

**Oracle Utilities Extractors and Schema
for Oracle Utilities Network Management
System**

Data Mapping Guide

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Preface

This guide provides the data mapping information from the Oracle Utilities Network Management System source system to the Oracle Utilities Extractors and Schema target product.

Audience

The guide is intended for all implementers of Oracle Utilities Extractors and Schema for Oracle Utilities Network Management System.

Related Documents

For more information, see the following documents:

- *Oracle Utilities Analytics for Oracle Utilities Extractors and Schema and Oracle Utilities Analytics Dashboards Installation Guide*
- *Oracle Utilities Analytics for Oracle Utilities Extractors and Schema and Oracle Utilities Analytics Dashboards Quick Install Guide*
- *Oracle Utilities Analytics for Oracle Utilities Extractors and Schema and Oracle Utilities Analytics Dashboards Release Notes*
- *Oracle Utilities Analytics for Oracle Utilities Extractors and Schema and Oracle Utilities Analytics Dashboards User's Guide*
- *Oracle Utilities Analytics for Oracle Utilities Extractors and Schema and Oracle Utilities Analytics Dashboards Administration Guide*

See Also:

- Oracle Utilities Network Management System Documentation Library

Notational Conventions

The following notational conventions are used in this document:

| Notation | Indicates |
|-----------------|--|
| boldface | Graphical user interface elements associated with an action, terms defined in text, or terms defines in the glossary |
| <i>italic</i> | Book titles, emphasis, or placeholder variables for which you supply particular values |

Notation**Indicates**

monospace

Commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter

Chapter 1

Overview

This guide provides the data mapping information from the Oracle Utilities Network Management System extractors and schema target product. The guide describes the data mapping between the source system and the target, and the rules of data transformation for Oracle Utilities Extractors and Schema for Oracle Utilities Network Management System.

Terminologies

<Presentation Table Name>

The Presentation Table Name lists the default name of the objects in OBIEE when no customer modifications have been made to the name of the table. This is the default label seen in answers.

Properties

The Properties table lists properties of the table independent of each field. The following properties are listed in the table:

| Property | Value |
|-------------------------------|--|
| Load Table Name | Name of the data warehouse table that the extract file will be loaded into |
| Table Type | Fact or dimension |
| Source System Driver Table | Name of the table in source database from which data is extracted |
| Source System Extract Program | Name of the program that creates the extract file |
| SCD Type | Type 1 - Existing records are updated directly Type 2 - Existing records are marked inactive and new records are inserted from the staging file |
| Fact Type | Whether this is a snapshot or transactional fact table |
| Stage Table Name | Name of the table in the BI target database that can be used to query the data records from the staging file |
| Stage File Name | Operating system file name that will contain the data records to be loaded into the table. The filename will end in '.DAT'. |

| Property | Value |
|----------------------------|--|
| Control Table Name | Name of the table in the Oracle database that can be used to query the record from the control file |
| Control File Name | Name of the operating system file that is used as the control file in the extraction. The filename will end in '.CTL'. Control file stores the record count and batch control information. It is used in load validation. |
| Update Procedure Name | The name of an Oracle procedure that will be used run prior to loading records from the staging data file. Used by Type 2 dimensions to update the Effective End Date value for records that exist in the staging file. |
| OWB Map Name | Name of the mapping that loads records from the staging file into the database table |
| OWB Work Flow Name | Name of the process flow that will process the next available staging file and load the records in there into the database table |
| OWB Work Flow Package Name | Name of the process flow package that contains the process flow |
| Extract Procedure | Name of the extract program that creates the extract files |
| Modify View Name | Name of the view used to find records that were added or updated in the database |
| Delete View Name | Name of the view used to find records that were deleted from the database |

Fields

The Fields table lists the individual properties of each field in the Presentation Table or the Database Table. The following fields are listed in the tables:

| Property | Value |
|---------------|--|
| Extract Field | Name of the field in the staging file that stores this data |
| Length | Length of the extract field in the staging file |
| Source | Field from source application or stage table or calculation is used to populate the extract field. If blank, then there is no default population of the field in the NMS extracts. If the field is from the source system driver table, then only the field name is mentioned. If the field is from the edge application, then it is prefixed by the edge application table name. |
| View Field | Name of the field in the NMS Modify view that stores the extracted data |
| Column | Name of the column in the database table. If blank, then the field is not present in the database table, but is only available from OBIEE. |
| OBIEE Field | Name of the field in the OBIEE Presentation folder. If blank, then the field is not available by default in OBIEE. |

| Property | Value |
|-----------------|--|
| Load | How the data is populated. If the Column field is entered, then this is how the data is loaded in OWB. If the column field is empty, then this contains the calculation in OBIEE that is used by the column. |

Chapter 2

Data Maps for Oracle Utilities Network Management System

This section contains data maps for the following Oracle Utilities Extractors and Schema for Oracle Utilities Network Management data:

- **Dimension Extract Programs**
- **Fact Extract Programs**
- **Dimension Table Schema**
- **Fact Table Schema**

Dimension Extract Programs

Account Dimension

Properties

| Property | Value |
|-------------------------------|-----------------------|
| Load Table Name | CD_ACCT |
| Table Type | Dimension |
| Source System Driver Table | CU_SERVICE_LOCATIONS |
| Source System Extract Program | bi_customer_extractor |
| Stage Table Name | STG_ACCT_EXT |
| Stage File Name | D_ACCT_EXT |
| Control Table Name | STG_ACCT_CTL_EXT |
| Control File name | D_ACCT_EXT |
| Update Procedure Name | SPL_ACCT_UPD_PRC |
| OWB Map Name | SPLMAP_D_ACCT |
| OWB Work Flow Name | SPLWF_D_ACCT |
| OWB Work Flow Package Name | DIM |
| Extract Procedure | PR_BI_EXTOACCT |
| Modify View Name | EXTOACCT_MODIFY_V |
| Delete View Name | EXTOACCT_DELETE_V |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|----------------|--------|--|------------------|
| UPDATE_DTTM | 20 | LAST_UPDATE_TIME | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| ACCOUNT_ID | 30 | serv_account_number | EXTRACT_FIELD_01 |
| UDF1_CD | 30 | | EXTRACT_FIELD_02 |
| UDF1_DESCR | 60 | | EXTRACT_FIELD_03 |
| UDF2_CD | 30 | | EXTRACT_FIELD_04 |
| UDF2_DESCR | 60 | | EXTRACT_FIELD_05 |
| UDF3_CD | 30 | | EXTRACT_FIELD_06 |
| UDF3_DESCR | 60 | | EXTRACT_FIELD_07 |

| Extract Field | Length | Source | View Field |
|-----------------|--------|--|------------------|
| UDF4_CD | 30 | | EXTRACT_FIELD_08 |
| UDF4_DESCR | 60 | | EXTRACT_FIELD_09 |
| UDF5_CD | 30 | | EXTRACT_FIELD_10 |
| UDF5_DESCR | 60 | | EXTRACT_FIELD_11 |
| UDF6_CD | 30 | | EXTRACT_FIELD_12 |
| UDF6_DESCR | 60 | | EXTRACT_FIELD_13 |
| UDF7_CD | 30 | | EXTRACT_FIELD_14 |
| UDF7_DESCR | 60 | | EXTRACT_FIELD_15 |
| UDF8_CD | 30 | | EXTRACT_FIELD_16 |
| UDF8_DESCR | 60 | | EXTRACT_FIELD_17 |
| UDF9_CD | 30 | | EXTRACT_FIELD_18 |
| UDF9_DESCR | 60 | | EXTRACT_FIELD_19 |
| UDF10_CD | 30 | | EXTRACT_FIELD_20 |
| UDF10_DESCR | 60 | | EXTRACT_FIELD_21 |
| ACCT_INFO | 254 | serv_loc_id | EXTRACT_FIELD_22 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATO R' | |

The base product uses the following fields to populate the UDFs on the dimension:

- CHAR / account “predefined” characteristic type code. The UDF is populated with the characteristic value of the account and the description of the characteristic value (for the specified characteristic type).
- PROG / CI_ACCT.ACCT_MGMT_GRP_CD. The UDF is populated with the account management group code and description of the account.
- PROG / CI_ACCT.CUST_CL_CD. The UDF is populated with the customer class code and description of the account.
- PROG / CI_ACCT.CIS_DIVISION. The UDF is populated with the division code and description of the account.
- PROG / CI_ACCT.BILL_CYC_CD. The UDF is populated with the bill cycle code and description of the account.
- PROG / CI_ACCT.COLL_CL_CD. The UDF is populated with the collection class code and description of the account. Note that the collection class is derived from the customer class code of the account.

NMS Extract Program: bi_customer_extractor

Extract Procedure: PR_BI_EXTOACCT

Modify View: EXTOACCT_MODIFY_V

Delete View: EXTOACCT_DELETE_V

Address Dimension

Properties

| Property | Value |
|-------------------------------|-----------------------|
| Load Table Name | CD_ADDR |
| Table Type | Dimension |
| Source System Driver Table | CU_SERVICE_LOCATIONS |
| Source System Extract Program | bi_customer_extractor |
| Stage Table Name | STG_ADDR_EXT |
| Stage File Name | D_ADDR_EXT |
| Control Table Name | STG_ADDR_CTL_EXT |
| Control File name | D_ADDR_EXT |
| Update Procedure Name | SPL_ADDR_UPD_PRC |
| OWB Map Name | SPLMAP_D_ADDR |
| OWB Work Flow Name | SPLWF_D_ADDR |
| OWB Work Flow Package Name | DIM |
| Extract Procedure | PR_BI_EXTOADDR |
| Modify View Name | EXTOADDR_MODIFY_V |
| Delete View Name | EXTOADDR_DELETE_V |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|----------------|--------|--|------------------|
| SRC_ADDRESS_ID | 254 | ADDRESS_ID | ADDRESS_ID |
| UPDATE_DT_TM | 20 | LAST_UPDATE_TIME | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | Change Type Code |
| SRC_PREM_ID | 30 | serv_loc_id | EXTRACT_FIELD_01 |
| ADDR_LINE1 | 254 | serv_addr_1 | EXTRACT_FIELD_02 |
| ADDR_LINE2 | 254 | serv_addr_2 | EXTRACT_FIELD_03 |
| ADDR_LINE3 | 254 | serv_addr_3 | EXTRACT_FIELD_04 |
| ADDR_LINE4 | 254 | serv_addr_4 | EXTRACT_FIELD_05 |
| CROSS_STREET | 100 | | EXTRACT_FIELD_06 |
| SUBURB | 100 | | EXTRACT_FIELD_07 |
| CITY | 60 | serv_city | EXTRACT_FIELD_08 |

| Extract Field | Length | Source | View Field |
|----------------------|---------------|--|-------------------|
| COUNTY | 60 | | EXTRACT_FIELD_09 |
| POSTAL | 12 | serv_postcode_1 | EXTRACT_FIELD_10 |
| STATE_CD | 6 | serv_state | EXTRACT_FIELD_11 |
| STATE_DESCR | 100 | serv_state | EXTRACT_FIELD_12 |
| COUNTRY_CD | 3 | 'USA' | EXTRACT_FIELD_13 |
| COUNTRY_DESCR | 100 | 'United States of America' | EXTRACT_FIELD_14 |
| GEO_CODE | 11 | | EXTRACT_FIELD_15 |
| UDF1_CD | 30 | serv_city | EXTRACT_FIELD_16 |
| UDF1_DESCR | 60 | serv_city | EXTRACT_FIELD_17 |
| UDF2_CD | 30 | | EXTRACT_FIELD_18 |
| UDF2_DESCR | 60 | | EXTRACT_FIELD_19 |
| UDF3_CD | 30 | serv_postcode_1 | EXTRACT_FIELD_20 |
| UDF3_DESCR | 60 | serv_postcode_1 serv_postcode_2 | EXTRACT_FIELD_21 |
| UDF4_CD | 30 | serv_state | EXTRACT_FIELD_22 |
| UDF4_DESCR | 60 | serv_state | EXTRACT_FIELD_23 |
| UDF5_CD | 30 | 'United States of America' | EXTRACT_FIELD_24 |
| UDF5_DESCR | 60 | 'United States of America' | EXTRACT_FIELD_25 |
| UDF6_CD | 30 | | EXTRACT_FIELD_26 |
| UDF6_DESCR | 60 | | EXTRACT_FIELD_27 |
| UDF7_CD | 30 | | EXTRACT_FIELD_28 |
| UDF7_DESCR | 60 | | EXTRACT_FIELD_29 |
| UDF8_CD | 30 | | EXTRACT_FIELD_30 |
| UDF8_DESCR | 60 | | EXTRACT_FIELD_31 |
| UDF9_CD | 30 | | EXTRACT_FIELD_32 |
| UDF9_DESCR | 60 | | EXTRACT_FIELD_33 |
| UDF10_CD | 30 | | EXTRACT_FIELD_34 |
| UDF10_DESCR | 60 | | EXTRACT_FIELD_35 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATO R' | |

| Extract Field | Length | Source | View Field |
|---------------|--------|---|------------------|
| ADDR_INFO | 254 | serv_addr_1 serv_addr_2 serv_addr_3 serv_addr_4 serv_city serv_state serv_postcode_1 serv_postcode_2 | EXTRACT_FIELD_36 |

The base product uses the following fields to populate the UDFs on the dimension:

- CHAR / premise "predefined" characteristic type code. The UDF is populated with the characteristic value and description for the premise (for the specified characteristic type).
- PROG / CI_PREM.CITY_UPR. The UDF is populated with the city name of the premise (in upper case). Note that both the UDF code and description are populated with the same value.
- PROG / CI_PREM.COUNTY. The UDF is populated with the county code of the premise. Note that both the UDF code and description are populated with the same value.
- PROG / CI_PREM.POSTAL. The UDF is populated with the postal code of the premise. Note that both the UDF code and description are populated with the same value.
- PROG / CI_PREM.STATE. The UDF is populated with the state code and description of the premise.
- PROG / CI_PREM.COUNTRY. The UDF is populated with the country code and description of the premise.
- PROG / CI_PREM.GEO_CD. The UDF is populated with the geographic code and description of the premise. Note that both the UDF code and description are populated with the same value.

NMS Extract Program: bi_customer_extractor

Extract Procedure: PR_BI_EXTOADDR

Modify View: EXTOADDR_MODIFY_V

Delete View: EXTOADDR_DELETE_V

Call Info Dimension

Properties

| Property | Value |
|-------------------------------|--------------------------------------|
| Load Table Name | CD_CALL_INFO |
| Table Type | Dimension |
| Source System Driver Table | INCIDENTS |
| Source System Extract Program | bi_event_extractor AND nrt_extractor |
| Stage Table Name | STG_CALL_INFO_EXT |
| Stage File Name | D_CALL_INFO_EXT |
| Control Table Name | STG_CALL_INFO_CTL_EXT |

| Property | Value |
|----------------------------|-----------------------|
| Control File name | D_CALL_INFO_EXT |
| Update Procedure Name | SPL_CALL_INFO_DEL_PRC |
| OWB Map Name | SPLMAP_D_CALL_INFO |
| OWB Work Flow Name | SPLWF_D_CALL_INFO |
| OWB Work Flow Package Name | DIM |
| Extract Procedure | PR_BI_EXTCINFO |
| Modify View Name | EXTCINFO_MODIFY_V |
| Delete View Name | EXTCINFO_DELETE_V |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|-----------------|--------|--|------------------|
| UPDATE_DTTM | 20 | LAST_UPDATE_TIME | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SRC_INCIDENT_ID | 10 | numb | EXTRACT_FIELD_01 |
| CALLER_NAME | 75 | customer_name | EXTRACT_FIELD_02 |
| PHONE_NBR | 32 | customer_phone | EXTRACT_FIELD_03 |
| COMPLAINT | 254 | complaint | EXTRACT_FIELD_04 |
| COMMENTS | 254 | op_comment | EXTRACT_FIELD_05 |
| UDF1_CD | 30 | active | EXTRACT_FIELD_06 |
| UDF1_DESCR | 60 | active | EXTRACT_FIELD_07 |
| UDF2_CD | 30 | complete | EXTRACT_FIELD_08 |
| UDF2_DESCR | 60 | complete | EXTRACT_FIELD_09 |
| UDF3_CD | 30 | complaint | EXTRACT_FIELD_10 |
| UDF3_DESCR | 60 | short_desc | EXTRACT_FIELD_11 |
| UDF4_CD | 30 | | EXTRACT_FIELD_12 |
| UDF4_DESCR | 60 | | EXTRACT_FIELD_13 |
| UDF5_CD | 30 | | EXTRACT_FIELD_14 |
| UDF5_DESCR | 60 | | EXTRACT_FIELD_15 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATO R' | |

Extract Procedure: PR_BI_EXTCINFO

Modify View: EXTCINFO_MODIFY_V

Delete View: EXTCINFO_DELETE_V

Crew Dimension

Properties

| Property | Value |
|-------------------------------|---------------------|
| Load Table Name | CD_CREW |
| Table Type | Dimension |
| Source System Driver Table | crews |
| Source System Extract Program | bi_common_extractor |
| Stage Table Name | STG_CREW_EXT |
| Stage File Name | D_CREW_EXT |
| Control Table Name | STG_CREW_CTL_EXT |
| Control File name | D_CREW_EXT |
| Update Procedure Name | SPL_CREW_UPD_PRC |
| OWB Map Name | SPLMAP_D_CREW |
| OWB Work Flow Name | SPLWF_D_CREW |
| OWB Work Flow Package Name | DIM |
| Extract Procedure | PR_BI_EXTOACCT |
| Modify View Name | EXTOCREW_MODIFY_V |
| Delete View Name | |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|-----------------|--------|--|------------------|
| UPDATE_DTTM | 20 | LAST_UPDATE_TIME | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| CREW_CD | 30 | crews.crew_key | EXTRACT_FIELD_01 |
| CREW_DESCR | 60 | crews.crew_name | EXTRACT_FIELD_02 |
| SRC_CREW_ID | 30 | crews.crew_id | EXTRACT_FIELD_03 |
| CREW_TYPE_CD | 30 | crews.crew_type | EXTRACT_FIELD_04 |
| CREW_TYPE_DESCR | 100 | crew_types.crew_type | EXTRACT_FIELD_05 |

| Extract Field | Length | Source | View Field |
|----------------------|---------------|--|-------------------|
| ORG_UNIT1_CD | 4 | | EXTRACT_FIELD_06 |
| ORG_UNIT1_DESCR | 100 | | EXTRACT_FIELD_07 |
| ORG_UNIT2_CD | 4 | | EXTRACT_FIELD_08 |
| ORG_UNIT3_DESCR | 100 | | EXTRACT_FIELD_09 |
| ORG_UNIT3_CD | 4 | | EXTRACT_FIELD_010 |
| ORG_UNIT3_DESCR | 100 | | EXTRACT_FIELD_11 |
| UDF1_CD | 30 | | EXTRACT_FIELD_12 |
| UDF1_DESCR | 60 | | EXTRACT_FIELD_13 |
| UDF2_CD | 30 | | EXTRACT_FIELD_14 |
| UDF2_DESCR | 60 | | EXTRACT_FIELD_15 |
| UDF3_CD | 30 | | EXTRACT_FIELD_16 |
| UDF3_DESCR | 60 | | EXTRACT_FIELD_17 |
| UDF4_CD | 30 | | EXTRACT_FIELD_18 |
| UDF4_DESCR | 60 | | EXTRACT_FIELD_19 |
| UDF5_CD | 30 | | EXTRACT_FIELD_20 |
| UDF5_DESCR | 60 | | EXTRACT_FIELD_21 |
| UDF6_CD | 30 | | EXTRACT_FIELD_22 |
| UDF6_DESCR | 60 | | EXTRACT_FIELD_23 |
| UDF7_CD | 30 | | EXTRACT_FIELD_24 |
| UDF7_DESCR | 60 | | EXTRACT_FIELD_25 |
| UDF8_CD | 30 | | EXTRACT_FIELD_26 |
| UDF8_DESCR | 60 | | EXTRACT_FIELD_27 |
| UDF9_CD | 30 | | EXTRACT_FIELD_28 |
| UDF9_DESCR | 60 | | EXTRACT_FIELD_29 |
| UDF10_CD | 30 | | EXTRACT_FIELD_30 |
| UDF10_DESCR | 60 | | EXTRACT_FIELD_31 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATO R' | |

The following fields are used to populate the UDFs on the dimension:

- SUPERVISOR_TITLE

NMS Extract Program: bi_common_extractor

Extract Procedure: PR_BI_EXTTOACCT

Modify View: EXTOCREW_MODIFY_V

Delete View: EXTOCREW_DELETE_V

Control Zone Dimension

Properties

| Property | Value |
|-------------------------------|---|
| Load Table Name | CD_CTRL_ZONE |
| Table Type | Dimension |
| Source System Driver Table | control_zone_structures, control_zones – Levels are determined by connecting Prior Child NCG ids with the Parent NCG ids: connect by prior child_ncg_id = parent_ncg_id |
| Source System Extract Program | bi_common_extractor |
| Stage Table Name | STG_CTRL_ZONE_EXT |
| Stage File Name | D_CTRL_ZONE_EXT |
| Control Table Name | STG_CTRL_ZONE_CTL_EXT |
| Control File name | D_CTRL_ZONE_EXT |
| Update Procedure Name | SPL_CTRL_ZONE_UPD_PRC |
| OWB Map Name | SPLMAP_D_CTRL_ZONE |
| OWB Work Flow Name | SPLWF_D_CTRL_ZONE |
| OWB Work Flow Package Name | DIM |
| Extract Procedure | PR_BI_EXTZONE |
| Modify View Name | EXTZONE_MODIFY_V |
| Delete View Name | EXTZONE_DELETE_V |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|----------------|--------|--|------------------|
| UPDATE_DTFM | 20 | SYSDATE | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SRC_NCG_ID | 10 | control_zones.ncg_id | EXTRACT_FIELD_01 |
| CTRL_ZONE_NAME | 60 | control_zones.name | EXTRACT_FIELD_02 |

| Extract Field | Length | Source | View Field |
|----------------------|---------------|--|-------------------|
| HIERARCHY_TYPE | 30 | 'CIR' | EXTRACT_FIELD_03 |
| UDF1_CD | 30 | Level 1 NCG_ID | EXTRACT_FIELD_04 |
| UDF1_DESCR | 60 | Level 1 Name | EXTRACT_FIELD_05 |
| UDF2_CD | 30 | Level 2 NCG_ID | EXTRACT_FIELD_06 |
| UDF2_DESCR | 60 | Level 2 Name | EXTRACT_FIELD_07 |
| UDF3_CD | 30 | Level 3 NCG_ID | EXTRACT_FIELD_08 |
| UDF3_DESCR | 60 | Level 3 Name | EXTRACT_FIELD_09 |
| UDF4_CD | 30 | Level 4 NCG_ID | EXTRACT_FIELD_10 |
| UDF4_DESCR | 60 | Level 4 Name | EXTRACT_FIELD_11 |
| UDF5_CD | 30 | Level 5 NCG_ID | EXTRACT_FIELD_12 |
| UDF5_DESCR | 60 | Level 5 Name | EXTRACT_FIELD_13 |
| UDF6_CD | 30 | Level 6 NCG_ID | EXTRACT_FIELD_14 |
| UDF6_DESCR | 60 | Level 6 Name | EXTRACT_FIELD_15 |
| UDF7_CD | 30 | | EXTRACT_FIELD_16 |
| UDF7_DESCR | 60 | | EXTRACT_FIELD_17 |
| UDF8_CD | 30 | | EXTRACT_FIELD_18 |
| UDF8_DESCR | 60 | | EXTRACT_FIELD_19 |
| UDF9_CD | 30 | | EXTRACT_FIELD_20 |
| UDF9_DESCR | 60 | | EXTRACT_FIELD_21 |
| UDF10_CD | 30 | | EXTRACT_FIELD_22 |
| UDF10_DESCR | 60 | | EXTRACT_FIELD_23 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATO R' | EXTRACT_FIELD_27 |

