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1  <?xml version="1.0" encoding="UTF-8"?>
2  <wsdl:definitions
3      xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
4      xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
5      xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
6      xmlns:obp="https://obp.neso.energy/ConsumeNomination"
7      xmlns:mime="http://schemas.xmlsoap.org/wsdl/mime/"
8      xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"
9      xmlns:xsd="http://www.w3.org/2001/XMLSchema"
10     xmlns:http="http://schemas.xmlsoap.org/wsdl/http/"
11     xmlns:wsp="http://schemas.xmlsoap.org/ws/2004/09/policy"
12     xmlns:wsu="
13         "http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"
14     xmlns:sp="http://schemas.xmlsoap.org/ws/2005/07/securitypolicy"
15     targetNamespace="https://obp.neso.energy/ConsumeNomination">
16     <wsp:Policy wsu:Id="UTOverTransport">
17         <wsp:ExactlyOne>
18             <wsp:All>
19                 <sp:SignedSupportingTokens>
20                     <wsp:Policy>
21                         <sp:UsernameToken sp:IncludeToken=
22                             "http://schemas.xmlsoap.org/ws/2005/07/securitypolicy/IncludeToken/A
23                             lwaysToRecipient"/>
24                     </wsp:Policy>
25                 </sp:SignedSupportingTokens>
26             </wsp:All>
27         </wsp:ExactlyOne>
28     </wsp:Policy>
29 <wsdl:types>
30     <schema xmlns="http://www.w3.org/2001/XMLSchema" attributeFormDefault=
31         "unqualified" elementFormDefault="qualified" targetNamespace=
32         "https://obp.neso.energy/ConsumeNomination">
33         <simpleType name="ServiceType">
34             <restriction base="string">
35                 <minLength value="1"/>
36                 <maxLength value="25"/>
37             </restriction>
38         </simpleType>
39         <simpleType name="WindowReasonType">
40             <restriction base="string">
41                 <minLength value="1"/>
42                 <maxLength value="200"/>
43             </restriction>
44         </simpleType>
45         <simpleType name="NominationType">
46             <restriction base="string">
47                 <minLength value="1"/>
48                 <maxLength value="25"/>
49                 <pattern value="^[^\s]+"/>
50             </restriction>
51         </simpleType>
52         <simpleType name="UnitIDType">
53             <restriction base="string">
54                 <minLength value="1"/>
55                 <maxLength value="20"/>
56                 <pattern value="^[^\s]+"/>
57             </restriction>
58         </simpleType>
59         <simpleType name="NUIType">
60             <restriction base="string">
61                 <minLength value="1"/>
62                 <maxLength value="20"/>
63                 <pattern value="^[^\s]+"/>
64             </restriction>
65         </simpleType>
66         <simpleType name="BandType">
67             <restriction base="integer">
68                 <minInclusive value="-999"/>
69                 <maxInclusive value="999"/>
70             </restriction>
71         </simpleType>
72         <simpleType name="LeadLagIndicatorType">

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68         <restriction base="string">
69             <enumeration value="LEAD"/>
70             <enumeration value="LAG"/>
71         </restriction>
72     </simpleType>
73     <simpleType name="QType">
74         <restriction base="decimal">
75             <minInclusive value="-99999.999999"/>
76             <maxInclusive value="99999.999999"/>
77             <fractionDigits value="6"/>
78         </restriction>
79     </simpleType>
80     <simpleType name="AvailabilityCostType">
81         <restriction base="decimal">
82             <minInclusive value="-99999.99"/>
83             <maxInclusive value="99999.99"/>
84             <fractionDigits value="2"/>
85         </restriction>
86     </simpleType>
87     <simpleType name="DetailsType">
88         <restriction base="string">
89             <minLength value="0"/>
90             <maxLength value="2000"/>
91         </restriction>
92     </simpleType>
93     <simpleType name="ResponseMessage">
94         <restriction base="string">
95             <enumeration value="SUCCESS"/>
96             <enumeration value="FAILURE"/>
97         </restriction>
98     </simpleType>
99     <complexType name="AvailabilityWindowType">
100         <sequence>
101             <element name="NUI" type="obp:NUIType"/>
102             <element name="StartDateTime" type="dateTime"/>
103             <element minOccurs="0" name="EndDateTime" type="dateTime"/>
104             <element minOccurs="0" name="BandID" type="obp:BandType"/>
105             <element minOccurs="0" name="LeadLagIndicator" type="
106                 obp:LeadLagIndicatorType"/>
107             <element minOccurs="0" name="Q" type="obp:QType"/>
108             <element minOccurs="0" name="AssociatedL" type="obp:QType"/>
109             <element minOccurs="0" name="AvailabilityCost" type="
110                 obp:AvailabilityCostType"/>
111             <element minOccurs="0" name="MaxUtilisationCost" type="
112                 obp:AvailabilityCostType"/>
113             <element name="Nomination" type="obp:NominationType"/>
114             <element minOccurs="0" name="WindowReason" type="obp:WindowReasonType"
115                 />
116         </sequence>
117     </complexType>
118     <element name="Availability_Nomination_Message">
119         <complexType>
120             <sequence>
121                 <element name="ServiceType" type="obp:ServiceType"/>
122                 <element name="UnitID" type="obp:UnitIDType"/>
123                 <element minOccurs="0" name="AUI" type="obp:NUIType"/>
124                 <element maxOccurs="unbounded" name="AvailabilityWindow" type="
125                     obp:AvailabilityWindowType"/>
126                 <element name="DateTimeStamp" type="dateTime"/>
127             </sequence>
128         </complexType>
129     </element>
130     <element name="Availability_Nomination_Response" type="obp:ResponseType"/>
131     <complexType name="ResponseType">
132         <sequence>
133             <element minOccurs="0" name="ServiceType" type="string"/>
134             <element minOccurs="0" name="UnitID" type="string"/>
135             <element minOccurs="0" name="Response" type="obp:ResponseMessage"/>
136             <element minOccurs="0" name="Details" type="obp:DetailsType"/>
137         </sequence>
138     </complexType>
139 </schema>

