsd:decimal">
76         <xsd:minInclusive value="-99999.99"/>
77         <xsd:maxInclusive value="99999.99"/>
78         <xsd:fractionDigits value="2"/>
79     </xsd:restriction>
80 </xsd:simpleType>
81 <xsd:simpleType name="QType">
82     <xsd:restriction base="xsd:decimal">
83         <xsd:minInclusive value="-99999.999999"/>
84         <xsd:maxInclusive value="99999.999999"/>
85         <xsd:fractionDigits value="6"/>
86     </xsd:restriction>
87 </xsd:simpleType>
88 <xsd:simpleType name="FrequencyType">
89     <xsd:restriction base="xsd:decimal">
90         <xsd:minInclusive value="-99.9999"/>
91         <xsd:maxInclusive value="99.9999"/>
92         <xsd:fractionDigits value="4"/>
93     </xsd:restriction>
94 </xsd:simpleType>
95 <xsd:simpleType name="DetailsType">
96     <xsd:restriction base="xsd:string">
97         <xsd:minLength value="0"/>
98         <xsd:maxLength value="2000"/>
99     </xsd:restriction>
100 </xsd:simpleType>
101 <xsd:simpleType name="ResponseMessage">
102     <xsd:restriction base="xsd:string">
103         <xsd:enumeration value="SUCCESS"/>
104         <xsd:enumeration value="FAILURE"/>
105     </xsd:restriction>
106 </xsd:simpleType>
107 <xsd:element name="ConsumeRealTimeRequest" type="ConsumeRealTimeRequestType"/>
108 <xsd:complexType name="ConsumeRealTimeRequestType">
109     <xsd:sequence>
110         <xsd:element name="ConsumeRealtimeDetails" type="ConsumeRealtimeDetails"/>
111     </xsd:sequence>
112 </xsd:complexType>
113 <xsd:complexType name="ConsumeRealtimeDetails">
114     <xsd:sequence>
115         <xsd:element minOccurs="0" name="ServiceType" type="ServiceType"/>
116         <xsd:element name="UnitID" type="UnitIDType"/>
117         <xsd:element name="DateTimeStamp" type="xsd:dateTime"/>
118         <xsd:element minOccurs="0" name="DateTimeOfMeterReading" type="
119             "xsd:dateTime"/>
120         <xsd:element minOccurs="0" name="MeterReading" type="MeterReadingType"/>
121         <xsd:element minOccurs="0" name="PowerAvailable" type="MeterReadingType"/>
122         <xsd:element minOccurs="0" name="AbsoluteMeterReading" type="
123             "MeterReadingType"/>
124         <xsd:element minOccurs="0" name="AvailableHeadroom" type="MeterReadingType"
125             />
126         <xsd:element minOccurs="0" name="AvailableFootroom" type="MeterReadingType"
127             />
128         <xsd:element minOccurs="0" name="StateOfCharge" type="StateType"/>
129         <xsd:element minOccurs="0" name="Frequency" type="FrequencyType"/>
130         <xsd:element minOccurs="0" name="LeadLagIndicator" type="LeadLagType"/>
131         <xsd:element minOccurs="0" name="QCurrent" type="QType"/>
132         <xsd:element minOccurs="0" name="QMaxCurrent" type="QType"/>
133         <xsd:element minOccurs="0" name="QCurrentRideThrough" type="QType"/>
134         <xsd:element minOccurs="0" name="QUtilisationCost" type="QUtilisationType"/>
135         <xsd:element minOccurs="0" name="PUP" type="QType"/>
136         <xsd:element minOccurs="0" name="PDown" type="QType"/>
137         <xsd:element minOccurs="0" name="PCurrent" type="QType"/>
138         <xsd:element minOccurs="0" name="PDelta" type="QType"/>
139         <xsd:element minOccurs="0" name="Voltage" type="VoltageType"/>
140         <xsd:element minOccurs="0" name="PState" type="PQStateType"/>

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137         <xsd:element minOccurs="0" name="QState" type="PQStateType"/>
138     </xsd:sequence>
139 </xsd:complexType>
140 <xsd:element name="ConsumeRealTimeResponse" type="Responsetype"/>
141 <xsd:complexType name="Responsetype">
142     <xsd:sequence>
143         <xsd:element minOccurs="0" name="ServiceType" type="xsd:string"/>
144         <xsd:element minOccurs="0" name="UnitID" type="xsd:string"/>
145         <xsd:element minOccurs="0" name="Response" type="ResponseMessage"/>
146         <xsd:element minOccurs="0" name="Details" type="DetailsType"/>
147     </xsd:sequence>
148 </xsd:complexType>
149 </xsd:schema>
150 </wsdl:types>
151
152 <wsdl:message name="requestMessage">
153     <wsdl:part name="ConsumeRealTimeRequest" element="obp:ConsumeRealTimeRequest"/>
154 </wsdl:message>
155 <wsdl:message name="replyMessage">
156     <wsdl:part name="Response" element="obp:ConsumeRealTimeResponse"/>
157 </wsdl:message>