Extract Procedure: PR_BI_EXTZONE

Modify View: EXTZONE_MODIFY_V

Delete View: EXTZONE_DELETE_V

Device Dimension

Properties

| Property | Value |
|-------------------------------|---------------------|
| Load Table Name | CD_DEVICE |
| Table Type | Dimension |
| Source System Driver Table | network_components |
| Source System Extract Program | bi_common_extractor |
| Stage Table Name | STG_DEVICE_EXT |
| Stage File Name | D_DEVICE_EXT |
| Control Table Name | STG_DEVICE_CTL_EXT |
| Control File name | D_DEVICE_EXT |
| Update Procedure Name | SPL_DEVICE_UPD_PRC |
| OWB Map Name | SPLMAP_D_DEVICE |
| OWB Work Flow Name | SPLWF_D_DEVICE |
| OWB Work Flow Package Name | DIM |
| Extract Procedure | PR_BI_EXTOADDR |
| Modify View Name | EXTDEV_MODIFY_V |
| Delete View Name | EXTDEV_DELETE_V |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|--------------------|--------|--|------------------|
| UPDATE_DTTM | 20 | birth (for new records), death (for deleted records) | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SRC_DEVICE_CLS | 6 | h_cls | EXTRACT_FIELD_01 |
| SRC_DEVICE_IDX | 11 | h_idx | EXTRACT_FIELD_02 |
| DEVICE_NAME | 60 | name | EXTRACT_FIELD_03 |
| DEVICE_TYPE_CD | 30 | classes.c_type | EXTRACT_FIELD_05 |
| DEVICE_TYPE_DESCR | 60 | classes.c_type | EXTRACT_FIELD_06 |
| DEVICE_CLASS_CD | 30 | classes.c_name | EXTRACT_FIELD_07 |
| DEVICE_CLASS_DESCR | 60 | classes.c_desc | EXTRACT_FIELD_08 |
| UDF1_CD | 30 | control_zones.ncg_id | EXTRACT_FIELD_09 |

| Extract Field | Length | Source | View Field |
|----------------------|---------------|--|-------------------|
| UDF1_DESCR | 60 | control_zones.name | EXTRACT_FIELD_10 |
| UDF2_CD | 30 | | EXTRACT_FIELD_11 |
| UDF2_DESCR | 60 | | EXTRACT_FIELD_12 |
| UDF3_CD | 30 | | EXTRACT_FIELD_13 |
| UDF3_DESCR | 60 | | EXTRACT_FIELD_14 |
| UDF4_CD | 30 | | EXTRACT_FIELD_15 |
| UDF4_DESCR | 60 | | EXTRACT_FIELD_16 |
| UDF5_CD | 30 | | EXTRACT_FIELD_17 |
| UDF5_DESCR | 60 | | EXTRACT_FIELD_18 |
| UDF6_CD | 30 | | EXTRACT_FIELD_19 |
| UDF6_DESCR | 60 | | EXTRACT_FIELD_20 |
| UDF7_CD | 30 | | EXTRACT_FIELD_21 |
| UDF7_DESCR | 60 | | EXTRACT_FIELD_22 |
| UDF8_CD | 30 | | EXTRACT_FIELD_23 |
| UDF8_DESCR | 60 | | EXTRACT_FIELD_24 |
| UDF9_CD | 30 | | EXTRACT_FIELD_25 |
| UDF9_DESCR | 60 | | EXTRACT_FIELD_26 |
| UDF10_CD | 30 | | EXTRACT_FIELD_27 |
| UDF10_DESCR | 60 | | EXTRACT_FIELD_28 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATO R' | |

NMS Extract Program: bi_common_extractor

Extract Procedure: PR_BI_EXTDEV

Modify View: EXTDEV_MODIFY_V

Delete View: EXTDEV_DELETE_V

Event Dimension

Properties

| Property | Value |
|-------------------------------|--------------------------------------|
| Load Table Name | CD_EVENT |
| Table Type | Dimension |
| Source System Driver Table | jobs a, picklist_info_upd_tr b |
| Source System Extract Program | bi_event_extractor AND nrt_extractor |
| Stage Table Name | STG_EVENT_EXT |
| Stage File Name | D_EVENT_EXT |
| Control Table Name | STG_EVENT_CTL_EXT |
| Control File name | D_EVENT_EXT |
| Update Procedure Name | SPL_EVENT_DEL_PRC |
| OWB Map Name | SPLMAP_D_EVENT |
| OWB Work Flow Name | SPLWF_D_EVENT |
| OWB Work Flow Package Name | DIM |
| Extract Procedure | PR_BI_EXTJOB |
| Modify View Name | EXTJOB_MODIFY_V |
| Delete View Name | EXTJOB_DELETE_V |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|-------------------|--------|--|------------------|
| UPDATE_DTTM | 20 | greatest(a.last_update_time, NVL(b.last_update_time, a.last_update_time)) | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SRC_NBR | 60 | a.numb | EXTRACT_FIELD_01 |
| EVENT_NBR | 60 | a.event_idx | EXTRACT_FIELD_02 |
| EXCLUDE_REASON | 256 | b.dtr_text | EXTRACT_FIELD_03 |
| OPERATOR_COMMENT | 256 | a.operator_comment | EXTRACT_FIELD_04 |
| EVENT_STATE_CD | 30 | a.valid_state_key | EXTRACT_FIELD_05 |
| EVENT_STATE_DESCR | 60 | a.alarm_state | EXTRACT_FIELD_06 |
| X_COORDINATE | 20 | a.x_coord | EXTRACT_FIELD_07 |

| Extract Field | Length | Source | View Field |
|----------------------|---------------|---------------------|-------------------|
| Y_COORDINATE | 20 | a.y_coord | EXTRACT_FIELD_08 |
| FIRST_CALL_ADDR | 256 | a.addr_street | EXTRACT_FIELD_09 |
| REMEDY_CD | 32 | b.remedy_om | EXTRACT_FIELD_10 |
| TROUBLE_CD_LIST | 128 | a.trouble_code | EXTRACT_FIELD_11 |
| UDF1_CD | 30 | b.scheduled_dev_om | EXTRACT_FIELD_12 |
| UDF1_DESCR | 60 | b.scheduled_dev_om | EXTRACT_FIELD_13 |
| UDF2_CD | 30 | b.human_elem_om | EXTRACT_FIELD_14 |
| UDF2_DESCR | 60 | b.human_elem_om | EXTRACT_FIELD_15 |
| UDF3_CD | 30 | b.other_cause_om | EXTRACT_FIELD_16 |
| UDF3_DESCR | 60 | b.other_cause_om | EXTRACT_FIELD_17 |
| UDF4_CD | 30 | b.foreign_interf_om | EXTRACT_FIELD_18 |
| UDF4_DESCR | 60 | b.foreign_interf_om | EXTRACT_FIELD_19 |
| UDF5_CD | 30 | b.vegetation_om | EXTRACT_FIELD_20 |
| UDF5_DESCR | 60 | b.vegetation_om | EXTRACT_FIELD_21 |
| UDF6_CD | 30 | b.def equip_om | EXTRACT_FIELD_22 |
| UDF6_DESCR | 60 | b.def equip_om | EXTRACT_FIELD_23 |
| UDF7_CD | 30 | b.adv_envirion_om | EXTRACT_FIELD_24 |
| UDF7_DESCR | 60 | b.adv_envirion_om | EXTRACT_FIELD_25 |
| UDF8_CD | 30 | b.adv_weather_om | EXTRACT_FIELD_26 |
| UDF8_DESCR | 60 | b.adv_weather_om | EXTRACT_FIELD_27 |

| Extract Field | Length | Source | View Field |
|---------------|--------|---|------------------|
| UDF9_CD | 30 | RPAD(NVL(decode(decode(nvl(trim(scheduled_dev_om), 'Unselected'), 'Unplanned', 'Unselected', nvl(trim(scheduled_dev_om),'Unselected'), 'Unselected', decode(nvl(trim(human_elem_om), 'Unselected'), 'Unselected', decode(nvl(trim(other_cause_om), 'Unselected'), 'Unselected', decode(nvl(trim(foreign_interf_om), 'Unselected'), 'Unselected', decode(nvl(trim(vegetation_om), 'Unselected'), 'Unselected', decode(nvl(trim(def_equip_om), 'Unselected'), 'Unselected', decode(nvl(trim(adv_enviro_om), 'Unselected'), 'Unselected', decode(nvl(trim(adv_weather_om), 'Unselected'), 'Unselected', 'none', 'Weather'), 'Environment'), 'Defective Equipment'), 'Vegetation'), 'Foreign Interference'), 'Other'), 'Utility Error'), 'Scheduled'), ' '), 30) | EXTRACT_FIELD_28 |

| Extract Field | Length | Source | View Field |
|---------------|--------|---|------------------|
| UDF9_DESCR | 60 | RPAD(NVL(decode(decode(nvl(trim(scheduled_dev_om), 'Unselected'), 'Unplanned', 'Unselected', nvl(trim(scheduled_dev_om),'Unselected'), 'Unselected', decode(nvl(trim(human_elem_om), 'Unselected'), 'Unselected', decode(nvl(trim(other_cause_om), 'Unselected'), 'Unselected', decode(nvl(trim(foreign_interf_om), 'Unselected'), 'Unselected', decode(nvl(trim(vegetation_om), 'Unselected'), 'Unselected', decode(nvl(trim(def_equip_om), 'Unselected'), 'Unselected', decode(nvl(trim(adv_enviro_om), 'Unselected'), 'Unselected', decode(nvl(trim(adv_weather_om), 'Unselected'), 'Unselected', 'none', 'Weather'), 'Environment'), 'Defective Equipment'), 'Vegetation'), 'Foreign Interference'), 'Other'), 'Utility Error'), 'Scheduled'), ' '), 30) | EXTRACT_FIELD_29 |

| Extract Field | Length | Source | View Field |
|---------------|--------|--|------------------|
| UDF10_CD | 30 | <pre> RPAD(NVL(decode(decode(nvl(trim(scheduled_dev_om), 'Unselected'), 'Unplanned', 'Unselected', nvl(trim(scheduled_dev_om),'Unselected'), 'Unselected', decode(nvl(trim(human_elem_om), 'Unselected'), 'Unselected', decode(nvl(trim(other_cause_om), 'Unselected'), 'Unselected', decode(nvl(trim(foreign_interf_om), 'Unselected'), 'Unselected', decode(nvl(trim(vegetation_om), 'Unselected'), 'Unselected', decode(nvl(trim(def_equip_om), 'Unselected'), 'Unselected', decode(nvl(trim(adv_envir_om), 'Unselected'), 'Unselected', decode(nvl(trim(adv_weather_om), 'Unselected'), 'Unselected', 'none', trim(adv_weather_om)), trim(adv_envir_om)), trim(def_equip_om)), trim(vegetation_om)), trim(foreign_interf_om)), trim(other_cause_om)), trim(human_elem_om)), trim(scheduled_dev_om)), ' '), 30) </pre> | EXTRACT_FIELD_30 |

| Extract Field | Length | Source | View Field |
|---------------|--------|---|------------------|
| UDF10_DESCR | 60 | RPAD(NVL(decode(decode(nvl(trim(scheduled_dev_om), 'Unselected'), 'Unplanned', 'Unselected', nvl(trim(scheduled_dev_om),'Unselected'), 'Unselected', decode(nvl(trim(human_elem_om), 'Unselected'), 'Unselected', decode(nvl(trim(other_cause_om), 'Unselected'), 'Unselected', decode(nvl(trim(foreign_interf_om), 'Unselected'), 'Unselected', decode(nvl(trim(vegetation_om), 'Unselected'), 'Unselected', decode(nvl(trim(def_equip_om), 'Unselected'), 'Unselected', decode(nvl(trim(adv_envir_om), 'Unselected'), 'Unselected', decode(nvl(trim(adv_weather_om), 'Unselected'), 'Unselected', 'none', trim(adv_weather_om), trim(adv_envir_om), trim(def_equip_om), trim(vegetation_om), trim(foreign_interf_om), trim(other_cause_om), trim(human_elem_om), trim(scheduled_dev_om), ''), 30) | EXTRACT_FIELD_31 |
| UDF11_CD | 30 | b.remedy_om | EXTRACT_FIELD_32 |
| UDF11_DESCR | 60 | b.remedy_om | EXTRACT_FIELD_33 |
| UDF12_CD | 30 | | EXTRACT_FIELD_34 |
| UDF12_DESCR | 60 | | EXTRACT_FIELD_35 |
| UDF13_CD | 30 | | EXTRACT_FIELD_36 |
| UDF13_DESCR | 60 | | EXTRACT_FIELD_37 |
| UDF14_CD | 30 | | EXTRACT_FIELD_38 |
| UDF14_DESCR | 60 | | EXTRACT_FIELD_39 |
| UDF15_CD | 30 | fn_get_related_event(a.event_idx) | EXTRACT_FIELD_40 |
| UDF15_DESCR | 60 | fn_get_related_event(a.event_idx) | EXTRACT_FIELD_41 |
| UDF16_CD | 30 | | EXTRACT_FIELD_42 |
| UDF16_DESCR | 60 | | EXTRACT_FIELD_43 |

| Extract Field | Length | Source | View Field |
|----------------------|---------------|---------------|-------------------|
| UDF17_CD | 30 | | EXTRACT_FIELD_44 |
| UDF17_DESCR | 60 | | EXTRACT_FIELD_45 |
| UDF18_CD | 30 | | EXTRACT_FIELD_46 |
| UDF18_DESCR | 60 | | EXTRACT_FIELD_47 |
| UDF19_CD | 30 | | EXTRACT_FIELD_48 |
| UDF19_DESCR | 60 | | EXTRACT_FIELD_49 |
| UDF20_CD | 30 | | EXTRACT_FIELD_50 |
| UDF20_DESCR | 60 | | EXTRACT_FIELD_51 |
| UDF21_CD | 30 | | EXTRACT_FIELD_52 |
| UDF21_DESCR | 60 | | EXTRACT_FIELD_53 |
| UDF22_CD | 30 | | EXTRACT_FIELD_54 |
| UDF22_DESCR | 60 | | EXTRACT_FIELD_55 |
| UDF23_CD | 30 | | EXTRACT_FIELD_56 |
| UDF23_DESCR | 60 | | EXTRACT_FIELD_57 |
| UDF24_CD | 30 | | EXTRACT_FIELD_58 |
| UDF24_DESCR | 60 | | EXTRACT_FIELD_59 |
| UDF25_CD | 30 | | EXTRACT_FIELD_60 |
| UDF25_DESCR | 60 | | EXTRACT_FIELD_61 |
| UDF26_CD | 30 | | EXTRACT_FIELD_62 |
| UDF26_DESCR | 60 | | EXTRACT_FIELD_63 |
| UDF27_CD | 30 | | EXTRACT_FIELD_64 |
| UDF27_DESCR | 60 | | EXTRACT_FIELD_65 |
| UDF28_CD | 30 | | EXTRACT_FIELD_66 |
| UDF28_DESCR | 60 | | EXTRACT_FIELD_67 |
| UDF29_CD | 30 | | EXTRACT_FIELD_68 |
| UDF29_DESCR | 60 | | EXTRACT_FIELD_69 |
| UDF30_CD | 30 | | EXTRACT_FIELD_70 |
| UDF30_DESCR | 60 | | EXTRACT_FIELD_71 |
| UDF31_CD | 30 | | EXTRACT_FIELD_72 |
| UDF31_DESCR | 60 | | EXTRACT_FIELD_73 |
| UDF32_CD | 30 | | EXTRACT_FIELD_74 |
| UDF32_DESCR | 60 | | EXTRACT_FIELD_75 |
| UDF33_CD | 30 | | EXTRACT_FIELD_76 |

| Extract Field | Length | Source | View Field |
|-----------------|--------|--|------------------|
| UDF33_DESCR | 60 | | EXTRACT_FIELD_77 |
| UDF34_CD | 30 | | EXTRACT_FIELD_78 |
| UDF34_DESCR | 60 | | EXTRACT_FIELD_79 |
| UDF35_CD | 30 | | EXTRACT_FIELD_80 |
| UDF35_DESCR | 60 | | EXTRACT_FIELD_81 |
| UDF36_CD | 30 | | EXTRACT_FIELD_82 |
| UDF36_DESCR | 60 | | EXTRACT_FIELD_83 |
| UDF37_CD | 30 | | EXTRACT_FIELD_84 |
| UDF37_DESCR | 60 | | EXTRACT_FIELD_85 |
| UDF38_CD | 30 | | EXTRACT_FIELD_86 |
| UDF38_DESCR | 60 | | EXTRACT_FIELD_87 |
| UDF39_CD | 30 | | EXTRACT_FIELD_88 |
| UDF39_DESCR | 60 | | EXTRACT_FIELD_89 |
| UDF40_CD | 30 | | EXTRACT_FIELD_90 |
| UDF40_DESCR | 60 | | EXTRACT_FIELD_91 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATO R' | |

NMS Extract Program: bi_event_extractor AND nrt_extractor

Extract Procedure: PR_BI_EXTJOB

Modify View: EXTJOB_MODIFY_V

Delete View: EXTJOB_DELETE_V

Event Status Dimension

Properties

| Property | Value |
|-------------------------------|-----------------------------------|
| Load Table Name | CD_EVENT_STATUS |
| Table Type | Dimension |
| Source System Driver Table | te_statuses a, te_status_groups b |
| Source System Extract Program | bi_common_extractor |

| Property | Value |
|----------------------------|--------------------------|
| Stage Table Name | STG_EVENT_STATUS_EXT |
| Stage File Name | D_EVENT_STATUS_EXT |
| Control Table Name | STG_EVENT_STATUS_CTL_EXT |
| Control File name | D_EVENT_STATUS_EXT |
| Update Procedure Name | |
| OWB Map Name | SPLMAP_D_EVENT_STATUS |
| OWB Work Flow Name | SPLWF_D_EVENT_STATUS |
| OWB Work Flow Package Name | DIM |
| Extract Procedure | PR_BI_EXTESTAT |
| Modify View Name | EXTESTAT_MODIFY_V |
| Delete View Name | |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|--------------------|--------|--|------------------|
| UPDATE_D'TTM | 20 | sysdate - 1 | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SRC_STATUS | 10 | a.trans_status | EXTRACT_FIELD_01 |
| EVENT_STATUS_CD | 30 | a.description | EXTRACT_FIELD_02 |
| EVENT_STATUS_DESCR | 60 | a.description | EXTRACT_FIELD_03 |
| UDF1_CD | 30 | b.description | EXTRACT_FIELD_04 |
| UDF1_DESCR | 60 | b.description | EXTRACT_FIELD_05 |
| UDF2_CD | 30 | b.group_name | EXTRACT_FIELD_06 |
| UDF2_DESCR | 60 | b.group_name | EXTRACT_FIELD_07 |
| UDF3_CD | 30 | | EXTRACT_FIELD_08 |
| UDF3_DESCR | 60 | | EXTRACT_FIELD_09 |
| UDF4_CD | 30 | | EXTRACT_FIELD_10 |
| UDF4_DESCR | 60 | | EXTRACT_FIELD_11 |
| UDF5_CD | 30 | | EXTRACT_FIELD_12 |
| UDF5_DESCR | 60 | | EXTRACT_FIELD_13 |
| DATA_SOURCE_IND | 6 | | |

NMS Extract Program: bi_common_extractor

Extract Procedure: PR_BI_EXTESTAT

Modify View: EXTESTAT_MODIFY_V

Delete View: EXTESTAT_DELETE_V

Feeder Dimension

Properties

| Property | Value |
|-------------------------------|---------------------|
| Load Table Name | CD_FEEDER |
| Table Type | Dimension |
| Source System Driver Table | FEEDERS |
| Source System Extract Program | bi_feeder_extractor |
| Stage Table Name | STG_FEEDER_EXT |
| Stage File Name | D_FEEDER_EXT |
| Control Table Name | STG_FEEDER_CTL_EXT |
| Control File name | D_FEEDER_EXT |
| Update Procedure Name | SPL_FEEDER_UPD_PRC |
| OWB Map Name | SPLMAP_D_FEEDER |
| OWB Work Flow Name | SPLWF_D_FEEDER |
| OWB Work Flow Package Name | DIM2 |
| Extract Procedure | PR_BI_EXTFDR |
| Modify View Name | EXTFDR_MODIFY_V |
| Delete View Name | EXTFDR_DELETE_V |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|----------------|--------|---|------------------|
| UPDATE_DTTM | 20 | LAST_UPDATE_TIME | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SRC_FEEDER_CLS | 6 | H_CLS | EXTRACT_FIELD_01 |
| SRC_FEEDER_IDX | 11 | H_IDX | EXTRACT_FIELD_02 |
| FEEDER_NAME | 60 | NVL(feeder_name, '<' TO_CHAR(h_cls) '!' TO_CHAR(h_idx) '>') | EXTRACT_FIELD_03 |

| | | | |
|-----------------|----|--|------------------|
| SUBSTN_CD | 30 | SUBSTATION_NAME | EXTRACT_FIELD_04 |
| SUBSTN_DESCR | 60 | SUBSTATION_NAME | EXTRACT_FIELD_05 |
| UDF1_CD | 30 | | EXTRACT_FIELD_06 |
| UDF1_DESCR | 60 | | EXTRACT_FIELD_07 |
| UDF2_CD | 30 | | EXTRACT_FIELD_08 |
| UDF2_DESCR | 60 | | EXTRACT_FIELD_09 |
| UDF3_CD | 30 | | EXTRACT_FIELD_10 |
| UDF3_DESCR | 60 | | EXTRACT_FIELD_11 |
| UDF4_CD | 30 | | EXTRACT_FIELD_12 |
| UDF4_DESCR | 60 | | EXTRACT_FIELD_13 |
| UDF5_CD | 30 | | EXTRACT_FIELD_14 |
| UDF5_DESCR | 60 | | EXTRACT_FIELD_15 |
| UDF6_CD | 30 | | EXTRACT_FIELD_16 |
| UDF6_DESCR | 60 | | EXTRACT_FIELD_17 |
| UDF7_CD | 30 | | EXTRACT_FIELD_18 |
| UDF7_DESCR | 60 | | EXTRACT_FIELD_19 |
| UDF8_CD | 30 | | EXTRACT_FIELD_20 |
| UDF8_DESCR | 60 | | EXTRACT_FIELD_21 |
| UDF9_CD | 30 | | EXTRACT_FIELD_22 |
| UDF9_DESCR | 60 | | EXTRACT_FIELD_23 |
| UDF10_CD | 30 | | EXTRACT_FIELD_24 |
| UDF10_DESCR | 60 | | EXTRACT_FIELD_25 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATO R' | |

