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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/ConsumePhysicalNotification"
9   xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
10  xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
11  targetNamespace="https://obp.neso.energy/ConsumePhysicalNotification">
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/AlwaysToRecipient"/>
21            </wsp:Policy>
22          </sp:SignedSupportingTokens>
23        </wsp:All>
24      </wsp:ExactlyOne>
25    </wsp:Policy>
26    <wsdl:types>
27      <xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema"
28        xmlns="https://obp.neso.energy/ConsumePhysicalNotification"
29        attributeFormDefault="unqualified" elementFormDefault="qualified"
30        targetNamespace="https://obp.neso.energy/ConsumePhysicalNotification">
31        <xsd:simpleType name="UnitIDType">
32          <xsd:restriction base="xsd:string">
33            <xsd:minLength value="1"/>
34            <xsd:maxLength value="20"/>
35            <xsd:pattern value="^[^\s]+"/>
36          </xsd:restriction>
37        </xsd:simpleType>
38        <xsd:simpleType name="PUIType">
39          <xsd:restriction base="xsd:string">
40            <xsd:minLength value="0"/>
41            <xsd:maxLength value="20"/>
42            <xsd:pattern value="^[^\s]+"/>
43          </xsd:restriction>
44        </xsd:simpleType>
45        <xsd:simpleType name="PhysicalNotificationType">
46          <xsd:restriction base="xsd:integer">
47            <xsd:minInclusive value="-9999"/>
48            <xsd:maxInclusive value="9999"/>
49          </xsd:restriction>
50        </xsd:simpleType>
51        <xsd:simpleType name="DetailsType">
52          <xsd:restriction base="xsd:string">
53            <xsd:minLength value="0"/>
54            <xsd:maxLength value="2000"/>
55          </xsd:restriction>
56        </xsd:simpleType>
57        <xsd:simpleType name="ResponseMessage">
58          <xsd:restriction base="xsd:string">
59            <xsd:enumeration value="SUCCESS"/>
60            <xsd:enumeration value="FAILURE"/>
61          </xsd:restriction>
62        </xsd:simpleType>
63        <xsd:complexType name="PNDetailsType">
64          <xsd:sequence>
65            <xsd:element name="StartDateTime" type="xsd:dateTime"/>
66            <xsd:element name="EndDateTime" type="xsd:dateTime"/>
67            <xsd:element name="PN_Start_MW" type="xsd:decimal"/>
68            <xsd:element name="PN_End_MW" type="xsd:decimal"/>
69          </xsd:sequence>
70        </xsd:complexType>
71        <xsd:complexType name="PhysicalNotificationRequest">

