<?xml version="1.0" encoding="ISO-8859-1"?>

<!--

 WSDL for the PJM Energy Market Participant Web Services Interface

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 Purpose: This WSDL defines the web services interface to the

 PJM market server

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 Revision

 History: [August 20, 2003] Original.

 [September 10, 2003] Changed XML Schema import to conform to

 WS-I Basic Profile 1.0.

 [September 17, 2003] WSDL was not really valid. Found a validator

 tool and corrected problems.

-->

<definitions name="MarketService"

 targetNamespace="http://emkt.pjm.com/emkt/xml/wsdl"

 xmlns:tns="http://emkt.pjm.com/emkt/xml/wsdl"

 xmlns:mkt="http://emkt.pjm.com/emkt/xml"

 xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"

 xmlns="http://schemas.xmlsoap.org/wsdl/">

 <types>

 <schema xmlns="http://www.w3.org/2001/XMLSchema">

 <import namespace="http://emkt.pjm.com/emkt/xml"

 schemaLocation="pjm-emkt.xsd"/>

 </schema>

 </types>

 <!--

 Define message formats to be used in the web services

 interface.

 -->

 <message name="QueryRequest">

 <part name="body" element="mkt:QueryRequest"/>

 </message>

 <message name="QueryResponse">

 <part name="body" element="mkt:QueryResponse"/>

 </message>

 <message name="SubmitRequest">

 <part name="body" element="mkt:SubmitRequest"/>

 </message>

 <message name="SubmitResponse">

 <part name="body" element="mkt:SubmitResponse"/>

 </message>

 <!--

 Define port types for the web service.

 -->

 <portType name="MarketSubmitPortType">

 <operation name="submit">

 <input message="tns:SubmitRequest"/>

 <output message="tns:SubmitResponse"/>

 </operation>

 </portType>

 <portType name="MarketQueryPortType">

 <operation name="query">

 <input message="tns:QueryRequest"/>

 <output message="tns:QueryResponse"/>

 </operation>

 </portType>

 <!--

 Define soap bindings for the web service.

 -->

 <binding name="MarketSubmitSoapBinding" type="tns:MarketSubmitPortType">

 <soap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>

 <operation name="submit">

 <soap:operation soapAction="submit"/>

 <input>

 <soap:body use="literal"/>

 </input>

 <output>

 <soap:body use="literal"/>

 </output>

 </operation>

 </binding>

 <binding name="MarketQuerySoapBinding" type="tns:MarketQueryPortType">

 <soap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>

 <operation name="query">

 <soap:operation soapAction="query"/>

 <input>

 <soap:body use="literal"/>

 </input>

 <output>

 <soap:body use="literal"/>

 </output>

 </operation>

 </binding>

 <!--

 Define service for the web service using the soap binding.

 -->

 <service name="MarketSubmitService">

 <port binding="tns:MarketSubmitSoapBinding" name="MarketSubmitService">

 <soap:address location="https://marketsgateway.pjm.com/marketsgateway/xml/submit"/>

 </port>

 </service>

 <service name="MarketQueryService">

 <port binding="tns:MarketQuerySoapBinding" name="MarketQueryService">

 <soap:address location="https://marketsgateway.pjm.com/marketsgateway/xml/query"/>

 </port>

 </service>

</definitions>