NMS Extract Program: bi_feeder_extractor

Extract Procedure: PR_BI_EXTFDR

Modify View: EXTFDR_MODIFY_V

Delete View: EXTFDR_DELETE_V

Meter Dimension

Properties

| Property | Value |
|-------------------------------|-----------------------|
| Load Table Name | CD_METER |
| Table Type | Dimension |
| Source System Driver Table | cu_meters |
| Source System Extract Program | bi_customer_extractor |
| Stage Table Name | STG_METER_EXT |
| Stage File Name | D_METER_EXT |
| Control Table Name | STG_METER_CTL_EXT |
| Control File name | D_METER_EXT |
| Update Procedure Name | SPL_METER_UPD_PRC |
| OWB Map Name | SPLMAP_D_METER |
| OWB Work Flow Name | SPLWF_D_METER |
| OWB Work Flow Package Name | DIM |
| Extract Procedure | PR_BI_EXTOMTR |
| Modify View Name | EXTOMTR_MODIFY_V |
| Delete View Name | EXTOMTR_DELETE_V |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|----------------|--------|--|------------------|
| UPDATE_DTTM | 20 | LAST_UPDATE_TIME | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SRC_METER_ID | 30 | meter_id | EXTRACT_FIELD_01 |
| UDF1_CD | 30 | meter_type | EXTRACT_FIELD_02 |
| UDF1_DESCR | 60 | meter_type | EXTRACT_FIELD_03 |
| UDF2_CD | 30 | | EXTRACT_FIELD_04 |
| UDF2_DESCR | 60 | | EXTRACT_FIELD_05 |
| UDF3_CD | 30 | | EXTRACT_FIELD_06 |
| UDF3_DESCR | 60 | | EXTRACT_FIELD_07 |
| UDF4_CD | 30 | | EXTRACT_FIELD_08 |
| UDF4_DESCR | 60 | | EXTRACT_FIELD_09 |

| Extract Field | Length | Source | View Field |
|-----------------|--------|--|------------------|
| UDF5_CD | 30 | | EXTRACT_FIELD_10 |
| UDF5_DESCR | 60 | | EXTRACT_FIELD_11 |
| METER_INFO | 254 | meter_no | EXTRACT_FIELD_22 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR' | |

NMS Extract Program: bi_customer_extractor

Extract Procedure: PR_BI_EXTOMTR

Modify View: EXTOMTR_MODIFY_V

Delete View: EXTOMTR_DELETE_V

Person Dimension

Properties

| Property | Value |
|-------------------------------|-----------------------|
| Load Table Name | CD_PER |
| Table Type | Dimension |
| Source System Driver Table | cu_customers |
| Source System Extract Program | bi_customer_extractor |
| Stage Table Name | STG_PER_EXT |
| Stage File Name | D_PER_EXT |
| Control Table Name | STG_PER_CTL_EXT |
| Control File name | D_PER_EXT |
| Update Procedure Name | SPL_PER_UPD_PRC |
| OWB Map Name | SPLMAP_D_PER |
| OWB Work Flow Name | SPLWF_D_PER |
| OWB Work Flow Package Name | DIM |
| Extract Procedure | PR_BI_EXTOPER |
| Modify View Name | EXTOPER_MODIFY_V |
| Delete View Name | EXTOPER_DELETE_V |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|----------------------|---------------|--|-------------------|
| UPDATE_DTTM | 20 | LAST_UPDATE_TIME | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| PERSON_ID | 30 | cust_id | EXTRACT_FIELD_01 |
| NAME | 64 | cust_name | EXTRACT_FIELD_02 |
| PHONE | 30 | cust_home_ac cust_home_phone | EXTRACT_FIELD_03 |
| BUSINESS_IND | 1 | '0' | EXTRACT_FIELD_04 |
| UDF1_CD | 30 | | EXTRACT_FIELD_05 |
| UDF1_DESCR | 60 | | EXTRACT_FIELD_06 |
| UDF2_CD | 30 | | EXTRACT_FIELD_07 |
| UDF2_DESCR | 60 | | EXTRACT_FIELD_08 |
| UDF3_CD | 30 | | EXTRACT_FIELD_09 |
| UDF3_DESCR | 60 | | EXTRACT_FIELD_10 |
| UDF4_CD | 30 | | EXTRACT_FIELD_11 |
| UDF4_DESCR | 60 | | EXTRACT_FIELD_12 |
| UDF5_CD | 30 | | EXTRACT_FIELD_13 |
| UDF5_DESCR | 60 | | EXTRACT_FIELD_14 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR' | |
| PER_INFO | 254 | cust_name | EXTRACT_FIELD_25 |

The following parameters can be supplied to populate the UDFs on the dimension:

- CHAR / person characteristic type code. The UDF is populated with the characteristic value of the person and the description of their characteristic value (for the specified characteristic type).
- PROG / CI_PER.LS_SL_FLAG. The UDF is populated with the Life Support/Sensitive Load flag of the person and lookup description of the Life Support/Sensitive Load flag.

NMS Extract Program: bi_customer_extractor

Extract Procedure: PR_BI_EXTOPER

Modify View: EXTOPER_MODIFY_V

Delete View: EXTOPER_DELETE_V

Phase Dimension

Properties

| Property | Value |
|-------------------------------|---------------------|
| Load Table Name | CD_PHASE |
| Table Type | Dimension |
| Source System Driver Table | phase_bitmap_lookup |
| Source System Extract Program | bi_feeder_extractor |
| Stage Table Name | STG_PHASE_EXT |
| Stage File Name | D_PHASE_EXT |
| Control Table Name | STG_PHASE_CTL_EXT |
| Control File name | D_PHASE_EXT |
| Update Procedure Name | SPL_PHASE_UPD_PRC |
| OWB Map Name | SPLMAP_D_PHASE |
| OWB Work Flow Name | SPLWF_D_PHASE |
| OWB Work Flow Package Name | DIM2 |
| Extract Procedure | PR_BI_EXTPHASE |
| Modify View Name | EXTPHASE_MODIFY_V |
| Delete View Name | |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|----------------|--------|--|------------------|
| UPDATE_DTTM | 20 | LAST_UPDATE_TIME | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SRC_PHASE_ID | 6 | phase_bits | EXTRACT_FIELD_01 |
| PHASE_CD | 30 | phase_string | EXTRACT_FIELD_02 |
| PHASE_DESCR | 60 | phase_string | EXTRACT_FIELD_03 |
| UDF1_CD | 30 | | EXTRACT_FIELD_04 |
| UDF1_DESCR | 60 | | EXTRACT_FIELD_05 |
| UDF2_CD | 30 | | EXTRACT_FIELD_06 |
| UDF2_DESCR | 60 | | EXTRACT_FIELD_07 |

| Extract Field | Length | Source | View Field |
|-----------------|--------|--|------------|
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR' | |

NMS Extract Program: bi_feeder_extractor

Extract Procedure: PR_BI_EXTPHASE

Modify View: EXTPHASE_MODIFY_V

Delete View: none

Premise Dimension

Properties

| Property | Value |
|-------------------------------|-----------------------|
| Load Table Name | CD_PREM |
| Table Type | Dimension |
| Source System Driver Table | CU_SERVICE_LOCATIONS |
| Source System Extract Program | bi_customer_extractor |
| Stage Table Name | STG_PREM_EXT |
| Stage File Name | D_PREM_EXT |
| Control Table Name | STG_PREM_CTL_EXT |
| Control File name | D_PREM_EXT |
| Update Procedure Name | SPL_PREM_UPD_PRC |
| OWB Map Name | SPLMAP_D_PREM |
| OWB Work Flow Name | SPLWF_D_PREM |
| OWB Work Flow Package Name | DIM |
| Extract Procedure | PR_BI_EXTOPREM |
| Modify View Name | EXTOPREM_MODIFY_V |
| Delete View Name | EXTOPREM_DELETE_V |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|----------------------|---------------|--|-------------------|
| UPDATE_DTTM | 20 | LAST_UPDATE_TIME | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SRC_PREM_ID | 30 | serv_loc_id | EXTRACT_FIELD_01 |
| UDF1_CD | 30 | | EXTRACT_FIELD_02 |
| UDF1_DESCR | 60 | | EXTRACT_FIELD_03 |
| UDF2_CD | 30 | serv_type | EXTRACT_FIELD_04 |
| UDF2_DESCR | 60 | serv_type | EXTRACT_FIELD_05 |
| UDF3_CD | 30 | serv_life_support | EXTRACT_FIELD_06 |
| UDF3_DESCR | 60 | serv_life_support | EXTRACT_FIELD_07 |
| UDF4_CD | 30 | | EXTRACT_FIELD_08 |
| UDF4_DESCR | 60 | | EXTRACT_FIELD_09 |
| UDF5_CD | 30 | | EXTRACT_FIELD_10 |
| UDF5_DESCR | 60 | | EXTRACT_FIELD_11 |
| UDF6_CD | 30 | serv_c_priority | EXTRACT_FIELD_12 |
| UDF6_DESCR | 60 | DECODE(NVL(serv_c_priority, 0), 1, 'Critical', 'Non-Critical') | EXTRACT_FIELD_13 |
| UDF7_CD | 30 | serv_d_priority | EXTRACT_FIELD_14 |
| UDF7_DESCR | 60 | DECODE(NVL(serv_d_priority, 0), 1, 'Medical', 'Non-Medical') | EXTRACT_FIELD_15 |
| UDF8_CD | 30 | serv_k_priority | EXTRACT_FIELD_16 |
| UDF8_DESCR | 60 | DECODE(NVL(serv_k_priority, 0), 1, 'Key', 'Non-Key') | EXTRACT_FIELD_17 |
| UDF9_CD | 30 | | EXTRACT_FIELD_18 |
| UDF9_DESCR | 60 | | EXTRACT_FIELD_19 |
| UDF10_CD | 30 | | EXTRACT_FIELD_20 |
| UDF10_DESCR | 60 | | EXTRACT_FIELD_21 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR' | |
| PREM_INFO | 254 | serv_loc_id | EXTRACT_FIELD_22 |

The base product uses the following fields to populate the UDFs on the dimension:

- CHAR / premise characteristic type code. The UDF is populated with the characteristic value of the premise and the description of the characteristic value (for the specified characteristic type).
- PROG / CI_PREM.CIS_DIVISION. The UDF is populated with the division code and division description of the premise.
- PROG / CI_PREM.PREM_TYPE_CD. The UDF is populated with the premise type code and description of the premise.
- PROG / CI_PREM.LS_SL_FLG. The UDF is populated with the Life Support/Sensitive Load flag of the premise and the Premise Life Support/Sensitive Load flag lookup description.
- PROG / CI_PREM.TREND_AREA_CD. The UDF is populated with the trend area code and description of the premise.
- PROG / CI_PREM.IN_CITY_LIMIT. The UDF is populated with premises in the city limit switch. Note that both the UDF code and description are populated with the same value.

NMS Extract Program: bi_customer_extractor

Extract Procedure: PR_BI_EXTOPREM

Modify View: EXTOPREM_MODIFY_V

Delete View: EXTOPREM_DELETE_V

Supply Node Lookup Dimension

Properties

| Property | Value |
|-------------------------------|---|
| Load Table Name | CD_SNL |
| Table Type | Dimension |
| Source System Driver Table | cu_service_points a, supply_nodes b, cu_service_locations c, customer_edit_view ce |
| Source System Extract Program | bi_customer_extractor |
| Stage Table Name | STG_SNL_EXT |
| Stage File Name | D_SNL_EXT |
| Control Table Name | STG_SNL_CTL_EXT |
| Control File name | D_SNL_EXT |
| Update Procedure Name | SPL_SNL_UPD_PRC |
| OWB Map Name | SPLMAP_D_SNL |
| OWB Work Flow Name | SPLWF_D_SNL |
| OWB Work Flow Package Name | DIM |
| Extract Procedure | PR_BI_EXTCSP |

| Property | Value |
|------------------|-----------------|
| Modify View Name | EXTCSP_MODIFY_V |
| Delete View Name | EXTCSP_DELETE_V |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|-----------------|--------|--|------------------|
| UPDATE_D'TM | 20 | GREATEST(NVL(ce.edit_time, a.last_update_time), b.birth, c.last_update_time) | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SRC_PERSON_ID | 30 | a.cust_id | EXTRACT_FIELD_01 |
| SRC_PREMISE_ID | 30 | a.serv_loc_id | EXTRACT_FIELD_02 |
| SRC_ADDR_ID | 30 | a.serv_loc_id | EXTRACT_FIELD_03 |
| SRC_METER_ID | 30 | a.meter_id | EXTRACT_FIELD_04 |
| SRC_ACCOUNT_ID | 30 | c.serv_account_number | EXTRACT_FIELD_05 |
| DEVICE_ID | 60 | NVL(ce.device_id, b.device_id) | EXTRACT_FIELD_06 |
| FEEDER_ID | 30 | NVL(ce.feeder, b.feeder) | EXTRACT_FIELD_07 |
| NCG_ID | 11 | b.ncg | EXTRACT_FIELD_08 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATO R' | |

NMS Extract Program: bi_customer_extractor

Extract Procedure: PR_BI_EXTCSP

Modify View: EXTCSP_MODIFY_V

Delete View: EXTCSP_DELETE_V

Storm Dimension

Properties

| Property | Value |
|-----------------|-----------|
| Load Table Name | CD_STORM |
| Table Type | Dimension |

| Property | Value |
|-------------------------------|--|
| Source System Driver Table | stormman_storms ss, stormman_storm_types sst |
| Source System Extract Program | bi_event_extractor and nrt_extractor |
| Stage Table Name | STG_STORM_EXT |
| Stage File Name | D_STORM_EXT |
| Control Table Name | STG_STORM_CTL_EXT |
| Control File name | D_STORM_EXT |
| Update Procedure Name | |
| OWB Map Name | SPLMAP_D_STORM |
| OWB Work Flow Name | SPLWF_D_STORM |
| OWB Work Flow Package Name | DIM2 |
| Extract Procedure | PR_BI_EXTSTORM |
| Modify View Name | EXTSTORM_MODIFY_V |
| Delete View Name | EXTSTORM_DELETE_V |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|------------------------|--------|--|------------------|
| UPDATE_DTTM | 20 | Last_update_time | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SRC_STORM_NAME | 32 | ss.storm_name | EXTRACT_FIELD_01 |
| SRC_STORM_NAME_SF X | 32 | ss.storm_date | EXTRACT_FIELD_02 |
| STORM_TYPE_CD | 30 | ss.storm_type | EXTRACT_FIELD_03 |
| STORM_TYPE_DESCR | 60 | sst.storm_type_name | EXTRACT_FIELD_04 |
| STORM_LEVEL_CD | 30 | ss.storm_level | EXTRACT_FIELD_05 |
| STORM_LEVEL_DESCR | 60 | ss.storm_level | EXTRACT_FIELD_06 |
| STORM_START_DTTM | 20 | min(storm_start) | EXTRACT_FIELD_07 |
| STORM_END_DTTM | 20 | max(.storm_start) | EXTRACT_FIELD_08 |
| UDF1_CD | 30 | min(storm_start) | EXTRACT_FIELD_09 |
| UDF1_DESCR | 60 | min(storm_start) | EXTRACT_FIELD_10 |
| UDF2_CD | 30 | max(.storm_start) | EXTRACT_FIELD_11 |
| UDF2_DESCR | 60 | max(.storm_start) | EXTRACT_FIELD_12 |

| Extract Field | Length | Source | View Field |
|-----------------|--------|--|------------------|
| UDF3_CD | 30 | | EXTRACT_FIELD_13 |
| UDF3_DESCR | 60 | | EXTRACT_FIELD_14 |
| UDF4_CD | 30 | | EXTRACT_FIELD_15 |
| UDF4_DESCR | 60 | | EXTRACT_FIELD_16 |
| UDF5_CD | 30 | | EXTRACT_FIELD_17 |
| UDF5_DESCR | 60 | | EXTRACT_FIELD_18 |
| UDF6_CD | 30 | | EXTRACT_FIELD_19 |
| UDF6_DESCR | 60 | | EXTRACT_FIELD_20 |
| UDF7_CD | 30 | | EXTRACT_FIELD_21 |
| UDF7_DESCR | 60 | | EXTRACT_FIELD_22 |
| UDF8_CD | 30 | | EXTRACT_FIELD_23 |
| UDF8_DESCR | 60 | | EXTRACT_FIELD_24 |
| UDF9_CD | 30 | | EXTRACT_FIELD_25 |
| UDF9_DESCR | 60 | | EXTRACT_FIELD_26 |
| UDF10_CD | 30 | | EXTRACT_FIELD_27 |
| UDF10_DESCR | 60 | | EXTRACT_FIELD_28 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATO R' | |

NMS Extract Program: bi_event_extractor and nrt_extractor

Extract Procedure: PR_BI_EXTSTORM

Modify View: EXTSTORM_MODIFY_V

Delete View: EXTSTORM_DELETE_V

Storm Outage Type Dimension

Properties

| Property | Value |
|----------------------------|-----------------------|
| Load Table Name | CD_STORM_OUTAGE_TYPE |
| Table Type | Dimension |
| Source System Driver Table | stormman_outage_types |

| Property | Value |
|-------------------------------|--|
| Source System Extract Program | bi_common_extractor and bi_event_extractor |
| Stage Table Name | STG_STORM_OUTAGE_TYPE_EXT |
| Stage File Name | D_STORM_OUTAGE_TYPE_EXT |
| Control Table Name | STG_STORM_OUTAGE_TYPE_CTL_EXT |
| Control File name | D_STORM_OUTAGE_TYPE_EXT |
| Update Procedure Name | |
| OWB Map Name | SPLMAP_D_STORM_OUTAGE_TYPE |
| OWB Work Flow Name | SPLWF_D_STORM_OUTAGE_TYPE |
| OWB Work Flow Package Name | DIM2 |
| Extract Procedure | PR_BI_EXTSTORMOT |
| Modify View Name | EXTSTORMOT_MODIFY_V |
| Delete View Name | |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|-------------------|--------|--|------------------|
| UPDATE_DTTM | 20 | sysdate - 1 | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SRC_OUTAGE_TYPE | 5 | outage_type | EXTRACT_FIELD_01 |
| OUTAGE_TYPE_CD | 30 | outage_type | EXTRACT_FIELD_02 |
| OUTAGE_TYPE_DESCR | 60 | outage_type_name | EXTRACT_FIELD_03 |
| UDF1_CD | 30 | | EXTRACT_FIELD_04 |
| UDF1_DESCR | 60 | | EXTRACT_FIELD_05 |
| UDF2_CD | 30 | | EXTRACT_FIELD_06 |
| UDF2_DESCR | 60 | | EXTRACT_FIELD_07 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATO R' | |

NMS Extract Program: bi_common_extractor and bi_event_extractor

Extract Procedure: PR_BI_EXTSTORMOT

Modify View: EXTSTORMOT_MODIFY_V

Delete View: none

Switch Plan Dimension

Properties

| Property | Value |
|-------------------------------|---------------------|
| Load Table Name | CD_SW_PLAN |
| Table Type | Dimension |
| Source System Driver Table | swman_sheets |
| Source System Extract Program | bi_switch_extractor |
| Stage Table Name | STG_SW_PLAN_EXT |
| Stage File Name | D_SW_PLAN_EXT |
| Control Table Name | STG_SW_PLAN_CTL_EXT |
| Control File name | D_SW_PLAN_EXT |
| Update Procedure Name | |
| OWB Map Name | SPLMAP_D_SW_PLAN |
| OWB Work Flow Name | SPLWF_D_SW_PLAN |
| OWB Work Flow Package Name | DIM2 |
| Extract Procedure | PR_BI_EXTSWSD |
| Modify View Name | EXTSWSD_MODIFY_V |
| Delete View Name | EXTSWSD_DELETE_V |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|-----------------|--------|--|------------------|
| UPDATE_DTTM | 20 | Last_update_time | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SRC_SW_PLAN_CLS | 6 | swman_sheet_cls | EXTRACT_FIELD_01 |
| SRC_SW_PLAN_IDX | 11 | switch_sheet_idx | EXTRACT_FIELD_02 |
| UDF1_CD | 30 | | EXTRACT_FIELD_03 |
| UDF1_DESCR | 60 | | EXTRACT_FIELD_04 |
| UDF2_CD | 30 | | EXTRACT_FIELD_05 |
| UDF2_DESCR | 60 | | EXTRACT_FIELD_06 |
| UDF3_CD | 30 | | EXTRACT_FIELD_07 |
| UDF3_DESCR | 60 | | EXTRACT_FIELD_08 |
| UDF4_CD | 30 | | EXTRACT_FIELD_09 |

| Extract Field | Length | Source | View Field |
|-----------------|--------|--|------------------|
| UDF4_DESCR | 60 | | EXTRACT_FIELD_10 |
| UDF5_CD | 30 | | EXTRACT_FIELD_11 |
| UDF5_DESCR | 60 | | EXTRACT_FIELD_12 |
| UDF6_CD | 30 | | EXTRACT_FIELD_13 |
| UDF6_DESCR | 60 | | EXTRACT_FIELD_14 |
| UDF7_CD | 30 | | EXTRACT_FIELD_15 |
| UDF7_DESCR | 60 | | EXTRACT_FIELD_16 |
| UDF8_CD | 30 | | EXTRACT_FIELD_17 |
| UDF8_DESCR | 60 | | EXTRACT_FIELD_18 |
| UDF9_CD | 30 | | EXTRACT_FIELD_19 |
| UDF9_DESCR | 60 | | EXTRACT_FIELD_20 |
| UDF10_CD | 30 | | EXTRACT_FIELD_21 |
| UDF10_DESCR | 60 | | EXTRACT_FIELD_22 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATO R' | |

NMS Extract Program: bi_switch_extractor

Extract Procedure: PR_BI_EXTSWSD

Modify View: EXTSWSD_MODIFY_V

Delete View: EXTSWSD_DELETE_V

Switch Plan State Dimension

Properties

| Property | Value |
|-------------------------------|-----------------------|
| Load Table Name | CD_SW_PLAN_STATE |
| Table Type | Dimension |
| Source System Driver Table | te_valid_states |
| Source System Extract Program | bi_switch_extractor |
| Stage Table Name | STG_SW_PLAN_STATE_EXT |
| Stage File Name | STG_SW_PLAN_STATE_EXT |

| Property | Value |
|----------------------------|--------------------------|
| Control Table Name | STG_SW_PLAN_STATE_EXT |
| Control File name | D_SW_PLAN_STATE_EXT |
| Update Procedure Name | |
| OWB Map Name | D_SW_PLAN_STATE_EXT |
| OWB Work Flow Name | SPLWF_D_SW_PLAN_STATE |
| OWB Work Flow Package Name | DIM2 |
| Extract Procedure | PR_BI_EXTVALST |
| Modify View Name | EXTVALID_STATES_MODIFY_V |
| Delete View Name | |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|-----------------|--------|--|------------------|
| UPDATE_DTTM | 20 | sysdate - 1 | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SRC_STATE_KEY | 5 | state_key | EXTRACT_FIELD_01 |
| STATE_CD | 30 | state_name | EXTRACT_FIELD_02 |
| STATE_DESCR | 60 | description | EXTRACT_FIELD_03 |
| UDF1_CD | 30 | | EXTRACT_FIELD_04 |
| UDF1_DESCR | 60 | | EXTRACT_FIELD_05 |
| UDF2_CD | 30 | | EXTRACT_FIELD_06 |
| UDF2_DESCR | 60 | | EXTRACT_FIELD_07 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATO R' | |

NMS Extract Program: bi_switch_extractor

Extract Procedure: PR_BI_EXTVALST

Modify View: EXTVALID_STATES_MODIFY_V

Delete View: none

User Dimension

Properties

| Property | Value |
|-------------------------------|---------------------|
| Load Table Name | CD_USER |
| Table Type | Fact |
| Source System Driver Table | ces_user |
| Source System Extract Program | bi_common_extractor |
| Stage Table Name | STG_USER_EXT |
| Stage File Name | D_USER_EXT |
| Control Table Name | STG_USER_CTL_EXT |
| Control File name | D_USER_EXT |
| Update Procedure Name | SPL_USER_UPD_PRC |
| OWB Map Name | SPLMAP_D_USER |
| OWB Work Flow Name | SPLWF_D_USER |
| OWB Work Flow Package Name | DIM |
| Extract Procedure | PR_BI_EXTOUSER |
| Modify View Name | EXTOUSER_MODIFY_V |
| Delete View Name | EXTOUSER_DELETE_V |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|----------------|--------|--|------------------|
| UPDATE_DT_TM | 20 | LAST_UPDATE_TIME | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SOURCE_USER_ID | 16 | user_name | EXTRACT_FIELD_01 |
| USER_NAME | 60 | full_name | EXTRACT_FIELD_02 |
| UDF1_CD | 30 | | EXTRACT_FIELD_10 |
| UDF1_DESCR | 60 | | EXTRACT_FIELD_11 |
| UDF2_CD | 30 | | EXTRACT_FIELD_20 |
| UDF2_DESCR | 60 | | EXTRACT_FIELD_21 |
| UDF3_CD | 30 | | EXTRACT_FIELD_30 |
| UDF3_DESCR | 60 | | EXTRACT_FIELD_31 |
| UDF4_CD | 30 | | EXTRACT_FIELD_40 |

| Extract Field | Length | Source | View Field |
|----------------------|---------------|--|-------------------|
| UDF4_DESCR | 60 | | EXTRACT_FIELD_41 |
| UDF5_CD | 30 | | EXTRACT_FIELD_50 |
| UDF5_DESCR | 60 | | EXTRACT_FIELD_51 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATO R' | |

The UDF parameters are used to define if and how the UDFs on this dimension should be populated. No predefined list of fields is supported by this extract. However, you can introduce user exit logic to the extract program if you wish to populate your own UDFs on this dimension.