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69     <xsd:sequence>
70         <xsd:element name="UnitID" type="UnitIDType"/>
71         <xsd:element name="PUI" type="PUIType"/>
72         <xsd:element maxOccurs="unbounded" name="PNDetails" type="PNDetailsType"/>
73         <xsd:element name="DateTimeStamp" type="xsd:dateTime"/>
74     </xsd:sequence>
75 </xsd:complexType>
76 <xsd:element name="PhysicalNotificationDetails" type=
77     "PhysicalNotificationRequest"/>
78 <xsd:element name="PhysicalNotificationResponse" type="Responsetype"/>
79 <xsd:complexType name="Responsetype">
80     <xsd:sequence>
81         <xsd:element minOccurs="0" name="PUI" type="xsd:string"/>
82         <xsd:element minOccurs="0" name="UnitID" type="xsd:string"/>
83         <xsd:element minOccurs="0" name="Response" type="ResponseMessage"/>
84         <xsd:element minOccurs="0" name="Details" type="DetailsType"/>
85     </xsd:sequence>
86 </xsd:complexType>
87 </xsd:schema>
88 </wsdl:types>
89 <wsdl:message name="requestMessage">
90     <wsdl:part name="PhysicalNotificationRequest" element=
91         "obp:PhysicalNotificationDetails"/>
92 </wsdl:message>
93 <wsdl:message name="replyMessage">
94     <wsdl:part name="Response" element="obp:PhysicalNotificationResponse"/>
95 </wsdl:message>
96 <wsdl:portType name="V4_ConsumePhysicalNotificationServicePortType" wsp:PolicyURIs=
97     "#UTOverTransport">
98     <wsdl:operation name="ConsumePhysicalNotification">
99         <wsdl:input message="obp:requestMessage" wsaw:Action=
100             "ConsumePhysicalNotification"/>
101         <wsdl:output message="obp:replyMessage"
102             wsaw:Action=
103             "https://obp.neso.energy/ConsumePhysicalNotification/getPhysicalNotification/C
104             onsumePhysicalNotificationResponse"/>
105     </wsdl:operation>
106 </wsdl:portType>
107 <wsdl:binding name="V4_ConsumePhysicalNotificationServiceSoap11Binding"
108     type="obp:V4_ConsumePhysicalNotificationServicePortType">
109     <soap:binding transport="http://schemas.xmlsoap.org/soap/http" style="document"/>
110     <wsdl:operation name="ConsumePhysicalNotification">
111         <soap:operation soapAction="ConsumePhysicalNotification" style="document"/>
112         <wsdl:input>
113             <soap:body use="literal"/>
114         </wsdl:input>
115         <wsdl:output>
116             <soap:body use="literal"/>
117         </wsdl:output>
118     </wsdl:operation>
119 </wsdl:binding>
120 <wsdl:binding name="V4_ConsumePhysicalNotificationServiceSoap12Binding"
121     type="obp:V4_ConsumePhysicalNotificationServicePortType">
122     <soap12:binding transport="http://schemas.xmlsoap.org/soap/http" style="document"
123     />
124     <wsdl:operation name="ConsumePhysicalNotification">
125         <soap12:operation soapAction="ConsumePhysicalNotification" style="document"/>
126         <wsdl:input>
127             <soap12:body use="literal"/>
128         </wsdl:input>
129         <wsdl:output>
130             <soap12:body use="literal"/>
131         </wsdl:output>
132     </wsdl:operation>
133 </wsdl:binding>
134 <wsdl:binding name="V4_ConsumePhysicalNotificationServiceHttpBinding"
135     type="obp:V4_ConsumePhysicalNotificationServicePortType">
136     <http:binding verb="POST"/>
137     <wsdl:operation name="ConsumePhysicalNotification">
138         <http:operation location="ConsumePhysicalNotification"/>
139         <wsdl:input>
140             <mime:content type="text/xml" part="parameters"/>

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134     </wsdl:input>
135     <wsdl:output>
136         <mime:content type="text/xml" part="parameters"/>
137     </wsdl:output>
138 </wsdl:operation>
139 </wsdl:binding>
140 <wsdl:service name="V4_ConsumePhysicalNotificationService">
141     <wsdl:port name="V4_ConsumePhysicalNotificationServiceHttpsSoap11Endpoint"
142         binding="obp:V4_ConsumePhysicalNotificationServiceSoap11Binding">
143         <soap:address
144             location=
145                 "https://some.service.com/services/V4_ConsumePhysicalNotificationService.V4_ConsumePhysicalNotificationServiceHttpsSoap11Endpoint"/>
146 </wsdl:port>
147 <wsdl:port name="V4_ConsumePhysicalNotificationServiceHttpSoap11Endpoint"
148     binding="obp:V4_ConsumePhysicalNotificationServiceSoap11Binding">
149     <soap:address
150         location=
151             "https://some.service.com/services/V4_ConsumePhysicalNotificationService.V4_ConsumePhysicalNotificationServiceHttpSoap11Endpoint"/>
152 </wsdl:port>
153 <wsdl:port name="V4_ConsumePhysicalNotificationServiceHttpSoap12Endpoint"
154     binding="obp:V4_ConsumePhysicalNotificationServiceSoap12Binding">
155     <soap12:address
156         location=
157             "https://some.service.com/services/V4_ConsumePhysicalNotificationService.V4_ConsumePhysicalNotificationServiceHttpSoap12Endpoint"/>
158 </wsdl:port>
159 <wsdl:port name="V4_ConsumePhysicalNotificationServiceHttpsSoap12Endpoint"
160     binding="obp:V4_ConsumePhysicalNotificationServiceSoap12Binding">
161     <soap12:address
162         location=
163             "https://some.service.com/services/V4_ConsumePhysicalNotificationService.V4_ConsumePhysicalNotificationServiceHttpsSoap12Endpoint"/>
164 </wsdl:port>
165 <wsdl:port name="V4_ConsumePhysicalNotificationServiceHttpsEndpoint"
166     binding="obp:V4_ConsumePhysicalNotificationServiceHttpBinding">
167     <http:address
168         location=
169             "https://some.service.com/services/V4_ConsumePhysicalNotificationService.V4_ConsumePhysicalNotificationServiceHttpsEndpoint"/>
170 </wsdl:port>
171 </wsdl:service>
172 </wsdl:definitions>

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