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135     </wsdl:types>
136     <wsdl:message name="ConsumeAvailabilityNominationOPRequest">
137         <wsdl:part name="AvailabilityNominationRequest" element=
            "obp:Availability_Nomination_Message"/>
138     </wsdl:message>
139     <wsdl:message name="ConsumeAvailabilityNominationOPResponse">
140         <wsdl:part name="AvailabilityNominationResponse" element=
            "obp:Availability_Nomination_Response"/>
141     </wsdl:message>
142     <wsdl:portType name="V4_ConsumeAvailabilityNominationPSPortType" wsp:PolicyURIs=
        "#UTOverTransport">
143         <wsdl:operation name="ConsumeAvailabilityNominationOP">
144             <wsdl:input message="obp:ConsumeAvailabilityNominationOPRequest" wsaw:Action
                ="ConsumeAvailabilityNominationOP"/>
145             <wsdl:output message="obp:ConsumeAvailabilityNominationOPResponse"
                wsaw:Action=
                "http://www.nationalgrid.com/pas/cdsa/Nomination/ConsumeAvailabilityNomination
                nPT/ConsumeAvailabilityNominationOPResponse"/>
146         </wsdl:operation>
147     </wsdl:portType>
148     <wsdl:binding name="V4_ConsumeAvailabilityNominationPSSoap11Binding" type=
        "obp:V4_ConsumeAvailabilityNominationPSPortType">
149         <soap:binding transport="http://schemas.xmlsoap.org/soap/http" style="document"
            />
150         <wsdl:operation name="ConsumeAvailabilityNominationOP">
151             <soap:operation soapAction="ConsumeAvailabilityNominationOP" style=
                "document"/>
152             <wsdl:input>
153                 <soap:body use="literal"/>
154             </wsdl:input>
155             <wsdl:output>
156                 <soap:body use="literal"/>
157             </wsdl:output>
158         </wsdl:operation>
159     </wsdl:binding>
160     <wsdl:binding name="V4_ConsumeAvailabilityNominationPSSoap12Binding" type=
        "obp:V4_ConsumeAvailabilityNominationPSPortType">
161         <soap12:binding transport="http://schemas.xmlsoap.org/soap/http" style=
            "document"/>
162         <wsdl:operation name="ConsumeAvailabilityNominationOP">
163             <soap12:operation soapAction="ConsumeAvailabilityNominationOP" style=
                "document"/>
164             <wsdl:input>
165                 <soap12:body use="literal"/>
166             </wsdl:input>
167             <wsdl:output>
168                 <soap12:body use="literal"/>
169             </wsdl:output>
170         </wsdl:operation>
171     </wsdl:binding>
172     <wsdl:binding name="V4_ConsumeAvailabilityNominationPSHttpBinding" type=
        "obp:V4_ConsumeAvailabilityNominationPSPortType">
173         <http:binding verb="POST"/>
174         <wsdl:operation name="ConsumeAvailabilityNominationOP">
175             <http:operation location="ConsumeAvailabilityNominationOP"/>
176             <wsdl:input>
177                 <mime:content type="text/xml" part="parameters"/>
178             </wsdl:input>
179             <wsdl:output>
180                 <mime:content type="text/xml" part="parameters"/>
181             </wsdl:output>
182         </wsdl:operation>
183     </wsdl:binding>
184     <wsdl:service name="V4_ConsumeAvailabilityNominationPS">
185         <wsdl:port name="V4_ConsumeAvailabilityNominationPSHttpsSoap11Endpoint" binding
            ="obp:V4_ConsumeAvailabilityNominationPSSoap11Binding">
186             <soap:address location=
                "https://some.service.provider.com/services/V4_ConsumeAvailabilityNominationP
                S.V4_ConsumeAvailabilityNominationPSHttpsSoap11Endpoint"/>
187         </wsdl:port>
188         <wsdl:port name="V4_ConsumeAvailabilityNominationPSHttpSoap11Endpoint" binding=
            "obp:V4_ConsumeAvailabilityNominationPSSoap11Binding">

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189         <soap:address location=  
190             "https://some.service.provider.com/services/V4_ConsumeAvailabilityNominationP  
191             S.V4_ConsumeAvailabilityNominationPSHttpSoap11Endpoint"/>  
192     </wsdl:port>  
193     <wsdl:port name="V4_ConsumeAvailabilityNominationPSHttpSoap12Endpoint" binding=  
194         "obp:V4_ConsumeAvailabilityNominationPSSoap12Binding">  
195         <soap12:address location=  
196             "https://some.service.provider.com/services/V4_ConsumeAvailabilityNominationP  
197             S.V4_ConsumeAvailabilityNominationPSHttpSoap12Endpoint"/>  
198     </wsdl:port>  
199     <wsdl:port name="V4_ConsumeAvailabilityNominationPSHttpsSoap12Endpoint" binding=  
200         "obp:V4_ConsumeAvailabilityNominationPSSoap12Binding">  
201         <soap12:address location=  
202             "https://some.service.provider.com/services/V4_ConsumeAvailabilityNominationP  
203             S.V4_ConsumeAvailabilityNominationPSHttpsSoap12Endpoint"/>  
204     </wsdl:port>  
205     </wsdl:service>  
</wsdl:definitions>
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