NMS Extract Program: bi_common_extractor

Extract Procedure: PR_BI_EXTOUSER

Modify View: EXTOUSER_MODIFY_V

Delete View: EXTOUSER_DELETE_V

Fact Extract Programs

Feeder Delivered Load Snapshot Fact (NMS)

Properties

| Property | Value |
|-------------------------------|--|
| Load Table Name | CF_FEEDER_DLVRD_LOAD |
| Table Type | Fact |
| Source System Driver Table | flm_fdr_load flm, pf_switches p, network_components n |
| Source System Extract Program | bi_feeder_extractor |
| Stage Table Name | STG_FEEDER_DLVRD_LOAD_EXT |
| Stage File Name | F_FEEDER_DLVRD_LOAD_EXT |
| Control Table Name | STG_FEEDER_DLVRD_LOAD_CTL_EXT |
| Control File name | F_FEEDER_DLVRD_LOAD_EXT |
| Update Procedure Name | SPL_FEEDER_DLVRD_LOAD_UPD_PRC |
| OWB Map Name | SPLMAP_F_FEEDER_DLVRD_LOAD |
| OWB Work Flow Name | SPLWF_F_FEEDER_DLVRD_LOAD |
| OWB Work Flow Package Name | FACT |
| Extract Procedure | PR_BI_EXTFDRLD |
| Modify View Name | EXTFDRLD_MODIFY_V |
| Delete View Name | |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|---------------------|--------|--|------------------|
| UPDATE_DTTM | 20 | flm.analysis_date | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SRC_FEEDER_CLS | 6 | flm.fdr_cls | EXTRACT_FIELD_01 |
| SRC_FEEDER_IDX | 11 | flm.fdr_idx | EXTRACT_FIELD_02 |
| SRC_DTTM | 20 | flm.analysis_date | EXTRACT_FIELD_03 |
| SRC_PHASE_ID | 6 | 1, 2, 4 or 7 | EXTRACT_FIELD_04 |
| SRC_NCG_ID | 10 | n.ncg | EXTRACT_FIELD_05 |
| BRKR_SRC_DEVICE_CLS | 6 | flm.cb_cls | EXTRACT_FIELD_06 |
| BRKR_SRC_DEVICE_IDX | 11 | flm.cb_idx | EXTRACT_FIELD_07 |

| Extract Field | Length | Source | View Field |
|---------------------------|--------|---|------------------|
| SUBSTN_SRC_DEVICE_C LS | 6 | flm.cb_cls | EXTRACT_FIELD_08 |
| SUBSTN_SRC_DEVICE_ID X | 11 | flm.cb_idx | EXTRACT_FIELD_09 |
| SNAPSHOT_DATE | 8 | flm.analysis_date | EXTRACT_FIELD_10 |
| SNAPSHOT_TIME | 8 | flm.analysis_date | EXTRACT_FIELD_10 |
| BRKR_AMP_LIMIT | 20 | pf_switches.amp_limit | EXTRACT_FIELD_11 |
| AMP | 20 | flm.amp_a | EXTRACT_FIELD_12 |
| KW | 20 | flm.kw_a | EXTRACT_FIELD_13 |
| KVAR | 20 | flm.kvar_a | EXTRACT_FIELD_14 |
| KVA | 20 | SQRT(POWER(flm.kw_a, 2) + POWER(flm.kvar_a, 2)) | EXTRACT_FIELD_15 |
| VOLTAGE | 20 | flm.kv_a * 1000.0 | EXTRACT_FIELD_16 |
| POWER_FACTOR | 20 | flm.kw_a/DECODE(flm.kw_a, 0, 1, SQRT(POWER(flm.kw_a, 2) + POWER(flm.kvar_a, 2)) | EXTRACT_FIELD_17 |
| UDD1_CD | 16 | | EXTRACT_FIELD_18 |
| UDD2_CD | 16 | | EXTRACT_FIELD_19 |
| UDM1 | 20 | | EXTRACT_FIELD_20 |
| UDM2 | 20 | | EXTRACT_FIELD_21 |
| UDM3 | 20 | | EXTRACT_FIELD_22 |
| UDM4 | 20 | | EXTRACT_FIELD_23 |
| UDM5 | 20 | | EXTRACT_FIELD_23 |
| UDDGEN1 | 8 | 'Phase' for Phases 1, 2 and 4, 'Feeder' for Phase 7 | EXTRACT_FIELD_24 |
| UDDGEN2 | 8 | | EXTRACT_FIELD_25 |
| UDDGEN3 | 8 | | EXTRACT_FIELD_26 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATO R' | |

Extract Procedure: PR_BI_EXTFDRLD

Modify View: EXTFDRLD_MODIFY_V

Delete View: none

This extracts the feeder delivered load information from Oracle Utilities Network Management System.

The following "hard" measures are populated by the extract:

- BRKR_AMP_LIMIT. Breaker Amp Limit.
- AMP. Amp - Phase A, B and C.
- KW. KW - Phase A, B and C.
- KVAR. KVAR - Phase A, B and C.
- KVA. KVA - Phase A, B and C.
- VOLTAGE. Voltage - Phase A, B and C.
- POWER_FACTOR. Power Factor - Phase A, B and C.
- FACT_CNT. This always contains the value of 1 (use this measure when you need to count the number of facts). It is populated by the load process and is not part of the extract file.

Recent Call Fact (NMS)

Properties

| Property | Value |
|-------------------------------|-------------------------|
| Load Table Name | CF_RECENT_CALL |
| Table Type | Fact |
| Source System Driver Table | incidents I, jobs j |
| Source System Extract Program | nrt_extractor |
| Stage Table Name | STG_RECENT_CALL_EXT |
| Stage File Name | F_RECENT_CALL_EXT |
| Control Table Name | STG_RECENT_CALL_CTL_EXT |
| Control File name | F_RECENT_CALL_EXT |
| Update Procedure Name | SPL_RECENT_CALL_DEL_PRC |
| OWB Map Name | SPLMAP_F_RECENT_CALL |
| OWB Work Flow Name | SPLWF_F_RECENT_CALL |
| OWB Work Flow Package Name | FACT |
| Extract Procedure | PR_BI_NRTINC |
| Modify View Name | EXTINC_MODIFY_V |
| Delete View Name | EXTINC_DELETE_V |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|-----------------|--------|--|------------------|
| UPDATE_DT_TM | 20 | GREATEST(i.last_update_time, j.last_update_time) | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SRC_INCIDENT_ID | 10 | DECODE(NVL(i.associate_idx, 0), 0, i.numb, i.associate_idx) | EXTRACT_FIELD_01 |
| SRC_NBR | 60 | j.numb | EXTRACT_FIELD_02 |
| SRC_ACCT_ID | 30 | i.account_num | EXTRACT_FIELD_03 |
| CALL_DATE | 8 | i.input_time | EXTRACT_FIELD_04 |
| CALL_TIME | 8 | i.input_time | EXTRACT_FIELD_04 |
| SRC_NCG_ID | 10 | i.ncg | EXTRACT_FIELD_05 |
| USER_CD | 16 | pk_bi_extractor.pr_get_user(i.user_name) | EXTRACT_FIELD_06 |
| PRIORITY_IND | 1 | DECODE(SUBSTR(i.complaint, 7, 1), '1', '1', '2', '1', '0'), '') | EXTRACT_FIELD_07 |
| UDD1_CD | 16 | | EXTRACT_FIELD_08 |
| UDD2_CD | 16 | | EXTRACT_FIELD_09 |
| UDM1 | 20 | | EXTRACT_FIELD_10 |
| UDM2 | 20 | | EXTRACT_FIELD_11 |
| UDM3 | 20 | | EXTRACT_FIELD_12 |
| UDM4 | 20 | | EXTRACT_FIELD_13 |
| UDM5 | 20 | | EXTRACT_FIELD_14 |
| UDDGEN1 | 8 | | EXTRACT_FIELD_15 |
| UDDGEN2 | 8 | | EXTRACT_FIELD_16 |
| UDDGEN3 | 8 | | EXTRACT_FIELD_17 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR' | |

Extract Procedure: PR_BI_NRTINC

Modify View: EXTINC_MODIFY_V

Delete View: EXTINC_DELETE_V

This extracts call information from the Oracle Utilities Network Management Systems system. Since this fact must be kept minimized for performance reasons, a daily purge process must be run to delete old restored outages from this table. This procedure is called

SPL_OMS_SNAPSHOT_PKG.SPL_PURGE_RECENT_FNC and has the following parameters:

- NUMBER_OF_DAYS. Total number of days to keep in the Recent Outage tables. All restored interruptions that started earlier than this will be purged from this table.
- DATA_SOURCE_IND. Data Source Indicator to be deleted. Default value is 4.
- DEBUG. This is a text string that defines if debug information will be created when the procedure is run. The default setting is no debug information.

The following "hard" measures are populated by the extract:

- FACT_CNT. This always contains the value of 1 (use this measure when you need to count the number of facts). It is populated by the load process and is not part of the extract file.

Recent Crew Activity Fact (NMS)

Properties

| Property | Value |
|-------------------------------|--|
| Load Table Name | CF_RECENT_CREW |
| Table Type | Fact |
| Source System Driver Table | jobs j, crew_event_history ceh, crew_assignments assign, crew_assignments unassign, crew_dispatches dispatch, crew_dispatches arrive, crew_dispatches complete |
| Source System Extract Program | nrt_extractor |
| Stage Table Name | STG_RECENT_CREW_EXT |
| Stage File Name | F_RECENT_CREW_EXT |
| Control Table Name | STG_RECENT_CREW_CTL_EXT |
| Control File name | F_RECENT_CREW_EXT |
| Update Procedure Name | SPL_RECENT_CREW_DEL_PRC |
| OWB Map Name | SPLMAP_F_RECENT_CREW |
| OWB Work Flow Name | SPLWF_F_RECENT_CREW |
| OWB Work Flow Package Name | FACT |
| Extract Procedure | PR_BI_NRTCROWA |
| Modify View Name | EXTCROWA_MODIFY_V |
| Delete View Name | |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|-------------------|--------|--|------------------|
| UPDATE_DTTM | 20 | GREATEST(MIN(NVL(assign.when_happened, TO_DATE('01/01/1990','DD/MM/YYYY'))), MIN(NVL(unassign.when_happened, TO_DATE('01/01/1990','DD/MM/YYYY'))), MIN(NVL(dispatch.when_happened, TO_DATE('01/01/1990','DD/MM/YYYY'))), MIN(NVL(arrive.when_happened, TO_DATE('01/01/1990','DD/MM/YYYY'))), MIN(NVL(complete.when_happened, TO_DATE('01/01/1990','DD/MM/YYYY')))) | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SRC_CREW_ID | 16 | ceh.crew_id | EXTRACT_FIELD_01 |
| SRC_EVENT_NBR | 60 | j.numb | EXTRACT_FIELD_02 |
| SRC_NCG_ID | 10 | j.ncg | EXTRACT_FIELD_03 |
| SRC_DEVICE_IDX | 10 | j.h_idx | EXTRACT_FIELD_04 |
| SRC_DEVICE_CLS | 10 | j.h_cls | EXTRACT_FIELD_05 |
| ASSIGN_DATE | 8 | MIN (assign.when_happened) | EXTRACT_FIELD_06 |
| ASSIGN_TIME | 8 | MIN (assign.when_happened) | EXTRACT_FIELD_06 |
| SRC_ASSIGN_USER | 16 | MIN (assign.ces_user) | EXTRACT_FIELD_07 |
| UNASSIGN_DATE | 8 | MIN (unassign.when_happened) | EXTRACT_FIELD_08 |
| UNASSIGN_TIME | 8 | MIN (unassign.when_happened) | EXTRACT_FIELD_08 |
| SRC_UNASSIGN_USER | 16 | MIN(unassign.ces_user) | EXTRACT_FIELD_09 |
| ACCEPT_DATE | 8 | MIN(dispatch.when_happened) | EXTRACT_FIELD_10 |
| ACCEPT_TIME | 8 | MIN(dispatch.when_happened) | EXTRACT_FIELD_10 |
| SRC_ACCEPT_USER | 16 | MIN(dispatch.ces_user) | EXTRACT_FIELD_11 |
| ARRIVE_DATE | 8 | MIN(arrive.when_happened) | EXTRACT_FIELD_12 |
| ARRIVE_TIME | 8 | MIN(arrive.when_happened) | EXTRACT_FIELD_12 |
| SRC_ARRIVE_USER | 16 | MIN(arrive.ces_user) | EXTRACT_FIELD_13 |
| CMPL_DATE | 8 | MIN(complete.when_happened) | EXTRACT_FIELD_14 |

| Extract Field | Length | Source | View Field |
|--------------------|--------|--|------------------|
| CMPL_TIME | 8 | MIN(complete.when_happened) | EXTRACT_FIELD_14 |
| SRC_CMPL_USER | 16 | MIN(complete.ces_user) | EXTRACT_FIELD_15 |
| SRC_STORM_NAME | 32 | fn_get_storm_name_and_date(MIN(j.event_idx), 64) | EXTRACT_FIELD_16 |
| SRC_STORM_NAME_SFX | 32 | fn_get_storm_name_and_date(MIN(j.event_idx), 64) | EXTRACT_FIELD_16 |
| SRC_OUTAGE_TYPE | 5 | MIN(j.stormman_type) | EXTRACT_FIELD_17 |
| UDD1_CD | 16 | | EXTRACT_FIELD_18 |
| UDD2_CD | 16 | | EXTRACT_FIELD_19 |
| INROUTE_DURATION | 20 | 1440 * NVL(MIN(arrive.when_happened) - MIN(dispatch.when_happened), 0) | EXTRACT_FIELD_20 |
| WORK_DURATION | 20 | 1440 * NVL(MIN(complete.when_happened) - MIN(arrive.when_happened), 0) | EXTRACT_FIELD_21 |
| ASSIGN_DURATION | 20 | 1440 * NVL(MIN(unassign.when_happened) - MIN(assign.when_happened), 0) | EXTRACT_FIELD_22 |
| DISPATCH_DURATION | 20 | 1440 * NVL(MIN(complete.when_happened) - MIN(assign.when_happened), 0) | EXTRACT_FIELD_23 |
| UDM1 | 20 | | EXTRACT_FIELD_24 |
| UDM2 | 20 | | EXTRACT_FIELD_25 |
| UDM3 | 20 | | EXTRACT_FIELD_26 |
| UDM4 | 20 | | EXTRACT_FIELD_27 |
| UDM5 | 20 | | EXTRACT_FIELD_28 |
| UDDGEN1 | 8 | | EXTRACT_FIELD_29 |
| UDDGEN2 | 8 | | EXTRACT_FIELD_30 |
| UDDGEN3 | 8 | | EXTRACT_FIELD_31 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR' | |

Extract Procedure: PR_BI_NRTCWA

Modify View: EXTCRWA_MODIFY_V

Delete View: none

This extracts the crew job information from the Oracle Utilities Network Management Systems system. Since this fact must be kept minimized for performance reasons, a daily purge process must be run to delete old restored outages from this table. This procedure is called SPL_OMS_SNAPSHOT_PKG.SPL_PURGE_RECENT_FNC and has the following parameters:

- NUMBER_OF_DAYS. Total number of days to keep in the Recent Outage tables. All restored interruptions that started earlier than this will be purged from this table.
- DATA_SOURCE_IND. Data Source Indicator to be deleted. Default value is 4.
- DEBUG. This is a text string that defines if debug information will be created when the procedure is run. The default setting is no debug information.

The following "hard" measures are populated by the extract:

- ASSIGN_DURATION. How long was the crew assigned to the job.
- DISPATCH_DURATION. How long did the crew spend dispatched to the job.
- INROUTE_DURATION. How long did the crew spend traveling to the job.
- WORK_DURATION. How long did the crew spend working on the job.
- FACT_CNT. This always contains the value of 1 (use this measure when you need to count the number of facts). It is populated by the load process and is not part of the extract file.

Recent Customer Outage Fact (NMS)

Properties

| Property | Value |
|-------------------------------|--|
| Load Table Name | CF_CUST_RECENT_OUTG |
| Table Type | Fact |
| Source System Driver Table | supply_node_log snl, jobs j, picklist_info_upd_tr p, supply_nodes sn, swman_sheets ss, incidents i |
| Source System Extract Program | Nrt_extractor |
| Stage Table Name | STG_CUST_RECENT_OUTG_EXT |
| Stage File Name | F_CUST_RECENT_OUTG_EXT |
| Control Table Name | STG_CUST_RECENT_OUTG_CTL_EXT |
| Control File name | F_CUST_RECENT_OUTG_EXT |
| Update Procedure Name | SPL_CUST_RECENT_DEL_PRC |
| OWB Map Name | SPLMAP_F_CUST_RECENT_OUTG |
| OWB Work Flow Name | SPLWF_F_CUST_RECENT_OUTG |
| OWB Work Flow Package Name | FACT |
| Extract Procedure | PR_BI_NRTCOF |
| Modify View Name | NRTSNL_MODIFY_V |

| Property | Value |
|------------------|-----------------|
| Delete View Name | EXTSNL_DELETE_V |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|--------------------------|--------|--|------------------|
| UPDATE_DTTM | 20 | greatest(snl.last_update_time, j.last_update_time, NVL(p.last_update_time, snl.last_update_time)) | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SRC_ID | 10 | snl.id | EXTRACT_FIELD_01 |
| SRC_DEVICE_ID | 30 | sn.device_id | EXTRACT_FIELD_02 |
| SRC_FEEDER_ID | 30 | sn.feeder | EXTRACT_FIELD_03 |
| SRC_ACCT_ID | 30 | i.account_num (for service outages only) | EXTRACT_FIELD_04 |
| SRC_NBR | 60 | j.numb | EXTRACT_FIELD_05 |
| SRC_STATUS | 10 | j.status | EXTRACT_FIELD_06 |
| BEGIN_DATE | 8 | snl.outage_time | EXTRACT_FIELD_07 |
| BEGIN_TIME | 8 | snl.outage_time | EXTRACT_FIELD_07 |
| BEGIN_DTTM | 20 | snl.outage_time | EXTRACT_FIELD_08 |
| RST_DATE | 8 | snl.restore_time | EXTRACT_FIELD_09 |
| RST_TIME | 8 | snl.restore_time | EXTRACT_FIELD_09 |
| RST_DTTM | 20 | snl.restore_time | EXTRACT_FIELD_10 |
| RST_IND | 1 | DECODE(snl.restore_time, NULL, 0, 1) | EXTRACT_FIELD_11 |
| EST_RST_DATE | 8 | j.est_rest_time | EXTRACT_FIELD_12 |
| EST_RST_TIME | 8 | j.est_rest_time | EXTRACT_FIELD_12 |
| SRC_AFF_NCG_ID | 10 | snl.ncg | EXTRACT_FIELD_13 |
| SRC_CAUSE_NCG_ID | 10 | j.ncg | EXTRACT_FIELD_14 |
| SRC_AFF_DEVICE_IDX | 10 | sn.device_idx | EXTRACT_FIELD_15 |
| SRC_AFF_DEVICE_CLS | 10 | sn.device_cls | EXTRACT_FIELD_16 |
| SRC_CAUSE_DEVICE_ID X | 10 | j.h_idx | EXTRACT_FIELD_17 |
| SRC_CAUSE_DEVICE_CL S | 10 | j.h_cls | EXTRACT_FIELD_18 |

| Extract Field | Length | Source | View Field |
|--------------------|--------|--|------------------|
| SRC_FEEDER_CLS | 6 | j.feeder_cls | EXTRACT_FIELD_19 |
| SRC_FEEDER_IDX | 11 | j.feeder_idx | EXTRACT_FIELD_20 |
| SRC_SW_PLAN_CLS | 6 | j.swsheet_cls | EXTRACT_FIELD_21 |
| SRC_SW_PLAN_IDX | 11 | j.swsheet_idx | EXTRACT_FIELD_22 |
| SRC_STORM_NAME | 32 | fn_get_storm_name_and_date(j.event_idx) | EXTRACT_FIELD_23 |
| SRC_STORM_NAME_SFX | 32 | fn_get_storm_name_and_date(j.event_idx) | EXTRACT_FIELD_23 |
| SRC_OUTAGE_TYPE | 5 | j.stormman_type | EXTRACT_FIELD_24 |
| SRC_PARENT_NBR | 60 | fn_get_parent_event(j.event_idx, j.numb) | EXTRACT_FIELD_25 |
| PLANNED_IND | 1 | ss.emerg_tb | EXTRACT_FIELD_26 |
| OMS_EXCLUDE_IND | 1 | p.no_dtr_flag | EXTRACT_FIELD_27 |
| CANCELLED_IND | 1 | DECODE(BITAND(j.state_value, 1024), 1024, '1', '0'), | EXTRACT_FIELD_28 |
| EXCLUDE_IND | 1 | DECODE(BITAND(j.state_value, 1024), 1024, '1', /* Cancelled */ DECODE(UPPER(p.no_dtr_flag), 'Y', '1', /* No DTR Flag Set */ DECODE(UPPER(NVL(ss.emerg_tb, 'X')), 'N', 1, /* Planned */ 0))) | EXTRACT_FIELD_29 |
| UDD1_CD | 16 | | EXTRACT_FIELD_30 |
| UDD2_CD | 16 | | EXTRACT_FIELD_31 |
| OUTG_DURATION | 20 | 1440 * (snl.restore_time - snl.outage_time) | EXTRACT_FIELD_32 |
| NUM_MOMENTARY | 6 | j.num_momentaries | EXTRACT_FIELD_33 |
| CMI | 20 | 1440 * (snl.restore_time - snl.outage_time) | EXTRACT_FIELD_34 |
| UDM1 | 20 | | EXTRACT_FIELD_35 |
| UDM2 | 20 | | EXTRACT_FIELD_36 |
| UDM3 | 20 | | EXTRACT_FIELD_37 |
| UDM4 | 20 | | EXTRACT_FIELD_38 |
| UDM5 | 20 | | EXTRACT_FIELD_39 |
| UDDGEN1 | 8 | | EXTRACT_FIELD_40 |

| Extract Field | Length | Source | View Field |
|-----------------|--------|--|------------------|
| UDDGEN2 | 8 | | EXTRACT_FIELD_41 |
| UDDGEN3 | 8 | | EXTRACT_FIELD_42 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATO R' | |

NMS Extract Program: nrt_extractor

Extract Procedure: PR_BI_NRTCOP

Modify View: NRTSNL_MODIFY_V

Delete View: EXTSNL_DELETE_V

This extracts customers experiencing service interruptions from the SUPPLY_NODE_LOG information. Since the SUPPLY_NODE_LOG does not contain customer specific data, the extract file will contain the list of supply nodes experience service interruptions, and the mapping procedure will join this to the CD_SNL records active at the time of the interruption to determine actual customers.

