Load Dispatch Instruction

Wednesday, May 27, 2015

12:32 PM

***Query***

You may query for a Dispatch instruction using the query documented below. The query requests all Dispatch instructions issued since the specified time (or, if no time specified, the most recently issued message is returned).

Only notifications less than historical retention period of the market database may be queried.

<QueryRequest>

<QueryDispatch>

<LocationName>zzz</LocationName>

<Since>yyyy-mm-ddThh:mm:ss</Since>

</QueryDispatch>

</QueryRequest>

***Outputs***

Report file is saved to the auditpath directory and displayed on the Dispatch UI.

<QueryResponse>

<Dispatch location="xxx" interval="yyyy-mm-ddThh:mm:ss">

<EnergyDispatch MW="xx" LMP="xx" />

<RegulationDispatch MW="xx" MCP="xx" MileageMCP="xx" />

<SpinningReserveDispatch MW="xx" MCP="xx" />

<SupplementalReserveDispatch MW="xx" MCP="xx" />

</Dispatch>

</QueryResponse>

***Load Process***

Each instruction is stored in the MC\_DISPATCH\_ENERGY and MC\_DISPATCH\_AS tables to be displayed on the Dispatches UI. Multiple dispatch instructions could be included in one file.

A record is loaded per each unique Participant, Transaction Point (location), Source, Start Dt, and Product

One complete dispatch set would result in 1 physical record in MC\_DISPATCH\_ENERGY and 3 records in MC\_DISPATCH\_AS.

***MC\_DISPATCH\_ENERGY Mapping :***

|  |  |  |
| --- | --- | --- |
| **Field** | **Description** | **Source** |
| DISPATCH\_ENERGY\_ID | Dispatch Energy Identifier: A number, generated from a sequence, which uniquely identifies this row. |  |
| PTCPT\_ID | Participant ID: A id that uniquely identifies a market participant. Valid values are stored in the table X\_PTCPT. | party |
| XP\_ID | Transaction Point Identifier: The nMarket identifier for a transaction point. Valid values are stored in the table X\_XP\_MASTER. | location |
| SOURCE\_CD | Source Code: A code that indicates the source of the record. Valid values are stored in the table MC\_SOURCE\_CODE\_TYPE. | 'ISO' |
| PRODUCT\_ID | Product Identifier: An identifier that indicates the product type of the record. Valid values are stored in the table MC\_DISPATCH\_PRODUCT\_TYPE. | 1 |
| START\_DT | Start Date: The start date and time of the interval. | Interval |
| DT\_INTRVL\_VAL | Date Interval Value: The interval value to denote the duration of the data. | '+000 00:05:00.000000' |
| QUANTITY | Quantity: The quantity of the record. | EnergyDispatch MW |
| PRICE | Price Amount: The price amount of the record. | EnergyDispatch LMP |
| EXT\_ID | External Identifier: Identifier from an external system to identify records in nMarket. |  |
| USER\_COMMENTS | User Comments: User Comments. |  |
| USER\_ID | User Identifier: The user that added or updated this record. Valid values are stored in the table X\_USER\_LOGIN. |  |
| REVISED\_DT | Revised Date: The system date and time when the record was added or updated. |  |

***MC\_DISPATCH\_AS Mapping :***

|  |  |  |
| --- | --- | --- |
| **Field** | **Description** | **Source** |
| DISPATCH\_AS\_ID | Dispatch Ancillary Service Identifier: A number, generated from a sequence, which uniquely identifies this row. |  |
| PTCPT\_ID | Participant ID: A id that uniquely identifies a market participant. Valid values are stored in the table X\_PTCPT. | party |
| XP\_ID | Transaction Point Identifier: The nMarket identifier for a transaction point. Valid values are stored in the table X\_XP\_MASTER. | location |
| SOURCE\_CD | Source Code: A code that indicates the source of the record. Valid values are stored in the table MC\_SOURCE\_CODE\_TYPE. | 'ISO' |
| PRODUCT\_ID | Product Identifier: An identifier that indicates the product type of the record. Valid values are stored in the table MC\_DISPATCH\_PRODUCT\_TYPE. | 2 - Regulation  3 - Spinning Reserve  4 - Supplemental Reserve |
| START\_DT | Start Date: The start date and time of the interval. Stored in GMT. | Interval |
| DT\_INTRVL\_VAL | Date Interval Value: The interval value to denote the duration of the data. | '+000 00:05:00.000000' |
| QUANTITY | Quantity: The quantity of the record. | RegulationDispatch MW  SpinningReserveDispatch MW  SupplementalReserveDispatch MW |
| PRICE | Price Amount: The price amount of the record. | RegulationDispatch MCP  SpinningReserveDispatch MCP  SupplementalReserveDispatch MCP |
| MILEAGE\_PRICE |  | RegulationDispatch MileageMCP |
| EXT\_ID | External Identifier: Identifier from an external system to identify records in nMarket. |  |
| USER\_COMMENTS | User Comments: User Comments. |  |
| USER\_ID | User Identifier: The user that added or updated this record. Valid values are stored in the table X\_USER\_LOGIN. |  |
| REVISED\_DT | Revised Date: The system date and time when the record was added or updated. |  |

***Examples***

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<QueryResponse xmlns="http://markets.midwestiso.org/dart/xml">

<Dispatch interval="2012-12-18T16:00:00.000-05:00" location="TESTGEN">

<EnergyDispatch MW="10.3" LMP="-48040.94"/>

<RegulationDispatch MW="10.3" MCP="1009.5" MileageMCP="20"/>

<SpinningReserveDispatch MW="10.3" MCP="9.5"/>

<SupplementalReserveDispatch MW="10.3" MCP="7.51"/>

</Dispatch>

<Dispatch interval="2012-12-18T15:55:00.000-05:00" location="TESTGEN">

<EnergyDispatch MW="10.3" LMP="-48095.24"/>

<RegulationDispatch MW="10.3" MCP="1009.47" MileageMCP="15"/>

<SpinningReserveDispatch MW="10.3" MCP="9.47"/>

<SupplementalReserveDispatch MW="10.3" MCP="7.51"/>

</Dispatch>

<Dispatch interval="2012-12-18T15:50:00.000-05:00" location="TESTGEN">

<EnergyDispatch MW="10.4" LMP="-48010.38"/>

<RegulationDispatch MW="10.4" MCP="1009.47" MileageMCP="10"/>

<SpinningReserveDispatch MW="10.4" MCP="9.47"/>

<SupplementalReserveDispatch MW="10.4" MCP="7.51"/>

</Dispatch>

</QueryResponse>

</Body>

</Envelope>

***Error Handling***

* Invalid Participant. Skip record.
  + *No participant exists in the nMarket Database for the party name = <party>.*
* Invalid Transaction Point. Skip record.
  + *No transaction point exists in the nMarket Database for the location name = <location>.*
* Invalid Date
  + *Invalid date passed from the file <interval> is not a valid value.*
* Invalid Value
  + *Invalid value passed from the file*