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|  | LOAD FROM FILE : Load RT Integrated LMP    Datamodel  Populates the table MC\_PRICE\_RT.  Uses lookup tables used: MC\_PRICE\_SOURCE\_CODE\_TYPE, X\_XP and MC\_PRICE\_RT\_TYPE.    Outputs  <env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  <env:Header/>  <env:Body>  <QueryResponse xmlns="http://markets.midwestiso.org/dart/xml">  <RealTimeIntegratedLMP day= "yyyy-mm-dd">  <IntPricingNode location= "xxx">  <IntPricingNodeHourly hour= "hh">  <LMP>99.99</LMP>  <MCC>99.99</MCC>  <MLC>99.99</MLC>  </IntPricingNodeHourly>  </IntPricingNode>  </RealTimeIntegratedLMP>  </QueryResponse>  </env:Body>  </env:Envelope>    Description     |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Field**  **MC\_PRICE\_RT** | **UK** | **REQ** | **Description** | **Source** | **Lookup** | | XP\_ID |  | Y | Specifies the pricing location name. | Location= "xxx" | XP\_ID Where ISO\_REF = XXX | | START\_DT |  | Y | Indicates effective Start date of the record | Day= "yyyy-mm-dd"  Hour= "hh"    Stored as the start of the hour ending "hh" |  | | DT\_INTRVL\_VAL |  | Y | The interval value to denote the duration of the data. | +00 01:00:00.000000 |  | | PRICE\_TYPE\_CD |  | Y | Price Type Code | 'RTLMP' |  | | SOURCE\_CD |  | Y | Source Code | 'ISO' | MC\_PRICE\_SOURCE\_CODE\_TYPE | | PRICE\_AMT |  |  | Specifies the hourly integrated real time LMP in $ per MW. | <LMP> |  | | ENERGY\_AMT |  |  | Specifies the hourly integrated real-time energy component in $ per MW. The value is calculated when loaded. LMP – MCC – MLC = Energy. | LMP – MCC – MLC |  | | CONGEST\_AMT |  |  | Specifies the hourly integrated real-time congestion component in $ per MW. | <MCC> |  | | LOSS\_AMT |  |  | Specifies the hourly integrated real-time loss component in $ per MW. | <MLC> |  | | USER\_ID |  | Y | Specifies the user who loaded the record |  |  | | REVISED\_DT |  | Y | Specifies the system date when the record was last loaded |  |  |     Processing  If price for a given day/hour/location/price type/source DOES NOT exist, INSERT the new record.  If price for a given day/hour/location/price type/source ALREADY exists, UPDATE the existing record.    Examples    <env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  <env:Header/>  <env:Body>  <QueryResponse xmlns="http://markets.midwestiso.org/dart/xml">  <RealTimeIntegratedLMP type= "LMP" day= "2007-06-01">  <IntPricingNode location= "ABC">  <IntPricingNodeHourly hour= "01">  <LMP>35.00</LMP>  <MCC>10.00</MCC>  <MLC>15.00</MLC>  </IntPricingNodeHourly>  </IntPricingNode>  <IntPricingNode location="ABC">  <IntPricingNodeHourly hour="02">  <LMP>45.00</LMP>  <MCC>11.00</MCC>  <MLC>12.00</MLC>  </IntPricingNodeHourly>  </IntPricingNode>  <IntPricingNode location="DEF">  <IntPricingNodeHourly hour="01">  <LMP>30.00</LMP>  <MCC>5.00</MCC>  <MLC>10.00</MLC>  </IntPricingNodeHourly>  </IntPricingNode>  <IntPricingNode location="DEF">  <IntPricingNodeHourly hour="02">  <LMP>27.00</LMP>  <MCC>7.00</MCC>  <MLC>5.00</MLC>  </IntPricingNodeHourly>  </IntPricingNode>  </RealTimeIntegratedLMP>  </QueryResponse>  </env:Body>  </env:Envelope>    Error Handling   * + 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 <day> is not a valid value.*   + Invalid Hour     - *Invalid hour passed from the file <hour> is not a valid value.*   + Invalid LMP     - *Invalid price passed from the file <LMP> is not a valid value.*   + Invalid MCC     - *Invalid price passed from the file <LMP> is not a valid value.*   + Invalid MLC     - *Invalid price passed from the file <LMP> is not a valid value.*     Testing Approach   |  |  | | --- | --- | | **ISO LOADS** | **(A)utomated / (M)anual** | | Connectivity - Download From Market | **N/A** | | FileListener | **N/A** | | Job Scheduler | **On hold** | | Load From File | **M** | | Verify price data appears correctly on View Prices screen. | **On hold** | | Load from File: Verify the correct Load from File process is recognized. | **On hold** | | Verify data is stored in the tables correctly. | **M** | | Verify that the start date and date interval values are determined correctly. | **M** | | Unique key validations for data integrity | **A** | | Date- monthly auctions, multi month auctions | **A** | | File with All the Valid Types that are supported (price types, Source) | **A** | | XP\_Validate end-dated XP validation | **A** | | Validate the Auditpath and Load Summary window has correct information | **M** | | Error handling- Duplicate data validation for data integrity | **A** | | Error handling- Business Keys (required fields and unique keys) | **A** | | Error handling - Formatting | **A** | |  |  |  |  |
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