Since this fact must be kept minimized for performance reasons, a daily purge process must be run to delete old restored outages from this table. This procedure is called SPL_OMS_SNAPSHOT_PKG.SPL_PURGE_RECENT_FNC and has the following parameters:

- NUMBER_OF_DAYS. Total number of days to keep in the recent outage tables. All restored interruptions that started earlier than this will be purged from this table.
- DATA_SOURCE_IND. Data source indicator to be deleted. Default value is 4.
- DEBUG. This is a text string that defines if debug information will be created when the procedure is run. The default setting is no debug information.

The following "hard" measures are populated by the extract:

- OUTG_DURATION. This contains the length in time of the service interruption. This is only computed when service has been restored, and is equal to the restore time – the start time.
- CMI. This is the outage duration in minutes multiplied by the FACT_CNT value.
- NUM_MOMENTARY. This is the number of momentary interruptions that preceded this service interruption.
- FACT_CNT. This always contains the value of 1 (use this measure when you need to count the number of facts). It is populated by the load process and is not part of the extract file.

Note: The load process of CF_CUST_RECENT_OUTG and CF_CUST_RST_OUTG tables is different from other fact load processes. The differences are driven by the functionality provided by the analytics using these two facts. Outages are reported by individual customers and the outage management system tries to identify the supply node (transformer/substation/feeder) that is possibly the cause of the outage. A supply node in the Oracle Utilities Network Management System system may be connected to more than one customer. Hence an outage associated with a single note may impact multiple customers. The source data only provides the node level information,

however the fact processing logic derives the customers impacted by identifying the customers associated by the supply node.

This implies that even if the data file that is received has 'N' records, the load process may end up loading more than 'N' (around 3 times N) records into the fact. The number of records loaded depends on how supply nodes are configured in the Oracle Utilities Network Management System system.

As part of the error handling routines implemented in v2.4.0.3, the validations have been modified to handle this appropriately.

Recent Job Fact (NMS)

Properties

| Property | Value |
|-------------------------------|---|
| Load Table Name | CF_RECENT_JOB |
| Table Type | Fact |
| Source System Driver Table | Jobs j, picklist_info_upd_tr p, swman_sheets ss |
| Source System Extract Program | nrt_extractor |
| Stage Table Name | STG_RECENT_JOB_EXT |
| Stage File Name | F_RECENT_JOB_EXT |
| Control Table Name | STG_RECENT_JOB_CTL_EXT |
| Control File name | F_RECENT_JOB_EXT |
| Update Procedure Name | SPL_RECENT_JOB_DEL_PRC |
| OWB Map Name | SPL_RECENT_JOB_DEL_PRC |
| OWB Work Flow Name | SPLWF_F_RECENT_JOB |
| OWB Work Flow Package Name | FACT |
| Extract Procedure | PR_BI_NRTJOB_T |
| Modify View Name | EXTJOB_T_MODIFY_V |
| Delete View Name | EXTJOB_T_DELETE_V |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|----------------|--------|--|------------------|
| UPDATE_DT_TM | 20 | GREATEST(j.last_update_time, NVL(p.last_update_time, j.last_update_time)) | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SRC_NBR | 60 | j.numb | EXTRACT_FIELD_01 |

| Extract Field | Length | Source | View Field |
|--------------------|--------|--|------------------|
| SRC_STATUS | 10 | j.status | EXTRACT_FIELD_02 |
| SRC_NCG_ID | 10 | j.ncg | EXTRACT_FIELD_03 |
| BEGIN_DATE | 8 | j.begin_time | EXTRACT_FIELD_04 |
| BEGIN_TIME | 8 | j.begin_time | EXTRACT_FIELD_04 |
| BEGIN_DTTM | 20 | j.begin_time | EXTRACT_FIELD_05 |
| RST_DATE | 8 | j.restore_time | EXTRACT_FIELD_06 |
| RST_TIME | 8 | j.restore_time | EXTRACT_FIELD_06 |
| RST_DTTM | 20 | j.restore_time | EXTRACT_FIELD_07 |
| RST_IND | 1 | j.restore_time | EXTRACT_FIELD_08 |
| EST_RST_DATE | 8 | j.est_rest_time | EXTRACT_FIELD_09 |
| EST_RST_TIME | 8 | j.est_rest_time | EXTRACT_FIELD_09 |
| SRC_DEVICE_IDX | 10 | j.h_idx | EXTRACT_FIELD_10 |
| SRC_DEVICE_CLS | 10 | j.h_cls | EXTRACT_FIELD_11 |
| SRC_CMPL_USER | 16 | j.who_completed | EXTRACT_FIELD_12 |
| SRC_RESP_USER | 16 | j.who_responsible | EXTRACT_FIELD_13 |
| SRC_CREW_ID | 16 | fn_get_crew_id(j.event_idx, j.event_cls) | EXTRACT_FIELD_14 |
| SRC_FEEDER_CLS | 6 | j.feeder_cls | EXTRACT_FIELD_15 |
| SRC_FEEDER_IDX | 11 | j.feeder_idx | EXTRACT_FIELD_16 |
| SRC_SW_PLAN_CLS | 6 | j.swsheet_cls | EXTRACT_FIELD_17 |
| SRC_SW_PLAN_IDX | 11 | j.swsheet_idx | EXTRACT_FIELD_18 |
| SRC_STORM_NAME | 32 | fn_get_storm_name_and_date(j.event_idx), 64) | EXTRACT_FIELD_19 |
| SRC_STORM_NAME_SFX | 32 | fn_get_storm_name_and_date(j.event_idx), 64) | EXTRACT_FIELD_19 |
| SRC_OUTAGE_TYPE | 5 | j.stormman_type | EXTRACT_FIELD_20 |
| PARENT_SRC_NBR | 60 | fn_get_parent_event(j.event_idx, j.numb) | EXTRACT_FIELD_21 |
| UDD1_CD | 16 | | EXTRACT_FIELD_22 |
| UDD2_CD | 16 | | EXTRACT_FIELD_23 |
| OUTG_DURATION | 20 | 1440 * (j.restore_time - j.begin_time) | EXTRACT_FIELD_24 |
| PLANNED_IND | 1 | DECODE(UPPER(NVL(swman_sheet_category.sheet_cate gory_name, 'X')), 'N', 1, 0) | EXTRACT_FIELD_25 |

| Extract Field | Length | Source | View Field |
|-----------------|--------|--|------------------|
| OMS_EXCLUDE_IND | 1 | DECODE(UPPER(p.no_dtr_flag), 'Y', '1', '0') | EXTRACT_FIELD_26 |
| CANCELLED_IND | 1 | DECODE(BITAND(j.state_value, 1024), 1024, '1', '0'), | EXTRACT_FIELD_27 |
| EXCLUDE_IND | 1 | PLANNED_IND or OMS_EXCLUDE_IND or CANCELLED_IND | EXTRACT_FIELD_28 |
| UDM1 | 20 | j.num_cust_out | EXTRACT_FIELD_29 |
| UDM2 | 20 | fn_get_num_calls(j.event_idx) | EXTRACT_FIELD_30 |
| UDM3 | 20 | 1440 * (j.restore_time - j.est_rest_time) | EXTRACT_FIELD_31 |
| UDM4 | 20 | | EXTRACT_FIELD_32 |
| UDM5 | 20 | | EXTRACT_FIELD_33 |
| UDDGEN1 | 8 | | EXTRACT_FIELD_34 |
| UDDGEN2 | 8 | | EXTRACT_FIELD_35 |
| UDDGEN3 | 8 | | EXTRACT_FIELD_36 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATO R' | |

NMS Extract Program: nrt_extractor

Extract Procedure: PR_BI_NRTJOB

Modify View: EXTJOB_MODIFY_V

Delete View: EXTJOB_DELETE_V

This extracts job information from Oracle Utilities Network Management System.

Since this fact must be kept minimized for performance reasons, a daily purge process must be run to delete old restored outages from this table. This procedure is called SPL_OMS_SNAPSHOT_PKG.SPL_PURGE_RECENT_FNC and has the following parameters:

- NUMBER_OF_DAYS. Total number of days to keep in the recent outage tables. All restored interruptions that started earlier than this will be purged from this table.
- DATA_SOURCE_IND. Data source indicator to be deleted. Default value is 4.
- DEBUG. This is a text string that defines if debug information will be created when the procedure is run. The default setting is no debug information.

The following "hard" measures are populated by the extract:

- OUTG_DURATION. This contains the length in time of the service interruption. This is only computed when service has been restored, and is equal to the restore time – the start time.

- **FACT_CNT.** This always contains the value of 1 (use this measure when you need to count the number of facts). It is populated by the load process and is not part of the extract file.

Restored Call Fact (NMS)

Properties

| Property | Value |
|-------------------------------|----------------------|
| Load Table Name | CF_RST_CALL |
| Table Type | Fact |
| Source System Driver Table | incidents I, jobs j |
| Source System Extract Program | bi_event_extractor |
| Stage Table Name | STG_RST_CALL_EXT |
| Stage File Name | F_RST_CALL_EXT |
| Control Table Name | STG_RST_CALL_CTL_EXT |
| Control File name | F_RST_CALL_EXT |
| Update Procedure Name | SPL_RST_CALL_DEL_PRC |
| OWB Map Name | SPLMAP_F_RST_CALL |
| OWB Work Flow Name | SPLWF_F_RST_CALL |
| OWB Work Flow Package Name | FACT |
| Extract Procedure | PR_BI_NRTINC |
| Modify View Name | EXTINC_MODIFY_V |
| Delete View Name | EXTINC_DELETE_V |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|-----------------|--------|--|------------------|
| UPDATE_DTTM | 20 | GREATEST(i.last_update_time, j.last_update_time) | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SRC_INCIDENT_ID | 10 | DECODE(NVL(i.associate_idx, 0), 0, i.numb, i.associate_idx) | EXTRACT_FIELD_01 |
| SRC_NBR | 60 | j.numb | EXTRACT_FIELD_02 |
| SRC_ACCT_ID | 30 | i.account_num | EXTRACT_FIELD_03 |
| CALL_DATE | 8 | i.input_time | EXTRACT_FIELD_04 |
| CALL_TIME | 8 | i.input_time | EXTRACT_FIELD_04 |

| Extract Field | Length | Source | View Field |
|-----------------|--------|--|------------------|
| SRC_NCG_ID | 10 | i.ncg | EXTRACT_FIELD_05 |
| USER_CD | 16 | pk_bi_extractor.pr_get_user(i.user_name) | EXTRACT_FIELD_06 |
| PRIORITY_IND | 1 | DECODE(SUBSTR(i.complaint, 7, 1), '1', '1', '2', '1', '0'), '') | EXTRACT_FIELD_07 |
| UDD1_CD | 16 | | EXTRACT_FIELD_08 |
| UDD2_CD | 16 | | EXTRACT_FIELD_09 |
| UDM1 | 20 | | EXTRACT_FIELD_10 |
| UDM2 | 20 | | EXTRACT_FIELD_11 |
| UDM3 | 20 | | EXTRACT_FIELD_12 |
| UDM4 | 20 | | EXTRACT_FIELD_13 |
| UDM5 | 20 | | EXTRACT_FIELD_14 |
| UDDGEN1 | 8 | | EXTRACT_FIELD_15 |
| UDDGEN2 | 8 | | EXTRACT_FIELD_16 |
| UDDGEN3 | 8 | | EXTRACT_FIELD_17 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR' | |

NMS Extract Program: nrt_extractor

Extract Procedure: PR_BI_NRTJOB

Modify View: EXTJOB_MODIFY_V

Delete View: EXTJOB_DELETE_V

This extracts job information from Oracle Utilities Network Management System.

Since this fact must be kept minimized for performance reasons, a daily purge process must be run to delete old restored outages from this table. This procedure is called SPL_OMS_SNAPSHOT_PKG.SPL_PURGE_RECENT_FNC and has the following parameters:

- NUMBER_OF_DAYS. Total number of days to keep in the recent outage tables. All restored interruptions that started earlier than this will be purged from this table.
- DATA_SOURCE_IND. Data source indicator to be deleted. Default value is 4.
- DEBUG. This is a text string that defines if debug information will be created when the procedure is run. The default setting is no debug information.

The following "hard" measures are populated by the extract:

- OUTG_DURATION. This contains the length in time of the service interruption. This is only computed when Service has been restored, and is equal to the restore time – the start time.

- **FACT_CNT.** This always contains the value of 1 (use this measure when you need to count the number of facts). It is populated by the load process and is not part of the extract file.

Restored Crew Activity Fact (NMS)

Properties

| Property | Value |
|-------------------------------|--|
| Load Table Name | CF_RST_CREW |
| Table Type | Fact |
| Source System Driver Table | jobs j, crew_event_history ceh, crew_assignments assign, crew_assignments unassign, crew_dispatches dispatch, crew_dispatches arrive, crew_dispatches complete |
| Source System Extract Program | bi_event_extractor |
| Stage Table Name | STG_RST_CREW_EXT |
| Stage File Name | F_RST_CREW_EXT |
| Control Table Name | STG_RST_CREW_CTL_EXT |
| Control File name | F_RST_CREW_EXT |
| Update Procedure Name | SPL_RST_CREW_DEL_PRC |
| OWB Map Name | SPLMAP_F_RST_CREW |
| OWB Work Flow Name | SPLWF_F_RST_CREW |
| OWB Work Flow Package Name | FACT |
| Extract Procedure | PR_BI_NRTCROWA |
| Modify View Name | PR_BI_EXTCROWA |
| Delete View Name | |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|-------------------|--------|--|------------------|
| UPDATE_DT*TM | 20 | GREATEST(MIN(NVL(assign.when_happened, TO_DATE('01/01/1990','DD/MM/YYYY')), MIN(NVL(unassign.when_happened, TO_DATE('01/01/1990','DD/MM/YYYY')), MIN(NVL(dispatch.when_happened, TO_DATE('01/01/1990','DD/MM/YYYY')), MIN(NVL(arrive.when_happened, TO_DATE('01/01/1990','DD/MM/YYYY')), MIN(NVL(complete.when_happened, TO_DATE('01/01/1990','DD/MM/YYYY'))))))))) | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SRC_CREW_ID | 16 | ceh.crew_id | EXTRACT_FIELD_01 |
| SRC_EVENT_NBR | 60 | j.numb | EXTRACT_FIELD_02 |
| SRC_NCG_ID | 10 | j.ncg | EXTRACT_FIELD_03 |
| SRC_DEVICE_IDX | 10 | j.h_idx | EXTRACT_FIELD_04 |
| SRC_DEVICE_CLS | 10 | j.h_cls | EXTRACT_FIELD_05 |
| ASSIGN_DATE | 8 | MIN (assign.when_happened) | EXTRACT_FIELD_06 |
| ASSIGN_TIME | 8 | MIN (assign.when_happened) | EXTRACT_FIELD_06 |
| SRC_ASSIGN_USER | 16 | MIN (assign.ces_user) | EXTRACT_FIELD_07 |
| UNASSIGN_DATE | 8 | MIN (unassign.when_happened) | EXTRACT_FIELD_08 |
| UNASSIGN_TIME | 8 | MIN (unassign.when_happened) | EXTRACT_FIELD_08 |
| SRC_UNASSIGN_USER | 16 | MIN(unassign.ces_user) | EXTRACT_FIELD_09 |
| ACCEPT_DATE | 8 | MIN(dispatch.when_happened) | EXTRACT_FIELD_10 |
| ACCEPT_TIME | 8 | MIN(dispatch.when_happened) | EXTRACT_FIELD_10 |
| SRC_ACCEPT_USER | 16 | MIN(dispatch.ces_user) | EXTRACT_FIELD_11 |
| ARRIVE_DATE | 8 | MIN(arrive.when_happened) | EXTRACT_FIELD_12 |
| ARRIVE_TIME | 8 | MIN(arrive.when_happened) | EXTRACT_FIELD_12 |
| SRC_ARRIVE_USER | 16 | MIN(arrive.ces_user) | EXTRACT_FIELD_13 |
| CMPL_DATE | 8 | MIN(complete.when_happened) | EXTRACT_FIELD_14 |

| Extract Field | Length | Source | View Field |
|--------------------|--------|--|------------------|
| CMPL_TIME | 8 | MIN(complete.when_happened) | EXTRACT_FIELD_14 |
| SRC_CMPL_USER | 16 | MIN(complete.ces_user) | EXTRACT_FIELD_15 |
| SRC_STORM_NAME | 32 | fn_get_storm_name_and_date(MIN(j.event_idx), 64) | EXTRACT_FIELD_16 |
| SRC_STORM_NAME_SFX | 32 | fn_get_storm_name_and_date(MIN(j.event_idx), 64) | EXTRACT_FIELD_16 |
| SRC_OUTAGE_TYPE | 5 | MIN(j.stormman_type) | EXTRACT_FIELD_17 |
| UDD1_CD | 16 | | EXTRACT_FIELD_18 |
| UDD2_CD | 16 | | EXTRACT_FIELD_19 |
| INROUTE_DURATION | 20 | 1440 * NVL(MIN(arrive.when_happened) - MIN(dispatch.when_happened), 0) | EXTRACT_FIELD_20 |
| WORK_DURATION | 20 | 1440 * NVL(MIN(complete.when_happened) - MIN(arrive.when_happened), 0) | EXTRACT_FIELD_21 |
| ASSIGN_DURATION | 20 | 1440 * NVL(MIN(unassign.when_happened) - MIN(assign.when_happened), 0) | EXTRACT_FIELD_22 |
| DISPATCH_DURATION | 20 | 1440 * NVL(MIN(complete.when_happened) - MIN(assign.when_happened), 0) | EXTRACT_FIELD_23 |
| UDM1 | 20 | | EXTRACT_FIELD_24 |
| UDM2 | 20 | | EXTRACT_FIELD_25 |
| UDM3 | 20 | | EXTRACT_FIELD_26 |
| UDM4 | 20 | | EXTRACT_FIELD_27 |
| UDM5 | 20 | | EXTRACT_FIELD_28 |
| UDDGEN1 | 8 | | EXTRACT_FIELD_29 |
| UDDGEN2 | 8 | | EXTRACT_FIELD_30 |
| UDDGEN3 | 8 | | EXTRACT_FIELD_31 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATO R' | |

NMS Extract Program: bi_event_extractor

Extract Procedure: PR_BI_EXTINC

Modify View: EXTINC_MODIFY_V

Delete View: EXTINC_DELETE_V

This extracts call information from Oracle Utilities Network Management System.

The following "hard" measures are populated by the extract:

- **FACT_CNT.** This always contains the value of 1 (use this measure when you need to count the number of facts). It is populated by the load process and is not part of the extract file.

