<?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>