Load Notification - Dispatch Instruction

Wednesday, May 27, 2015

12:32 PM

This message is a push style message sent by the RTO to registered MPs who are representing energy

supply, regulation, and reserve resources (i.e. generators and demand response resources). Also, this

message is sent to the associated local balancing authority for informational purposes.

Dispatch messages are sent at any time during the real-time operation of the system but no more

frequent than 5 minute intervals. These dispatch messages convey the ExAnte real-time market results

in 5-minute intervals.

***Outputs***

Report file is saved to the auditpath directory and displayed on the Notifications Monitor.

<Notifications>

<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>

</Notifications>

More than one dispatch instruction may be included in a single message.

***Load Process***

Each dispatch instruction is stored in both the MC\_NOTIF table to be displayed in Notification Monitor as well as the MC\_DISPATCH\_ENERGY & MC\_DISPATCH\_AS tables to be displayed on the Dispatches UI.

For the purposes of the notification table each dispatch instruction is a new notification, there are no updates.

Dispatches will be updated based on the following unique key:

Participant (party)

Transaction Point (location)

Start Dt (interval)

Source

***MC\_NOTIF\_TYPE Definition :***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NOTIF\_TYPE\_CD** | **JOB\_CD** | **NOTIF\_TYPE\_DESC** | **DISPLAY\_NME** | **USER\_ID** | **REVISED\_DT** |
| Dispatch | Dispatch | Dispatch Instruction | Dispatch Instruction | -10 | SYSDATE |

***MC\_NOTIF Mapping :***

|  |  |  |  |
| --- | --- | --- | --- |
| **Element or Attribute** | **Data Type** | **Description** | **Database column** |
| party | Character String | Participant code.  This is an optional tag. | Store in MC\_NOTIF.DTL\_MSG (clob);  Display as "Participant" |
| Location | Character string | Specifies the pricing node location of the dispatch. | Store in MC\_NOTIF.DTL\_MSG (clob);  Display as "Location" |
| Interval | dateTime | Specifies the instruction time interval’s date and time using  standard XML dateTime format, yyyymm-ddThh:mm:ss. | Store in MC\_NOTIF.DTL\_MSG (clob);  Display as "Interval" |
| EnergyDispatch  MW |  | Required attribute specifying the cleared Energy MW  level. | Store in MC\_NOTIF.DTL\_MSG (clob);  Display as "Energy MW" |
| EnergyDispatch  LMP |  | Required attribute specifying the LMP in $ per MW. | Store in MC\_NOTIF.DTL\_MSG (clob);  Display as "Energy LMP" |
| RegulationDispatch  MW |  | Required attribute specifying the cleared Regulation MW level. | Store in MC\_NOTIF.DTL\_MSG (clob);  Display as "Regulation MW" |
| RegulationDispatch  MCP |  | Required attribute specifying the market cleared regulating reserve price in $ per MW. | Store in MC\_NOTIF.DTL\_MSG (clob);  Display as "Regulation MCP" |
| RegulationDispatch  MileageMCP |  | Optional attribute specifying the market cleared regulation Mileage price in $ per MW. | Store in MC\_NOTIF.DTL\_MSG (clob);  Display as "Regulation Mileage MCP" |
| SpinningReserveDispatch  MW |  | Required attribute specifying the cleared Spinning Reserve MW level. | Store in MC\_NOTIF.DTL\_MSG (clob);  Display as "Spinning Reserve MW" |
| SpinningReserveDispatch  MCP |  | Required attribute specifying the market cleared price in $ per MW. | Store in MC\_NOTIF.DTL\_MSG (clob);  Display as "Spinning Reserve MCP" |
| SupplementalReserveDispatch  MW |  | Required attribute specifying the cleared Supplemental Reserve MW level. | Store in MC\_NOTIF.DTL\_MSG (clob);  Display as "Supplemental Reserve MW" |
| SupplementalReserveDispatch  MCP |  | Required attribute specifying the market cleared price in $ per MW. | Store in MC\_NOTIF.DTL\_MSG (clob);  Display as "Supplemental Reserve MCP" |

***MC\_DISPATCH\_ENERGY & MC\_DISPATCH\_AS Mapping : See design*** [***Load Dispatch Instruction***](onenote:#Load%20Dispatch%20Instruction&section-id={1E515985-918E-4457-8CB3-69C5F07E08A0}&page-id={094CEE0E-FE0C-4B2E-B0A4-7C744ADC413B}&end&base-path=shacnas1\projects\nMarket\SPP%20IM\11%20-%20Documentation\OneNote\nMarket%20Global\MISO%20Designs.one)

***Examples***

<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/" xmlns="http://markets.midwestiso.org/dart/xml">

<env:Header/>

<env:Body>

<Notifications party="Test Generation Company">

<Dispatch location="TESTGEN" interval="2012-12-18T14:52:13">

<EnergyDispatch MW="-25" LMP="50"/>

<RegulationDispatch MW="-50" MCP="50" MileageMCP="24"/>

<SpinningReserveDispatch MW="-75" MCP="50"/>

<SupplementalReserveDispatch MW="-100" MCP="50"/>

</Dispatch>

</Notifications>

</env:Body>

</env:Envelope>