Restored Customer Outage Fact (NMS)

Properties

| Property | Value |
|-------------------------------|--|
| Load Table Name | CF_CUST_RST_OUTG |
| Table Type | Fact |
| Source System Driver Table | supply_node_log snl, jobs j, picklist_info_upd_tr p, supply_nodes sn, swman_sheets ss, incidents i |
| Source System Extract Program | event_extractor |
| Stage Table Name | STG_CUST_RST_OUTG_EXT |
| Stage File Name | F_CUST_RST_OUTG_EXT |
| Control Table Name | STG_CUST_RST_OUTG_CTL_EXT |
| Control File name | F_CUST_RST_OUTG_EXT |
| Update Procedure Name | SPL_CUST_RST_DEL_PRC |
| OWB Map Name | SPLMAP_F_CUST_RST_OUTG |
| OWB Work Flow Name | SPLWF_F_CUST_RST_OUTG |
| OWB Work Flow Package Name | FACT |
| Extract Procedure | PR_BI_EXTCOF |
| Modify View Name | EXTSNL_MODIFY_V |
| Delete View Name | EXTSNL_DELETE_V |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|----------------|--------|---|------------------|
| UPDATE_DTTM | 20 | greatest(snl.last_update_time, j.last_update_time, NVL(p.last_update_time, snl.last_update_time)) | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |

| Extract Field | Length | Source | View Field |
|--------------------------|---------------|--|-------------------|
| SRC_ID | 10 | snl.id | EXTRACT_FIELD_01 |
| SRC_DEVICE_ID | 30 | sn.device_id | EXTRACT_FIELD_02 |
| SRC_FEEDER_ID | 30 | sn.feeder | EXTRACT_FIELD_03 |
| SRC_ACCT_ID | 30 | i.account_num (for service outages only) | EXTRACT_FIELD_04 |
| SRC_NBR | 60 | j.numb | EXTRACT_FIELD_05 |
| SRC_STATUS | 10 | j.status | EXTRACT_FIELD_06 |
| BEGIN_DATE | 8 | snl.outage_time | EXTRACT_FIELD_07 |
| BEGIN_TIME | 8 | snl.outage_time | EXTRACT_FIELD_07 |
| BEGIN_DTTM | 20 | snl.outage_time | EXTRACT_FIELD_08 |
| RST_DATE | 8 | snl.restore_time | EXTRACT_FIELD_09 |
| RST_TIME | 8 | snl.restore_time | EXTRACT_FIELD_09 |
| RST_DTTM | 20 | snl.restore_time | EXTRACT_FIELD_10 |
| RST_IND | 1 | DECODE(snl.restore_time, NULL, 0, 1) | EXTRACT_FIELD_11 |
| EST_RST_DATE | 8 | j.est_rest_time | EXTRACT_FIELD_12 |
| EST_RST_TIME | 8 | j.est_rest_time | EXTRACT_FIELD_12 |
| SRC_AFF_NCG_ID | 10 | snl.ncg | EXTRACT_FIELD_13 |
| SRC_CAUSE_NCG_ID | 10 | j.ncg | EXTRACT_FIELD_14 |
| SRC_AFF_DEVICE_IDX | 10 | sn.device_idx | EXTRACT_FIELD_15 |
| SRC_AFF_DEVICE_CLS | 10 | sn.device_cls | EXTRACT_FIELD_16 |
| SRC_CAUSE_DEVICE_ID X | 10 | j.h_idx | EXTRACT_FIELD_17 |
| SRC_CAUSE_DEVICE_CL S | 10 | j.h_cls | EXTRACT_FIELD_18 |
| SRC_FEEDER_CLS | 6 | j.feeder_cls | EXTRACT_FIELD_19 |
| SRC_FEEDER_IDX | 11 | j.feeder_idx | EXTRACT_FIELD_20 |
| SRC_SW_PLAN_CLS | 6 | j.swsheet_cls | EXTRACT_FIELD_21 |
| SRC_SW_PLAN_IDX | 11 | j.swsheet_idx | EXTRACT_FIELD_22 |
| SRC_STORM_NAME | 32 | fn_get_storm_name_and_date(j.event_idx) | EXTRACT_FIELD_23 |
| SRC_STORM_NAME_SFX | 32 | fn_get_storm_name_and_date(j.event_idx) | EXTRACT_FIELD_23 |
| SRC_OUTAGE_TYPE | 5 | j.stormman_type | EXTRACT_FIELD_24 |

| Extract Field | Length | Source | View Field |
|-----------------|--------|---|------------------|
| SRC_PARENT_NBR | 60 | fn_get_parent_event(j.event_idx, j.numb) | EXTRACT_FIELD_25 |
| PLANNED_IND | 1 | ss.emerg_tb | EXTRACT_FIELD_26 |
| OMS_EXCLUDE_IND | 1 | p.no_dtr_flag | EXTRACT_FIELD_27 |
| CANCELLED_IND | 1 | DECODE(BITAND(j.state_value, 1024), 1024, '1', '0'), | EXTRACT_FIELD_28 |
| EXCLUDE_IND | 1 | DECODE(BITAND(j.state_value, 1024), 1024, '1', /* Cancelled */ DECODE(UPPER(p.no_dtr_flag), 'Y', '1', /* No DTR Flag Set */ DECODE(UPPER(NVL(ss.emerg_tb, 'X')), 'N', 1, /* Planned */ 0))) | EXTRACT_FIELD_29 |
| UDD1_CD | 16 | | EXTRACT_FIELD_30 |
| UDD2_CD | 16 | | EXTRACT_FIELD_31 |
| OUTG_DURATION | 20 | 1440 * (snl.restore_time - snl.outage_time) | EXTRACT_FIELD_32 |
| NUM_MOMENTARY | 6 | j.num_momentaries | EXTRACT_FIELD_33 |
| CMI | 20 | 1440 * (snl.restore_time - snl.outage_time) | EXTRACT_FIELD_34 |
| UDM1 | 20 | | EXTRACT_FIELD_35 |
| UDM2 | 20 | | EXTRACT_FIELD_36 |
| UDM3 | 20 | | EXTRACT_FIELD_37 |
| UDM4 | 20 | | EXTRACT_FIELD_38 |
| UDM5 | 20 | | EXTRACT_FIELD_39 |
| UDDGEN1 | 8 | | EXTRACT_FIELD_40 |
| UDDGEN2 | 8 | | EXTRACT_FIELD_41 |
| UDDGEN3 | 8 | | EXTRACT_FIELD_42 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATO R' | |

NMS Extract Program: bi_event_extractor

Extract Procedure: PR_BI_EXTCOF

Modify View: EXTSNL_MODIFY_V

Delete View: EXTSNL_DELETE_V

This extracts the customers experiencing service interruptions from the SUPPLY_NODE_LOG information. Since the SUPPLY_NODE_LOG does not contain customer specific data, the extract file will contain the list of supply nodes experience service interruptions, and the mapping procedure will join this to the CD_SNL records active at the time of the interruption to determine actual customers.

The following "hard" measures are populated by the extract:

- **OUTG_DURATION.** This contains the length in time of the service interruption. This is equal to the restore time – the start time.
- **CMI.** This is the outage duration in minutes multiplied by the FACT_CNT value.
- **NUM_MOMENTARY.** This is the number of momentary interruptions that preceded this service interruption.
- **FACT_CNT.** This always contains the value of 1 (use this measure when you need to count the number of facts). It is populated by the load process and is not part of the extract file.

Note: The load process of CF_CUST_RECENT_OUTG and CF_CUST_RST_OUTG tables is different from other fact load processes. The differences are driven by the functionality provided by the analytics using these two facts. Outages are reported by individual customers and the outage management system tries to identify the supply node (transformer/substation/feeder) that is possibly the cause of the outage. A supply node in the Oracle Utilities Network Management System may be connected to more than one customer. Hence an outage associated with a single note may impact multiple customers. The source data only provides the node level information, however the fact processing logic derives the customers impacted by identifying the customers associated by the supply node.

This implies that even if the data file that is received has 'N' records, the load process may end up loading more than 'N' (around 3 times N) records into the fact. The number of records loaded depends on how supply nodes are configured in the Oracle Utilities Network Management System system.

As part of the error handling routines implemented in v2.4.0.3, the validations have been modified to handle this appropriately.

Restored Job Fact (NMS)

Properties

| Property | Value |
|-------------------------------|---|
| Load Table Name | CF_RST_JOB |
| Table Type | Fact |
| Source System Driver Table | Jobs j, picklist_info_upd_tr p, swman_sheets ss |
| Source System Extract Program | bi_event_extractor |
| Stage Table Name | STG_RST_JOB_EXT |
| Stage File Name | F_RST_JOB_EXT |

| Property | Value |
|----------------------------|---------------------|
| Control Table Name | STG_RST_JOB_CTL_EXT |
| Control File name | F_RST_JOB_EXT |
| Update Procedure Name | SPL_RST_JOB_DEL_PRC |
| OWB Map Name | SPLMAP_F_RST_JOB |
| OWB Work Flow Name | SPLMAP_F_RST_JOB |
| OWB Work Flow Package Name | FACT |
| Extract Procedure | PR_BI_EXTJOB |
| Modify View Name | EXTJOB_MODIFY_V |
| Delete View Name | EXTJOB_DELETE_V |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|----------------|--------|---|------------------|
| UPDATE_DTTM | 20 | GREATEST(j.last_update_time, NVL(p.last_update_time, j.last_update_time)) | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SRC_NBR | 60 | j.numb | EXTRACT_FIELD_01 |
| SRC_STATUS | 10 | j.status | EXTRACT_FIELD_02 |
| SRC_NCG_ID | 10 | j.ncg | EXTRACT_FIELD_03 |
| BEGIN_DATE | 8 | j.begin_time | EXTRACT_FIELD_04 |
| BEGIN_TIME | 8 | j.begin_time | EXTRACT_FIELD_04 |
| BEGIN_DTTM | 20 | j.begin_time | EXTRACT_FIELD_05 |
| RST_DATE | 8 | j.restore_time | EXTRACT_FIELD_06 |
| RST_TIME | 8 | j.restore_time | EXTRACT_FIELD_06 |
| RST_DTTM | 20 | j.restore_time | EXTRACT_FIELD_07 |
| RST_IND | 1 | j.restore_time | EXTRACT_FIELD_08 |
| EST_RST_DATE | 8 | j.est_rest_time | EXTRACT_FIELD_09 |
| EST_RST_TIME | 8 | j.est_rest_time | EXTRACT_FIELD_09 |
| SRC_DEVICE_IDX | 10 | j.h_idx | EXTRACT_FIELD_10 |
| SRC_DEVICE_CLS | 10 | j.h_cls | EXTRACT_FIELD_11 |
| SRC_CMPL_USER | 16 | j.who_completed | EXTRACT_FIELD_12 |
| SRC_RESP_USER | 16 | j.who_responsible | EXTRACT_FIELD_13 |

| Extract Field | Length | Source | View Field |
|----------------------|---------------|---|-------------------|
| SRC_CREW_ID | 16 | fn_get_crew_id(j.event_idx, j.event_cls) | EXTRACT_FIELD_14 |
| SRC_FEEDER_CLS | 6 | j.feeder_cls | EXTRACT_FIELD_15 |
| SRC_FEEDER_IDX | 11 | j.feeder_idx | EXTRACT_FIELD_16 |
| SRC_SW_PLAN_CLS | 6 | j.swsheet_cls | EXTRACT_FIELD_17 |
| SRC_SW_PLAN_IDX | 11 | j.swsheet_idx | EXTRACT_FIELD_18 |
| SRC_STORM_NAME | 32 | fn_get_storm_name_and_date(j.event_idx), 64) | EXTRACT_FIELD_19 |
| SRC_STORM_NAME_SFX | 32 | fn_get_storm_name_and_date(j.event_idx), 64) | EXTRACT_FIELD_19 |
| SRC_OUTAGE_TYPE | 5 | j.stormman_type | EXTRACT_FIELD_20 |
| PARENT_SRC_NBR | 60 | fn_get_parent_event(j.event_idx, j.numb) | EXTRACT_FIELD_21 |
| UDD1_CD | 16 | | EXTRACT_FIELD_22 |
| UDD2_CD | 16 | | EXTRACT_FIELD_23 |
| OUTG_DURATION | 20 | 1440 * (j.restore_time - j.begin_time) | EXTRACT_FIELD_24 |
| PLANNED_IND | 1 | DECODE(UPPER(NVL(ss.emerg_tb, 'X')), 'N', 1, 0) | EXTRACT_FIELD_25 |
| OMS_EXCLUDE_IND | 1 | DECODE(UPPER(p.no_dtr_flag), 'Y', '1', '0') | EXTRACT_FIELD_26 |
| CANCELLED_IND | 1 | DECODE(BITAND(j.state_value, 1024), 1024, '1', '0'), | EXTRACT_FIELD_27 |
| EXCLUDE_IND | 1 | PLANNED_IND or OMS_EXCLUDE_IND or CANCELLED_IND | EXTRACT_FIELD_28 |
| UDM1 | 20 | j.num_cust_out | EXTRACT_FIELD_29 |
| UDM2 | 20 | fn_get_num_calls(j.event_idx) | EXTRACT_FIELD_30 |
| UDM3 | 20 | 1440 * (j.restore_time - j.est_rest_time) | EXTRACT_FIELD_31 |
| UDM4 | 20 | | EXTRACT_FIELD_32 |
| UDM5 | 20 | | EXTRACT_FIELD_33 |
| UDDGEN1 | 8 | | EXTRACT_FIELD_34 |
| UDDGEN2 | 8 | | EXTRACT_FIELD_35 |
| UDDGEN3 | 8 | | EXTRACT_FIELD_36 |

| Extract Field | Length | Source | View Field |
|-----------------|--------|--|------------|
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATO R' | |

NMS Extract Program: bi_event_extractor

Extract Procedure: PR_BI_EXTJOB

Modify View: EXTJOB_MODIFY_V

Delete View: EXTJOB_DELETE_V

This extracts job information from Oracle Utilities Network Management System.

The following "hard" measures are populated by the extract:

- OUTG_DURATION. This contains the length in time of the service interruption.
- FACT_CNT. This always contains the value of 1 (use this measure when you need to count the number of facts). It is populated by the load process and is not part of the extract file.

This is only computed when service has been restored, and is equal to the restore time – the start time.

Switch Plan Fact (NMS)

Properties

| Property | Value |
|-------------------------------|-------------------------------|
| Load Table Name | CF_SW_PLAN |
| Table Type | Fact |
| Source System Driver Table | swman_sheet s, swman_step ss, |
| Source System Extract Program | bi_switch_extractor |
| Stage Table Name | STG_SW_PLAN_TR_EXT |
| Stage File Name | F_SW_PLAN_TR_EXT |
| Control Table Name | STG_SW_PLAN_TR_CTL_EXT |
| Control File name | F_SW_PLAN_TR_EXT |
| Update Procedure Name | SPL_SW_PLAN_TR_UPD_PRC |
| OWB Map Name | SPLMAP_F_SW_PLAN |
| OWB Work Flow Name | SPLWF_F_SW_PLAN |
| OWB Work Flow Package Name | FACT |
| Extract Procedure | PR_BI_EXTSWS |
| Modify View Name | EXTSWS_MODIFY_V |

| Property | Value |
|------------------|-----------------|
| Delete View Name | EXTSWS_DELETE_V |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|----------------------|--------|--|------------------|
| UPDATE_DTTM | 20 | s.update_time | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SRC_SW_PLAN_CLS | 6 | s.swman_sheet_cls | EXTRACT_FIELD_01 |
| SRC_SW_PLAN_IDX | 11 | s.seq_sheet_id | EXTRACT_FIELD_02 |
| SRC_NCG_ID | 10 | s.ncg | EXTRACT_FIELD_03 |
| SRC_STATE_KEY | 5 | s.state_key | EXTRACT_FIELD_04 |
| BEGIN_DATE | 8 | when_issued | EXTRACT_FIELD_05 |
| BEGIN_TIME | 8 | when_issued | EXTRACT_FIELD_05 |
| BEGIN_DTTM | 20 | when_issued | EXTRACT_FIELD_06 |
| END_DATE | 8 | NVL(when_executed, when_canceled) | EXTRACT_FIELD_07 |
| END_TIME | 8 | NVL(when_executed, when_canceled) | EXTRACT_FIELD_07 |
| END_DTTM | 20 | when_executed | EXTRACT_FIELD_08 |
| USER_CD1 | 16 | who_requested | EXTRACT_FIELD_09 |
| USER_CD2 | 16 | who_prepared | EXTRACT_FIELD_10 |
| USER_CD3 | 16 | who_checked | EXTRACT_FIELD_11 |
| USER_CD4 | 16 | who_issued | EXTRACT_FIELD_12 |
| USER_CD5 | 16 | who_scheduled | EXTRACT_FIELD_13 |
| USER_CD6 | 16 | who_approved | EXTRACT_FIELD_14 |
| USER_CD7 | 16 | who_hold | EXTRACT_FIELD_15 |
| USER_CD8 | 16 | NVL(who_executed, who_canceled) | EXTRACT_FIELD_16 |
| DURATION | 20 | 1440 * (when_executed - when_issued) | EXTRACT_FIELD_17 |
| NBR_OF_STEPS | 12 | Count(SS.*) | EXTRACT_FIELD_18 |
| NBR_OF_FAILED_STEPS | 12 | Count(SS.* where status = 'Failed') | EXTRACT_FIELD_19 |
| NBR_OF_ABORTED_STEPS | 12 | Count(SS.* where status = 'Aborted') | EXTRACT_FIELD_20 |

| Extract Field | Length | Source | View Field |
|--------------------|--------|--|------------------|
| NBR_OF_SAFETY_DOCS | 12 | fn_get_num_safety(s.swman_sheet_cls, s.seq_sheet_id) | EXTRACT_FIELD_21 |
| UDD1_CD | 16 | | EXTRACT_FIELD_22 |
| UDD2_CD | 16 | | EXTRACT_FIELD_23 |
| UDM1 | 20 | | EXTRACT_FIELD_24 |
| UDM2 | 20 | | EXTRACT_FIELD_25 |
| UDM3 | 20 | | EXTRACT_FIELD_26 |
| UDM4 | 20 | | EXTRACT_FIELD_27 |
| UDM5 | 20 | | EXTRACT_FIELD_28 |
| UDDGEN1 | 8 | | EXTRACT_FIELD_29 |
| UDDGEN2 | 8 | | EXTRACT_FIELD_30 |
| UDDGEN3 | 8 | | EXTRACT_FIELD_31 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATO R' | |

NMS Extract Program: bi_switch_extractor

Extract Procedure: PR_BI_EXTSWS

Modify View: EXTSWS_MODIFY_V

Delete View: EXTSWS_DELETE_V

This extracts switch plan information from Oracle Utilities Network Management System.

The following "hard" measures are populated by the extract:

- DURATION. Duration of the switch plan.
- NBR_OF_STEPS. Number of steps.
- NBR_OF_FAILED_STEPS. Number of failed steps.
- NBR_OF_ABORTED_STEPS. Number of aborted steps.
- NBR_OF_SAFETY_DOCS. Number of safety documents.
- FACT_CNT. This always contains the value of 1 (use this measure when you need to count the number of facts). It is populated by the load process and is not part of the extract file.

Switch Plan State Fact (NMS)

Properties

| Property | Value |
|-------------------------------|--|
| Load Table Name | CF_SW_PLAN_state |
| Table Type | Fact |
| Source System Driver Table | swman_audit_log sal, swman_sheet ss, extvalid_states_modify_v st, swman_audit_log sal2 |
| Source System Extract Program | bi_switch_extractor |
| Stage Table Name | STG_SW_PLAN_STATE_TR_EXT |
| Stage File Name | F_SW_PLAN_STATE_TR_EXT |
| Control Table Name | STG_SW_PLAN_STATE_TR_CTL_EXT |
| Control File name | F_SW_PLAN_STATE_TR_EXT |
| Update Procedure Name | F_SW_PLAN_STATE_TR_EXT |
| OWB Map Name | SPLMAP_F_SW_PLAN_STATE |
| OWB Work Flow Name | SPLWF_F_SW_PLAN_STATE |
| OWB Work Flow Package Name | FACT |
| Extract Procedure | PR_BI_EXTSWSLOG |
| Modify View Name | EXTSWSLOG_MODIFY_V |
| Delete View Name | |

Fields (listed in the order they will appear in the flat file)

| Extract Field | Length | Source | View Field |
|-----------------|--------|--|------------------|
| UPDATE_DT_TM | 20 | GREATEST(sal.insert_time, NVL(MIN(sal2.insert_time), sal.insert_time)) | LAST_UPDATE_TIME |
| CHANGE_TYPE_CD | 1 | Values: I – Insert/Update, D – Deleted | |
| SRC_LOG_ENTRY | 12 | sal.seq_log_id | EXTRACT_FIELD_01 |
| SRC_SW_PLAN_CLS | 6 | ss.swman_sheet_cls | EXTRACT_FIELD_02 |
| SRC_SW_PLAN_IDX | 11 | ss.seq_sheet_id | EXTRACT_FIELD_03 |
| SRC_NCG_ID | 10 | ss.ncg | EXTRACT_FIELD_04 |
| SRC_STATE_KEY | 5 | st.extract_field_01 | EXTRACT_FIELD_05 |
| BEGIN_DATE | 8 | sal.insert_time | EXTRACT_FIELD_06 |
| BEGIN_TIME | 8 | sal.insert_time | EXTRACT_FIELD_06 |

| Extract Field | Length | Source | View Field |
|-----------------|--------|---|------------------|
| BEGIN_DTTM | 20 | sal.insert_time | EXTRACT_FIELD_07 |
| END_DATE | 8 | MIN(sal2.insert_time) where sal2.insert_time > sal.insert_time | EXTRACT_FIELD_08 |
| END_TIME | 8 | MIN(sal2.insert_time) where sal2.insert_time > sal.insert_time | EXTRACT_FIELD_08 |
| END_DTTM | 20 | MIN*sal2.insert_time) where sal2.insert_time > sal.insert_time | EXTRACT_FIELD_09 |
| STATE_DURATION | 20 | 1440 * (MIN(sal2.insert_time) - sal.insert_time) where sal2.insert_time > sal.insert_time | EXTRACT_FIELD_10 |
| UDD1_CD | 16 | | EXTRACT_FIELD_11 |
| UDD2_CD | 16 | | EXTRACT_FIELD_12 |
| UDM1 | 20 | | EXTRACT_FIELD_13 |
| UDM2 | 20 | | EXTRACT_FIELD_14 |
| UDM3 | 20 | | EXTRACT_FIELD_15 |
| UDM4 | 20 | | EXTRACT_FIELD_16 |
| UDM5 | 20 | | EXTRACT_FIELD_17 |
| UDDGEN1 | 8 | | EXTRACT_FIELD_18 |
| UDDGEN2 | 8 | | EXTRACT_FIELD_19 |
| UDDGEN3 | 8 | | EXTRACT_FIELD_20 |
| DATA_SOURCE_IND | 6 | Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATO R' | |

NMS Extract Program: bi_switch_extractor

Extract Procedure: PR_BI_EXTSWLOG

Modify View: EXTSWLOG_MODIFY_V

Delete View: none

This extracts switch plan activity information from Oracle Utilities Network Management System.

The following "hard" measures are populated by the extract:

- STATE_DURATION. Duration that the switch plan spent in the state.
- FACT_CNT. This always contains the value of 1 (use this measure when you need to count the number of facts). It is populated by the load process and is not part of the extract file.