158 <wsdl:portType name="V4_Consume_RTMSERVICEPortType" wsp:PolicyURIs=
"#UTOverTransport">
159     <wsdl:operation name="Consume_RTM">
160         <wsdl:input message="obp:requestMessage" wsaw:Action="Consume_RTM"/>
161         <wsdl:output message="obp:replyMessage"
162             wsaw:Action=
163             "https://obp.neso.energy/ConsumeHeartBeat/RTM/Consume_RTMResponse"/>
164     </wsdl:operation>
165 </wsdl:portType>
166 <wsdl:binding name="V4_Consume_RTMSERVICESoap11Binding"
167     type="obp:V4_Consume_RTMSERVICEPortType">
168     <soap:binding transport="http://schemas.xmlsoap.org/soap/http" style="document"/>
169     <wsdl:operation name="Consume_RTM">
170         <soap:operation soapAction="Consume_RTM" style="document"/>
171         <wsdl:input>
172             <soap:body use="literal"/>
173         </wsdl:input>
174         <wsdl:output>
175             <soap:body use="literal"/>
176         </wsdl:output>
177     </wsdl:operation>
178 </wsdl:binding>
179 <wsdl:binding name="V4_Consume_RTMSERVICESoap12Binding"
180     type="obp:V4_Consume_RTMSERVICEPortType">
181     <soap12:binding transport="http://schemas.xmlsoap.org/soap/http" style="document"
182     />
183     <wsdl:operation name="Consume_RTM">
184         <soap12:operation soapAction="Consume_RTM" style="document"/>
185         <wsdl:input>
186             <soap12:body use="literal"/>
187         </wsdl:input>
188         <wsdl:output>
189             <soap12:body use="literal"/>
190         </wsdl:output>
191     </wsdl:operation>
192 </wsdl:binding>
193 <wsdl:binding name="V4_Consume_RTMSERVICEHttpBinding"
194     type="obp:V4_Consume_RTMSERVICEPortType">
195     <http:binding verb="POST"/>
196     <wsdl:operation name="Consume_RTM">
197         <http:operation location="Consume_RTM"/>
198         <wsdl:input>
199             <mime:content type="text/xml" part="parameters"/>
200         </wsdl:input>
201         <wsdl:output>
202             <mime:content type="text/xml" part="parameters"/>
203         </wsdl:output>
204     </wsdl:operation>
205 </wsdl:binding>
206 <wsdl:service name="V4_Consume_RTMSERVICE">
207     <wsdl:port name="V4_Consume_RTMSERVICEHttpSoap11Endpoint"

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206         binding="obp:V4_Consume_RTMSERVICESoap11Binding">
207         <soap:address
208             location=
209                 "https://some.service.com/services/V4_Consume_RTMSERVICE.V4_Consume_RTMSERVICE
210                 HttpSoap11Endpoint"/>
211         </wsdl:port>
212         <wsdl:port name="V4_Consume_RTMSERVICEHttpsSoap11Endpoint"
213             binding="obp:V4_Consume_RTMSERVICESoap11Binding">
214             <soap:address
215                 location=
216                     "https://some.service.com/services/V4_Consume_RTMSERVICE.V4_Consume_RTMSERVICE
217                     HttpsSoap11Endpoint"/>
218             </wsdl:port>
219             <wsdl:port name="V4_Consume_RTMSERVICEHttpsSoap12Endpoint"
220                 binding="obp:V4_Consume_RTMSERVICESoap12Binding">
221                 <soap12:address
222                     location=
223                         "https://some.service.com/services/V4_Consume_RTMSERVICE.V4_Consume_RTMSERVICE
224                         HttpsSoap12Endpoint"/>
225                 </wsdl:port>
226                 <wsdl:port name="V4_Consume_RTMSERVICEHttpSoap12Endpoint"
227                     binding="obp:V4_Consume_RTMSERVICESoap12Binding">
228                     <soap12:address
229                         location=
230                             "https://some.service.com/services/V4_Consume_RTMSERVICE.V4_Consume_RTMSERVICE
231                             HttpsSoap12Endpoint"/>
232                     </wsdl:port>
233                     <wsdl:port name="V4_Consume_RTMSERVICEHttpEndpoint"
234                         binding="obp:V4_Consume_RTMSERVICEHttpBinding">
235                         <http:address
236                             location=
237                                 "https://some.service.com/services/V4_Consume_RTMSERVICE.V4_Consume_RTMSERVICE
238                                 HttpEndpoint"/>
239                         </wsdl:port>
240                     </wsdl:service>
241                 </wsdl:definitions>
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