Dimension Table Schema

Account Dimension <CD_ACCT>

Properties

| Property | Value |
|------------|-----------|
| Table Type | Dimension |
| SCD Type | 2 |

Fields

| Column | OBIEE Field | Load |
|-----------------|-------------------------|------------------------|
| ACCT_KEY | | SPL_ACCT_SEQ.NEXTVAL |
| SRC_ACCT_ID | Account ID | Stage: ACCOUNT_ID |
| DATA_LOAD_DTTM | | SYSDATE |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| ACCT_INFO | Account Information | Stage: ACCT_INFO |
| UDF10_CD | User Defined Field Code | Stage: UDF10_CD |
| UDF10_DESCR | Account Char. 10 | Stage: UDF10_DESCR |
| UDF1_CD | User Defined Field Code | Stage: UDF1_CD |
| UDF1_DESCR | Customer Class | Stage: UDF1_DESCR |
| UDF2_CD | User Defined Field Code | Stage: UDF2_CD |
| UDF2_DESCR | Account Manage. Group | Stage: UDF2_DESCR |
| UDF3_CD | User Defined Field Code | Stage: UDF3_CD |
| UDF3_DESCR | Division | Stage: UDF3_DESCR |
| UDF4_CD | User Defined Field Code | Stage: UDF4_CD |
| UDF4_DESCR | Bill Cycle | Stage: UDF4_DESCR |
| UDF5_CD | User Defined Field Code | Stage: UDF5_CD |
| UDF5_DESCR | Collection Class | Stage: UDF5_DESCR |
| UDF6_CD | User Defined Field Code | Stage: UDF6_CD |
| UDF6_DESCR | Account Char. 1 | Stage: UDF6_DESCR |
| UDF7_CD | User Defined Field Code | Stage: UDF7_CD |
| UDF7_DESCR | Account Char. 2 | Stage: UDF7_DESCR |
| UDF8_CD | User Defined Field Code | Stage: UDF8_CD |
| UDF8_DESCR | Account Char. 3 | Stage: UDF8_DESCR |

| Column | OBIEE Field | Load |
|----------------|-------------------------|---|
| UDF9_CD | User Defined Field Code | Stage: UDF9_CD |
| UDF9_DESCR | Account Char. 4 | Stage: UDF9_DESCR |
| EFF_END_DTTM | | For Inserts 31-DEC-2999 23:59:59 For Updates, new record gets 31-dec-2999 23:59:59, and old record gets EFF_START_DTTM – 1 second For Deletes, date that records was deleted from NMS |
| EFF_START_DTTM | | Stage: UPDATE_DTTM |
| JOB_NBR | Job Number | B1_ETL_JOB_CTRL.JOB_NBR |

Address Dimension <CD_ADDR>

Properties

| Property | Value |
|------------|-----------|
| Table Type | Dimension |
| SCD Type | 2 |

Fields

| Column | OBIEE Field | Load |
|-----------------|---------------------|------------------------|
| ADDR_KEY | | SPL_ADDR_SEQ.NEXTVAL |
| ADDR_LINE1 | CC&B Address Line 1 | Stage: ADDR_LINE1 |
| ADDR_LINE2 | CC&B Address Line 2 | Stage: ADDR_LINE2 |
| ADDR_LINE3 | CC&B Address Line 3 | Stage: ADDR_LINE3 |
| ADDR_LINE4 | CC&B Address Line 4 | Stage: ADDR_LINE4 |
| DATA_LOAD_DTTM | | SYSDATE |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| SRC_ADDR_ID | CC&B Premise Id | Stage: SRC_PREM_ID |
| CROSS_STREET | Cross Street | Stage: CROSS_STREET |
| SUBURB | Suburb | Stage: SUBURB |
| CITY | City | Stage: CITY |
| COUNTY | County | Stage: COUNTY |

| Column | OBIEE Field | Load |
|---------------|-------------------------|---|
| POSTAL | Postal | Stage: POSTAL |
| STATE_CD | State Code | Stage: STATE_CD |
| STATE_DESCR | State Description | Stage: STATE_DESC |
| COUNTRY_CD | Country Code | Stage: COUNTRY_CD |
| COUNTRY_DESCR | Country Description | Stage: COUNTRY_DESC |
| GEO_CODE | Geo Code | Stage: GEO_CD |
| ADDR_INFO | Address Information | Stage: ADDR_INFO |
| UDF10_CD | User Defined Field Code | Stage: UDF10_CD |
| UDF10_DESCR | Premise Char 4 | Stage: UDF10_DESCR |
| UDF1_CD | User Defined Field Code | Stage: UDF1_CD |
| UDF1_DESCR | City | Stage: UDF1_DESCR |
| UDF2_CD | User Defined Field Code | Stage: UDF2_CD |
| UDF2_DESCR | County | Stage: UDF2_DESCR |
| UDF3_CD | User Defined Field Code | Stage: UDF3_CD |
| UDF3_DESCR | Postal | Stage: UDF3_DESCR |
| UDF4_CD | User Defined Field Code | Stage: UDF4_CD |
| UDF4_DESCR | State | Stage: UDF4_DESCR |
| UDF5_CD | User Defined Field Code | Stage: UDF5_CD |
| UDF5_DESCR | Country | Stage: UDF5_DESCR |
| UDF6_CD | User Defined Field Code | Stage: UDF6_CD |
| UDF6_DESCR | Geo Code | Stage: UDF6_DESCR |
| UDF7_CD | User Defined Field Code | Stage: UDF7_CD |
| UDF7_DESCR | Premise Char1 | Stage: UDF7_DESCR |
| UDF8_CD | User Defined Field Code | Stage: UDF8_CD |
| UDF8_DESCR | Premise Char 2 | Stage: UDF8_DESCR |
| UDF9_CD | User Defined Field Code | Stage: UDF9_CD |
| UDF9_DESCR | Premise Char 3 | Stage: UDF9_DESCR |
| EFF_END_DTTM | | For Inserts 31-DEC-2999 23:59:59 For Updates, new record gets 31-dec-2999 23:59:59, and old record gets EFF_START_DTTM – 1 second For Deletes, date that records was deleted from NMS |

| Column | OBIEE Field | Load |
|----------------|---------------------|-------------------------------|
| EFF_START_DTTM | | Stage: UPDATE_DTTM |
| JOB_NBR | Job Number | B1_ETL_JOB_CTRL.JOB_NBR |
| | Upper Case of City | UPPER(UDF1_DESCR) |
| | Upper Case of State | UPPER(CD_ADDR.UDF4_DE SCR) |

Call Info Dimension <CD_CALL_INFO>

Properties

| Property | Value |
|------------|-----------|
| Table Type | Dimension |
| SCD Type | 1 |

Fields

| Column | OBIEE Field | Load |
|-----------------|-------------------------------------|-------------------------------|
| CALL_INFO_KEY | | SPL_CALL_INFO_SEQ.NEXT VAL |
| DATA_LOAD_DTTM | | SYSDATE |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| JOB_NBR | | B1_ETL_JOB_CTRL.JOB_NBR |
| UDF1_CD | User Defined Field Code | Stage: UDF1_CD |
| UDF1_DESCR | User Defined Field 1 Description | Stage: UDF1_DESCR |
| UDF2_CD | User Defined Field Code | Stage: UDF2_CD |
| UDF2_DESCR | User Defined Field 2 Description | Stage: UDF2_DESCR |
| UDF3_CD | User Defined Field Code | Stage: UDF3_CD |
| UDF3_DESCR | User Defined Field 3 Description | Stage: UDF3_DESCR |
| UDF4_CD | User Defined Field Code | Stage: UDF4_CD |
| UDF4_DESCR | User Defined Field 4 Description | Stage: UDF4_DESCR |
| UDF5_CD | User Defined Field Code | Stage: UDF5_CD |

| Column | OBIEE Field | Load |
|-----------------|----------------------------------|---|
| UDF5_DESCR | User Defined Field 5 Description | Stage: UDF5_DESCR |
| UPDATE_DTTM | | Stage: UPDATE_DTTM |
| DELETE_IND | | 1 for deleted records, 0 for new/modified |
| CALLER_NAME | Caller Name | Stage: CALLER_NAME |
| PHONE_NBR | Phone Number | Stage: PHONE_NBR |
| COMPLAINT | Call Clues | Stage: COMPLAINT |
| COMMENTS | Call Comments | Stage: COMMENTS |
| SRC_INCIDENT_ID | Call Number | Stage: SRC_INCIDENT_ID |

Crew Dimension <CD_CREW>

Properties

| Property | Value |
|------------|-----------|
| Table Type | Dimension |
| SCD Type | 2 |

Fields

| Column | OBIEE Field | Load |
|-----------------|---------------------------------|------------------------|
| CREW_KEY | Crew Key | Stage: CREW_CD |
| CREW_CD | Crew Code | Stage: CREW_CD |
| CREW_DESCR | Crew Description | Stage: CREW_DESCR |
| CREW_TYPE_CD | Crew Type Code | Stage: CREW_TYPE_CD |
| CREW_TYPE_DESCR | Crew Type Description | Stage: CREW_TYPE_DESCR |
| ORG_UNIT1_CD | Organization Unit 1 Code | Stage: ORG_UNIT1_CD |
| ORG_UNIT1_DESCR | Organization Unit 1 Description | Stage: ORG_UNIT1_DESCR |
| ORG_UNIT2_CD | Organization Unit 2 Code | Stage: ORG_UNIT2_CD |
| ORG_UNIT2_DESCR | Organization Unit 2 Description | Stage: ORG_UNIT2_DESCR |
| ORG_UNIT3_CD | Organization Unit 3 Code | Stage: ORG_UNIT3_CD |
| ORG_UNIT3_DESCR | Organization Unit 3 Description | Stage: ORG_UNIT3_DESCR |

| Column | OBIEE Field | Load |
|-----------------|--------------------------------|----------------------------------|
| SRC_CREW_ID | Crew Id | Stage: CREW_ID |
| UDF1_CD | User Defined Field Code | Stage: UDF1_CD |
| UDF1_DESCR | User Defined Field Description | Stage: UDF1_DESCR |
| UDF2_CD | User Defined Field Code | Stage: UDF2_CD |
| UDF2_DESCR | User Defined Field Description | Stage: UDF2_DESCR |
| UDF3_CD | User Defined Field Code | Stage: UDF3_CD |
| UDF3_DESCR | User Defined Field Description | Stage: UDF3_DESCR |
| UDF4_CD | User Defined Field Code | Stage: UDF4_CD |
| UDF4_DESCR | User Defined Field Description | Stage: UDF4_DESCR |
| UDF5_CD | User Defined Field Code | Stage: UDF5_CD |
| UDF5_DESCR | User Defined Field Description | Stage: UDF5_DESCR |
| UDF6_CD | User Defined Field Code | Stage: UDF6_CD |
| UDF6_DESCR | User Defined Field Description | Stage: UDF6_DESCR |
| UDF7_CD | User Defined Field Code | Stage: UDF7_CD |
| UDF7_DESCR | User Defined Field Description | Stage: UDF7_DESCR |
| UDF8_CD | User Defined Field Code | Stage: UDF8_CD |
| UDF8_DESCR | User Defined Field Description | Stage: UDF8_DESCR |
| UDF9_CD | User Defined Field Code | Stage: UDF9_CD |
| UDF9_DESCR | User Defined Field Description | Stage: UDF9_DESCR |
| UDF10_CD | User Defined Field Code | Stage: UDF10_CD |
| UDF10_DESCR | User Defined Field Description | Stage: UDF10_DESCR |
| DATA_LOAD_DTTM | Data Load Date/Time | System Variable: CURRENT_DATE |
| DATA_SOURCE_IND | Data Source Indicator | Stage: DATA_SOURCE_IND |
| EFF_END_DTTM | Effective End Date/Time | System Variable: HIGH_DATE |
| EFF_START_DTTM | Effective Start Date/Time | UPDATE_DTTM |
| JOB_NBR | Job Number | Job Control: JOB_NBR |

Control Zone Dimension <CD_CTRL_ZONE>

Properties

| Property | Value |
|------------|-----------|
| Table Type | Dimension |
| SCD Type | 2 |

Fields

| Column | OBIEE Field | Load |
|-----------------|-------------------------|---|
| CTRL_ZONE_KEY | | SPL_CTRL_ZONE_SEQ.NEXTVAL |
| DATA_LOAD_DTTM | | SYSDATE |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| JOB_NBR | | B1_ETL_JOB_CTRL.JOB_NBR |
| EFF_START_DTTM | | Stage: UPDATE_DTTM |
| EFF_END_DTTM | | For Inserts 31-DEC-2999 23:59:59 For Updates, new record gets 31-dec-2999 23:59:59, and old record gets EFF_START_DTTM – 1 second For Deletes, date that records was deleted from NMS |
| SRC_NCG_ID | NCG | Stage: SRC_NCG_ID |
| HIERARCHY_TYPE | Hierarchy Type | Stage: HIERARCHY_TYPE |
| CTRL_ZONE_NAME | Control Zone | Stage: CTRL_ZONE_NAME |
| UDF1_CD | User Defined Field Code | Stage: UDF1_CD |
| UDF1_DESCR | Company | Stage: UDF1_DESCR |
| UDF2_CD | User Defined Field Code | Stage: UDF2_CD |
| UDF2_DESCR | Region | Stage: UDF2_DESCR |
| UDF3_CD | User Defined Field Code | Stage: UDF3_CD |
| UDF3_DESCR | Branch | Stage: UDF3_DESCR |
| UDF4_CD | User Defined Field Code | Stage: UDF4_CD |
| UDF4_DESCR | Substation | Stage: UDF4_DESCR |
| UDF5_CD | User Defined Field Code | Stage: UDF5_CD |
| UDF5_DESCR | Feeder | Stage: UDF5_DESCR |
| UDF6_CD | User Defined Field Code | Stage: UDF6_CD |

| Column | OBIEE Field | Load |
|-------------|--------------------------------------|--------------------|
| UDF6_DESCR | User Defined Field 6 Description | Stage: UDF6_DESCR |
| UDF7_CD | User Defined Field Code | Stage: UDF7_CD |
| UDF7_DESCR | User Defined Field 7 Description | Stage: UDF7_DESCR |
| UDF8_CD | User Defined Field Code | Stage: UDF8_CD |
| UDF8_DESCR | User Defined Field 8 Description | Stage: UDF8_DESCR |
| UDF9_CD | User Defined Field Code | Stage: UDF9_CD |
| UDF9_DESCR | User Defined Field 9 Description | Stage: UDF9_DESCR |
| UDF10_CD | User Defined Field Code | Stage: UDF10_CD |
| UDF10_DESCR | User Defined Field 10 Description | Stage: UDF10_DESCR |

Date Dimension <CD_DATE>

Properties

| Property | Value |
|------------|--|
| Table Type | Dimension |
| SCD Type | 1 |
| Comment | <p>This dimension is unusual in that it does NOT have an extract program. Rather, a utility generates the rows in this dimension.</p> <p>This utility is supplied in the form of a database stored procedure called SPL_LOADDATE. This stored procedure is delivered with the Oracle Warehouse Builder package. Note that the same procedure is also included in the initial data warehouse setup workflow package called INIT_PKG for the execution.</p> <p>This stored procedure has start date and end date as input parameters. These dates should be defined in the format:</p> <p>- start date: to_date('20000101','YYYYMMDD')</p> <p>- end date: to_date('20090331','YYYYMMDD')</p> |

Fields

| Column | OBIEE Field | Load |
|------------------|-------------------------------|--|
| DATE_KEY | | SPL_DATE_SEQ.NEXTVAL |
| CAL_DT | Calendar Date | Date between the Start and End Date provided to the SPL_LOADDATE procedure |
| DAY_NBR_IN_MONTH | Day Number in Month (1-31) | TO_NUMBER(TO_CHAR(CAL_DT, 'DD')) |
| DAY_NBR_IN_WEEK | Day Number in Week (1-7) | TO_NUMBER(TO_CHAR(CAL_DT, 'D')) |
| DAY_NBR_IN_YEAR | Day number in Year (1-366) | TO_NUMBER(TO_CHAR(CAL_DT, 'DDD')) |
| WORK_DAY_IND | Work Day Indicator | 0 |
| ABS_MONTH_NBR | Absolute Month Number | Incremental number of the month, starting at 0 |
| CAL_MONTH_NBR | Calendar Month Number (1-12) | TO_NUMBER(TO_CHAR(CAL_DT, 'MM')) |
| MONTH_END_DT | Month End Date | LAST_DAY(CAL_DT) |
| ABS_QTR_NBR | Absolute Quarter Number | Incremental number of the quarter, starting at 0 |
| CAL_QTR_NBR | Calendar Quarter Number (1-4) | TO_NUMBER(TO_CHAR(CAL_DT, 'Q')) |
| QTR_END_DT | Quarter End Date | ADD_MONTHS(TRUNC(CAL_DT, 'Q'), 3) - 1 |
| ABS_WEEK_NBR | Absolute Week Number | Incremental number of the week, starting at 0 |
| CAL_WEEK_NBR | Calendar Week Number (1-53) | TO_NUMBER(TO_CHAR(CAL_DT, 'WW')) |
| WEEK_END_DT | Week End Date | CAL_DT + (7 - DAY_NBR_IN_WEEK); |
| CAL_YEAR | Calendar Year | TO_NUMBER(TO_CHAR(CAL_DT, 'YYYY')) |
| YEAR_END_DT | Year End Date | ADD_MONTHS(TRUNC(CAL_DT, 'YYYY'), 12) - 1; |
| UDF1_CD | User Defined Field Code | DAY_NBR_IN_WEEK |
| UDF1_DESCR | Day of Week | TO_CHAR(CAL_DT, 'Day') |
| UDF2_CD | User Defined Field Code | CAL_QTR_NBR |
| UDF2_DESCR | Calendar Quarter | 'Quarter ' trim(to_char(CAL_QTR_NBR)) |

| Column | OBIEE Field | Load |
|-------------|--------------------------------------|--|
| UDF3_CD | User Defined Field Code | If Month in 'December, January, February', then Winter, If Month in 'March, April, May', then Spring, If Month in 'June, July, August', then Summer, If Month in 'September, October, Novemeber', then Fall |
| UDF3_DESCR | Season | If Month in 'December, January, February', then Winter, If Month in 'March, April, May', then Spring, If Month in 'June, July, August', then Summer, If Month in 'September, October, Novemeber', then Fall |
| UDF4_CD | User Defined Field Code | WORK_DAY_IND |
| UDF4_DESCR | Workday | 'Yes', 'No' |
| UDF5_CD | User Defined Field Code | CAL_MONTH_NBR |
| UDF5_DESCR | Calendar Month | TO_CHAR(CAL_DT, 'Month') |
| UDF6_CD | User Defined Field Code | |
| UDF6_DESCR | User Defined Field 6 Description | |
| UDF7_CD | User Defined Field Code | |
| UDF7_DESCR | User Defined Field 7 Description | |
| UDF8_CD | User Defined Field Code | |
| UDF8_DESCR | User Defined Field 8 Description | |
| UDF9_CD | User Defined Field Code | |
| UDF9_DESCR | User Defined Field 9 Description | |
| UDF10_CD | User Defined Field Code | |
| UDF10_DESCR | User Defined Field 10 Description | |
| | Month | trim(trailing '' from UDF5_DESCR '' cast(CAL_YEAR as CHARACTER (30))) |
| | Quarter | trim(trailing '' from UDF2_DESCR '' cast(CAL_YEAR as CHARACTER (30))) |

| Column | OBIEE Field | Load |
|--------|--------------------------|----------------------|
| | Calendar Day (Only Date) | cast(CAL_DT as DATE) |

Device Dimension <CD_DEVICE>

Properties

| Property | Value |
|------------|-----------|
| Table Type | Dimension |
| SCD Type | 2 |

Fields

| Column | OBIEE Field | Load |
|--------------------|----------------------------------|---|
| DEVICE_KEY | | SPL_DEVICE_SEQ.NEXTVAL |
| DATA_LOAD_DTTM | | SYSDATE |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| JOB_NBR | | B1_ETL_JOB_CTRL.JOB_NBR |
| EFF_START_DTTM | | Stage: UPDATE_DTTM |
| EFF_END_DTTM | | For Inserts 31-DEC-2999 23:59:59 For Updates, new record gets 31-dec-2999 23:59:59, and old record gets EFF_START_DTTM – 1 second For Deletes, date that records was deleted from NMS |
| SRC_DEVICE_CLS | Device Class | Stage: SRC_DEVICE_CLS |
| SRC_DEVICE_IDX | Device Index | Stage: SRC_DEVICE_IDX |
| DEVICE_NAME | Device name | Stage: DEVICE_NAME |
| DEVICE_TYPE_CD | | Stage: DEVICE_TYPE_CD |
| DEVICE_TYPE_DESCR | Device Type | Stage: DEVICE_TYPE_DESCR |
| DEVICE_CLASS_CD | | Stage: DEVICE_CLASS_CD |
| DEVICE_CLASS_DESCR | Device Class | Stage: DEVICE_CLASS_DESCR |
| UDF1_CD | User Defined Field Code | Stage: UDF1_CD |
| UDF1_DESCR | User Defined Field 1 Description | Stage: UDF1_DESCR |

| Column | OBIEE Field | Load |
|-------------|--------------------------------------|--------------------|
| UDF2_CD | User Defined Field Code | Stage: UDF2_CD |
| UDF2_DESCR | User Defined Field 2 Description | Stage: UDF2_DESCR |
| UDF3_CD | User Defined Field Code | Stage: UDF3_CD |
| UDF3_DESCR | User Defined Field 3 Description | Stage: UDF3_DESCR |
| UDF4_CD | User Defined Field Code | Stage: UDF4_CD |
| UDF4_DESCR | User Defined Field 4 Description | Stage: UDF4_DESCR |
| UDF5_CD | User Defined Field Code | Stage: UDF5_CD |
| UDF5_DESCR | User Defined Field 5 Description | Stage: UDF5_DESCR |
| UDF6_CD | User Defined Field Code | Stage: UDF6_CD |
| UDF6_DESCR | User Defined Field 6 Description | Stage: UDF6_DESCR |
| UDF7_CD | User Defined Field Code | Stage: UDF7_CD |
| UDF7_DESCR | User Defined Field 7 Description | Stage: UDF7_DESCR |
| UDF8_CD | User Defined Field Code | Stage: UDF8_CD |
| UDF8_DESCR | User Defined Field 8 Description | Stage: UDF8_DESCR |
| UDF9_CD | User Defined Field Code | Stage: UDF9_CD |
| UDF9_DESCR | User Defined Field 9 Description | Stage: UDF9_DESCR |
| UDF10_CD | User Defined Field Code | Stage: UDF10_CD |
| UDF10_DESCR | User Defined Field 10 Description | Stage: UDF10_DESCR |

Event Dimension <CD_EVENT>

Properties

| Property | Value |
|------------|-----------|
| Table Type | Dimension |
| SCD Type | 1 |

Fields

| Column | OBIEE Field | Load |
|-------------------|-------------------------|---|
| EVENT_KEY | | SPL_EVENT_SEQ.NEXTVAL |
| DATA_LOAD_DTTM | | SYSDATE |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| SRC_NBR | Number (Natural Key) | Stage: SRC_NBR |
| EVENT_NBR | Event Number | Stage: EVENT_NBR |
| DELETE_IND | | 1 for deleted records, 0 for new/ modified |
| EXCLUDE_REASON | Exclude Reason | Stage: EXCLUDE_REASON |
| OPERATOR_COMMENT | Operator Comment | Stage: OPERATOR_COMMENT |
| EVENT_STATE_DESCR | Event Status | Stage: EVENT_STATE_DESCR |
| EVENT_STATE_CD | | Stage: EVENT_STATE_CD |
| UDF1_CD | User Defined Field Code | Stage: UDF1_CD |
| UDF1_DESCR | Scheduled | Stage: UDF1_DESCR |
| UDF2_CD | User Defined Field Code | Stage: UDF2_CD |
| UDF2_DESCR | Utility Error | Stage: UDF2_DESCR |
| UDF3_CD | User Defined Field Code | Stage: UDF3_CD |
| UDF3_DESCR | Other | Stage: UDF3_DESCR |
| UDF4_CD | User Defined Field Code | Stage: UDF4_CD |
| UDF4_DESCR | Foreign Interference | Stage: UDF4_DESCR |
| UDF5_CD | User Defined Field Code | Stage: UDF5_CD |
| UDF5_DESCR | Vegetation | Stage: UDF5_DESCR |
| UDF6_CD | User Defined Field Code | Stage: UDF6_CD |
| UDF6_DESCR | Defective Equipment | Stage: UDF6_DESCR |
| UDF7_CD | User Defined Field Code | Stage: UDF7_CD |
| UDF7_DESCR | Environment | Stage: UDF7_DESCR |
| UDF8_CD | User Defined Field Code | Stage: UDF8_CD |
| UDF8_DESCR | Weather | Stage: UDF8_DESCR |
| UDF9_CD | User Defined Field Code | Stage: UDF9_CD |
| UDF9_DESCR | Outage Cause | Stage: UDF9_DESCR |
| UDF10_CD | User Defined Field Code | Stage: UDF10_CD |
| UDF10_DESCR | Detailed Cause | Stage: UDF10_DESCR |
| UDF11_CD | User Defined Field Code | Stage: UDF11_CD |

| Column | OBIEE Field | Load |
|-----------------|-----------------------------------|-------------------------|
| UDF11_DESCR | Priority | Stage: UDF11_DESCR |
| UDF12_CD | User Defined Field Code | Stage: UDF12_CD |
| UDF12_DESCR | Standard Remarks | Stage: UDF12_DESCR |
| UDF13_CD | User Defined Field Code | Stage: UDF13_CD |
| UDF13_DESCR | User Defined Field 13 Description | Stage: UDF13_DESCR |
| UDF14_CD | User Defined Field Code | Stage: UDF14_CD |
| UDF14_DESCR | User Defined Field 14 Description | Stage: UDF14_DESCR |
| UDF15_CD | User Defined Field Code | Stage: UDF15_CD |
| UDF15_DESCR | User Defined Field 15 Description | Stage: UDF15_DESCR |
| UPDATE_DTTM | | Stage: UPDATE_DTTM |
| JOB_NBR | Job Number | B1_ETL_JOB_CTRL.JOB_NBR |
| X_COORDINATE | X Coordinate | Stage: X_COORDINATE |
| Y_COORDINATE | Y Coordinate | Stage: Y_COORDINATE |
| FIRST_CALL_ADDR | First Call Address | Stage: FIRST_CALL_ADDR |
| REMEDY_CD | Remedy | Stage: REMEDY_CD |
| TROUBLE_CD_LIST | Trouble Code | Stage: TROUBLE_CD_LIST |
| UDF16_CD | User Defined Field Code | Stage: UDF16_CD |
| UDF16_DESCR | User Defined Field 16 Description | Stage: UDF16_DESCR |
| UDF17_CD | User Defined Field Code | Stage: UDF17_CD |
| UDF17_DESCR | User Defined Field 17 Description | Stage: UDF17_DESCR |
| UDF18_CD | User Defined Field Code | Stage: UDF18_CD |
| UDF18_DESCR | User Defined Field 18 Description | Stage: UDF18_DESCR |
| UDF19_CD | User Defined Field Code | Stage: UDF19_CD |
| UDF19_DESCR | User Defined Field 19 Description | Stage: UDF19_DESCR |
| UDF20_CD | User Defined Field Code | Stage: UDF20_CD |
| UDF20_DESCR | User Defined Field 20 Description | Stage: UDF20_DESCR |
| UDF21_CD | User Defined Field Code | Stage: UDF21_CD |
| UDF21_DESCR | User Defined Field 21 Description | Stage: UDF21_DESCR |
| UDF22_CD | User Defined Field Code | Stage: UDF22_CD |
| UDF22_DESCR | User Defined Field 22 Description | Stage: UDF22_DESCR |
| UDF23_CD | User Defined Field Code | Stage: UDF23_CD |
| UDF23_DESCR | User Defined Field 23 Description | Stage: UDF23_DESCR |
| UDF24_CD | User Defined Field Code | Stage: UDF24_CD |

| Column | OBIEE Field | Load |
|---------------|-----------------------------------|--------------------|
| UDF24_DESCR | User Defined Field 24 Description | Stage: UDF24_DESCR |
| UDF25_CD | User Defined Field Code | Stage: UDF25_CD |
| UDF25_DESCR | User Defined Field 25 Description | Stage: UDF25_DESCR |
| UDF26_CD | v | Stage: UDF26_CD |
| UDF26_DESCR | User Defined Field 26 Description | Stage: UDF26_DESCR |
| UDF27_CD | User Defined Field Code | Stage: UDF27_CD |
| UDF27_DESCR | User Defined Field 27 Description | Stage: UDF27_DESCR |
| UDF28_CD | User Defined Field Code | Stage: UDF28_CD |
| UDF28_DESCR | User Defined Field 28 Description | Stage: UDF28_DESCR |
| UDF29_CD | User Defined Field Code | Stage: UDF29_CD |
| UDF29_DESCR | User Defined Field 29 Description | Stage: UDF29_DESCR |
| UDF30_CD | User Defined Field Code | Stage: UDF30_CD |
| UDF30_DESCR | User Defined Field 30 Description | Stage: UDF30_DESCR |
| UDF31_CD | User Defined Field Code | Stage: UDF31_CD |
| UDF31_DESCR | User Defined Field 31 Description | Stage: UDF31_DESCR |
| UDF32_CD | User Defined Field Code | Stage: UDF32_CD |
| UDF32_DESCR | User Defined Field 32 Description | Stage: UDF32_DESCR |
| UDF33_CD | User Defined Field Code | Stage: UDF33_CD |
| UDF33_DESCR | User Defined Field 33 Description | Stage: UDF33_DESCR |
| UDF34_CD | User Defined Field Code | Stage: UDF34_CD |
| UDF34_DESCR | User Defined Field 34 Description | Stage: UDF34_DESCR |
| UDF35_CD | User Defined Field Code | Stage: UDF35_CD |
| UDF35_DESCR | User Defined Field 35 Description | Stage: UDF35_DESCR |
| UDF36_CD | User Defined Field Code | Stage: UDF36_CD |
| UDF36_DESCR | User Defined Field 36 Description | Stage: UDF36_DESCR |
| UDF37_CD | User Defined Field Code | Stage: UDF37_CD |
| UDF37_DESCR | User Defined Field 37 Description | Stage: UDF37_DESCR |
| UDF38_CD | User Defined Field Code | Stage: UDF38_CD |
| UDF38_DESCR | Device Class | Stage: UDF38_DESCR |
| UDF39_CD | User Defined Field Code | Stage: UDF39_CD |
| UDF39_DESCR | Device Index | Stage: UDF39_DESCR |
| UDF40_CD | User Defined Field Code | Stage: UDF40_CD |
| UDF40_DESCR | Customer Message | Stage: UDF40_DESCR |

Event Status Dimension < CD_EVENT_STATUS >

Properties

| Property | Value |
|------------|-----------|
| Table Type | Dimension |
| SCD Type | 1 |

Fields

| Column | OBIEE Field | Load |
|--------------------|-------------------------------------|----------------------------------|
| EVENT_STATUS_KEY | | SPL_EVENT_STATUS_SEQ.N EXTVAL |
| DATA_LOAD_DTTM | | SYSDATE |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| JOB_NBR | | B1_ETL_JOB_CTRL.JOB_NBR |
| SRC_STATUS | Status (Natural Key) | Stage: SRC_STATUS |
| EVENT_STATUS_CD | | Stage: EVENT_STATUS_CD |
| EVENT_STATUS_DESCR | Event Type | Stage: EVENT_STATUS_DESCR |
| UDF1_CD | User Defined Field Code | Stage: UDF1_CD |
| UDF1_DESCR | User Defined Field 1 Description | Stage: UDF1_DESCR |
| UDF2_CD | User Defined Field Code | Stage: UDF2_CD |
| UDF2_DESCR | User Defined Field 2 Description | Stage: UDF2_DESCR |
| UPDATE_DTTM | | Stage: UPDATE_DTTM |
| UDF3_CD | User Defined Field Code | Stage: UDF3_CD |
| UDF3_DESCR | User Defined Field 3 Description | Stage: UDF3_DESCR |
| UDF4_CD | User Defined Field Code | Stage: UDF4_CD |
| UDF4_DESCR | User Defined Field 4 Description | Stage: UDF4_DESCR |
| UDF5_CD | User Defined Field Code | Stage: UDF5_CD |
| UDF5_DESCR | User Defined Field 5 Description | Stage: UDF5_DESCR |

Feeder Dimension <CD_FEEDER>

Properties

| Property | Value |
|------------|-----------|
| Table Type | Dimension |
| SCD Type | 2 |

Fields

| Column | OBIEE Field | Load |
|-----------------|----------------------------------|---|
| FEEDER_KEY | | SPL_FEEDER_SEQ.NEXTVAL |
| DATA_LOAD_DTTM | | SYSDATE |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| EFF_START_DTTM | | Stage: UPDATE_DTTM |
| EFF_END_DTTM | | For Inserts 31-DEC-2999 23:59:59 For Updates, new record gets 31-dec-2999 23:59:59, and old record gets EFF_START_DTTM – 1 second For Deletes, date that records was deleted from NMS |
| JOB_NBR | Job Number | B1_ETL_JOB_CTRL.JOB_NBR |
| SRC_FEEDER_CLS | Feeder Class | Stage: SRC_FEEDER_CLS |
| SRC_FEEDER_IDX | Feeder Index | Stage: SRC_FEEDER_IDX |
| FEEDER_NAME | Feeder Name | Stage: FEEDER_NAME |
| SUBSTN_CD | | Stage: SUBSTN_CD |
| SUBSTN_DESCR | Substation | Stage: SUBSTN_DESCR |
| UDF1_CD | User Defined Field Code | Stage: UDF1_CD |
| UDF1_DESCR | User Defined Field 1 Description | Stage: UDF1_DESCR |
| UDF2_CD | User Defined Field Code | Stage: UDF2_CD |
| UDF2_DESCR | User Defined Field 2 Description | Stage: UDF2_DESCR |
| UDF3_CD | User Defined Field Code | Stage: UDF3_CD |
| UDF3_DESCR | User Defined Field 3 Description | Stage: UDF3_DESCR |
| UDF4_CD | User Defined Field Code | Stage: UDF4_CD |

| Column | OBIEE Field | Load |
|-------------|--------------------------------------|--------------------|
| UDF4_DESCR | User Defined Field 4 Description | Stage: UDF4_DESCR |
| UDF5_CD | User Defined Field Code | Stage: UDF5_CD |
| UDF5_DESCR | User Defined Field 5 Description | Stage: UDF5_DESCR |
| UDF6_CD | User Defined Field Code | Stage: UDF6_CD |
| UDF6_DESCR | User Defined Field 6 Description | Stage: UDF6_DESCR |
| UDF7_CD | User Defined Field Code | Stage: UDF7_CD |
| UDF7_DESCR | User Defined Field 7 Description | Stage: UDF7_DESCR |
| UDF8_CD | User Defined Field Code | Stage: UDF8_CD |
| UDF8_DESCR | User Defined Field 8 Description | Stage: UDF8_DESCR |
| UDF9_CD | User Defined Field Code | Stage: UDF9_CD |
| UDF9_DESCR | User Defined Field 9 Description | Stage: UDF9_DESCR |
| UDF10_CD | User Defined Field Code | Stage: UDF10_CD |
| UDF10_DESCR | User Defined Field 10 Description | Stage: UDF10_DESCR |

Meter Dimension <CD_METER>

Properties

| Property | Value |
|------------|-----------|
| Table Type | Dimension |
| SCD Type | 2 |

Fields

| Column | OBIEE Field | Load |
|-----------------|-------------|-------------------------|
| METER_KEY | | SPL_METER_SEQ.NEXTVAL |
| DATA_LOAD_DTTM | | SYSDATE |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| JOB_NBR | Job Number | B1_ETL_JOB_CTRL.JOB_NBR |

| Column | OBIEE Field | Load |
|----------------|----------------------------------|---|
| EFF_START_DTTM | | Stage: UPDATE_DTTM |
| EFF_END_DTTM | | For Inserts 31-DEC-2999 23:59:59 For Updates, new record gets 31-dec-2999 23:59:59, and old record gets EFF_START_DTTM – 1 second For Deletes, date that records was deleted from NMS |
| SRC_METER_ID | Meter ID | Stage: SRC_METER_ID |
| METER_INFO | Meter Number | Stage: METER_INFO |
| UDF1_CD | User Defined Field Code | Stage: UDF1_CD |
| UDF1_DESCR | Meter Type | Stage: UDF1_DESCR |
| UDF2_CD | User Defined Field Code | Stage: UDF2_CD |
| UDF2_DESCR | User Defined Field 2 Description | Stage: UDF2_DESCR |
| UDF3_CD | User Defined Field Code | Stage: UDF3_CD |
| UDF3_DESCR | User Defined Field 3 Description | Stage: UDF3_DESCR |
| UDF4_CD | User Defined Field Code | Stage: UDF4_CD |
| UDF4_DESCR | User Defined Field 4 Description | Stage: UDF4_DESCR |
| UDF5_CD | User Defined Field Code | Stage: UDF5_CD |
| UDF5_DESCR | User Defined Field 5 Description | Stage: UDF5_DESCR |

Person Dimension <CD_PER>

Properties

| Property | Value |
|------------|-----------|
| Table Type | Dimension |
| SCD Type | 2 |

Fields

| Column | OBIEE Field | Load |
|---------|-------------|---------------------|
| PER_KEY | | SPL_PER_SEQ.NEXTVAL |

| Column | OBIEE Field | Load |
|-----------------|---------------------------|---|
| BUSINESS_IND | Person/Business Indictaor | Stage: BUSINESS_IND |
| DATA_LOAD_DTTM | | SYSDATE |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| PER_NAME | Customer Name | Stage: NAME |
| PER_PHONE_NBR | Customer Phone | Stage: PHONE |
| SRC_PER_ID | Person Id | Stage: PERSON_ID |
| PER_INFO | Customer Information | Stage: PER_INFO |
| UDF1_CD | User Defined Field Code | Stage: UDF1_CD |
| UDF1_DESCR | Life Support Flag | Stage: UDF1_DESCR |
| UDF2_CD | User Defined Field Code | Stage: UDF2_CD |
| UDF2_DESCR | Person 1 Char | Stage: UDF2_DESCR |
| UDF3_CD | User Defined Field Code | Stage: UDF3_CD |
| UDF3_DESCR | Person 2 Char | Stage: UDF3_DESCR |
| UDF4_CD | User Defined Field Code | Stage: UDF4_CD |
| UDF4_DESCR | Person 3 Char | Stage: UDF4_DESCR |
| UDF5_CD | User Defined Field Code | Stage: UDF5_CD |
| UDF5_DESCR | Person 4 Char | Stage: UDF5_DESCR |
| EFF_END_DTTM | | For Inserts 31-DEC-2999 23:59:59 For Updates, new record gets 31- dec-2999 23:59:59, and old record gets EFF_START_DTTM – 1 second For Deletes, date that records was deleted from NMS |
| EFF_START_DTTM | | Stage: UPDATE_DTTM |
| JOB_NBR | Job Number | B1_ETL_JOB_CTRL.JOB_NBR |

Phase Dimension <CD_PHASE>

Properties

| Property | Value |
|------------|-----------|
| Table Type | Dimension |
| SCD Type | 2 |

Fields

| Column | OBIEE Field | Load |
|-----------------|----------------------------------|---|
| PHASE_KEY | | SPL_PHASE_SEQ.NEXTVAL |
| DATA_LOAD_DTTM | | SYSDATE |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| EFF_START_DTTM | | Stage: UPDATE_DTTM |
| EFF_END_DTTM | | For Inserts 31-DEC-2999 23:59:59 For Updates, new record gets 31-dec-2999 23:59:59, and old record gets EFF_START_DTTM – 1 second For Deletes, date that records was deleted from NMS |
| JOB_NBR | Job Number | B1_ETL_JOB_CTRL.JOB_NBR |
| SRC_PHASE_ID | Phase ID | Stage: SRC_PHASE_ID |
| PHASE_CD | | Stage: PHASE_CD |
| PHASE_DESCR | Phase | Stage: PHASE_DESCR |
| UDF1_CD | User Defined Field Code | Stage: UDF1_CD |
| UDF1_DESCR | User Defined Field 1 Description | Stage: UDF1_DESCR |
| UDF2_CD | User Defined Field Code | Stage: UDF2_CD |
| UDF2_DESCR | User Defined Field 2 Description | Stage: UDF2_DESCR |

Premise Dimension <CD_PREM>**Properties**

| Property | Value |
|------------|-----------|
| Table Type | Dimension |
| SCD Type | 2 |

Fields

| Column | OBIEE Field | Load |
|-----------------|-------------|------------------------|
| PREM_KEY | | SPL_PREM_SEQ.NEXTVAL |
| DATA_LOAD_DTTM | | SYSDATE |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |

| Column | OBIEE Field | Load |
|----------------|-------------------------|---|
| SRC_PREM_ID | CC&B Premise ID | Stage: SRC_PREM_ID |
| PREM_INFO | Premise Information | Stage: PREM_INFO |
| UDF10_CD | User Defined Field Code | Stage: UDF10_CD |
| UDF10_DESCR | Premise Char 5 | Stage: UDF10_DESCR |
| UDF1_CD | User Defined Field Code | Stage: UDF1_CD |
| UDF1_DESCR | Jurisdiction | Stage: UDF1_DESCR |
| UDF2_CD | User Defined Field Code | Stage: UDF2_CD |
| UDF2_DESCR | Premise Type | Stage: UDF2_DESCR |
| UDF3_CD | User Defined Field Code | Stage: UDF3_CD |
| UDF3_DESCR | Life Support Flag | Stage: UDF3_DESCR |
| UDF4_CD | User Defined Field Code | Stage: UDF4_CD |
| UDF4_DESCR | Trend Area | Stage: UDF4_DESCR |
| UDF5_CD | User Defined Field Code | Stage: UDF5_CD |
| UDF5_DESCR | In City Limit | Stage: UDF5_DESCR |
| UDF6_CD | User Defined Field Code | Stage: UDF6_CD |
| UDF6_DESCR | Critical Customer | Stage: UDF6_DESCR |
| UDF7_CD | User Defined Field Code | Stage: UDF7_CD |
| UDF7_DESCR | Medical Customer | Stage: UDF7_DESCR |
| UDF8_CD | User Defined Field Code | Stage: UDF8_CD |
| UDF8_DESCR | Key Customer | Stage: UDF8_DESCR |
| UDF9_CD | User Defined Field Code | Stage: UDF9_CD |
| UDF9_DESCR | Premise Char 4 | Stage: UDF9_DESCR |
| EFF_END_DTTM | | For Inserts 31-DEC-2999 23:59:59 For Updates, new record gets 31-dec-2999 23:59:59, and old record gets EFF_START_DTTM – 1 second For Deletes, date that records was deleted from NMS |
| EFF_START_DTTM | | Stage: UPDATE_DTTM |
| JOB_NBR | Job Number | B1_ETL_JOB_CTRL.JOB_NBR |
| | Critical Customer Type | Null, Critical, Medical or Key based on values in UDF6_CD, UDF7_CD and UDF8_CD |

Snapshot Type Dimension <CD_SNAP_TYPE>

Properties

| Property | Value |
|------------|--|
| Table Type | Dimension |
| SCD Type | 1 |
| Comment | <p>This dimension is unusual in that it does NOT have an extract program. Rather, a utility generates the rows in this dimension.</p> <p>This utility is supplied in the form of a database stored procedure called SPL_LOADSNAPTYPE. This stored procedure is delivered with the Oracle Warehouse Builder package. Note, the same procedure is also included in the initial data warehouse setup workflow package called INIT_PKG for the execution.</p> <p>This stored procedure stores the following values:</p> <p>Y: yearly Q: quarterly M: monthly W: weekly D: daily H: hourly A: adhoc</p> |

Fields

| Column | OBIEE Field | Load |
|-----------------|---------------------------|--|
| SNAP_TYPE_CD | Snapshot Type | Y, Q, M, W, D, H, A |
| SNAP_TYPE_DESCR | Snapshot Type Description | Yearly Quarterly Monthly Weekly Daily Hourly Adhoc |

Supply Node Lookup Dimension <CD_SNL>

Properties

| Property | Value |
|------------|--------------------------------------|
| Table Type | Dimension |
| SCD Type | 2 |
| Comment | This table is not available in OBIEE |

Fields

| Column | OBIEE Field | Load |
|-----------------|-------------|---|
| SNL_KEY | | SPL_SNL_SEQ.NEXTVAL |
| DATA_LOAD_DTTM | | SYSDATE |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| JOB_NBR | | B1_ETL_JOB_CTRL.JOB_NBR |
| EFF_START_DTTM | | Stage: UPDATE_DTTM |
| EFF_END_DTTM | | For Inserts 31-DEC-2999 23:59:59 For Updates, new record gets 31-dec-2999 23:59:59, and old record gets EFF_START_DTTM – 1 second For Deletes, date that records was deleted from NMS |
| SRC_METER_ID | | Stage: SRC_METER_ID |
| SRC_PERSON_ID | | Stage: SRC_PERSON_ID |
| SRC_PREMISE_ID | | Stage: SRC_PREMISE_ID |
| SRC_ACCOUNT_ID | | Stage: SRC_ACCOUNT_ID |
| SRC_ADDR_ID | | Stage: SRC_ADDR_ID |
| DEVICE_ID | | Stage: DEVICE_ID |
| FEEDER_ID | | Stage: FEEDER_ID |
| NCG_ID | | Stage: NCG_ID |

Storm Dimension <CD_STORM>

Properties

| Property | Value |
|------------|-----------|
| Table Type | Dimension |
| SCD Type | 1 |

Fields

| Column | OBIEE Field | Load |
|--------------------|----------------------------------|------------------------------|
| STORM_KEY | | SPL_STORM_SEQ.NEXTVAL |
| DATA_LOAD_DTTM | | SYSDATE |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| UPDATE_DTTM | | Stage: UPDATE_DTTM |
| JOB_NBR | Job Number | B1_ETL_JOB_CTRL.JOB_NBR |
| SRC_STORM_NAME | Storm Name | Stage: SRC_STORM_NAME |
| SRC_STORM_NAME_SFX | Storm Name Suffix | Stage: SRC_STORM_NAME_SFX |
| STORM_TYPE_CD | | Stage: STORM_TYPE_CD |
| STORM_TYPE_DESCR | Storm Type | Stage: STORM_TYPE_DESCR |
| STORM_LEVEL_CD | | Stage: STORM_LEVEL_CD |
| STORM_LEVEL_DESCR | Storm Level | Stage: STORM_LEVEL_DESCR |
| STORM_START_DTTM | Date/Time the Storm Started | Stage: STORM_START_DTTM |
| STORM_END_DTTM | Date/Time the Storm Ended | Stage: STORM_END_DTTM |
| UDF1_CD | User Defined Field Code | Stage: UDF1_CD |
| UDF1_DESCR | User Defined Field 1 Description | Stage: UDF1_DESCR |
| UDF2_CD | User Defined Field Code | Stage: UDF2_CD |
| UDF2_DESCR | User Defined Field 2 Description | Stage: UDF2_DESCR |
| UDF3_CD | User Defined Field Code | Stage: UDF3_CD |
| UDF3_DESCR | User Defined Field 3 Description | Stage: UDF3_DESCR |
| UDF4_CD | User Defined Field Code | Stage: UDF4_CD |

| Column | OBIEE Field | Load |
|-------------|--------------------------------------|--------------------|
| UDF4_DESCR | User Defined Field 4 Description | Stage: UDF4_DESCR |
| UDF5_CD | User Defined Field Code | Stage: UDF5_CD |
| UDF5_DESCR | User Defined Field 5 Description | Stage: UDF5_DESCR |
| UDF6_CD | User Defined Field Code | Stage: UDF6_CD |
| UDF6_DESCR | User Defined Field 6 Description | Stage: UDF6_DESCR |
| UDF7_CD | User Defined Field Code | Stage: UDF7_CD |
| UDF7_DESCR | User Defined Field 7 Description | Stage: UDF7_DESCR |
| UDF8_CD | User Defined Field Code | Stage: UDF8_CD |
| UDF8_DESCR | User Defined Field 8 Description | Stage: UDF8_DESCR |
| UDF9_CD | User Defined Field Code | Stage: UDF9_CD |
| UDF9_DESCR | User Defined Field 9 Description | Stage: UDF9_DESCR |
| UDF10_CD | User Defined Field Code | Stage: UDF10_CD |
| UDF10_DESCR | User Defined Field 10 Description | Stage: UDF10_DESCR |

Storm Outage Type Dimension <CD_STORM_OUTAGE_TYPE>

Properties

| Property | Value |
|------------|-----------|
| Table Type | Dimension |
| SCD Type | 1 |

Fields

| Column | OBIEE Field | Load |
|-----------------------|-------------|----------------------------------|
| STORM_OUTAGE_TYPE_KEY | | SPL_STORM_OUTAGE_TYPE_SEQNEXTVAL |
| DATA_LOAD_DTTM | | SYSDATE |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| UPDATE_DTTM | | Stage: UPDATE_DTTM |

| Column | OBIEE Field | Load |
|-------------------|-------------------------------------|-----------------------------|
| JOB_NBR | Job Number | B1_ETL_JOB_CTRL.JOB_NBR |
| SRC_OUTAGE_TYPE | Outage Type Code | Stage: SRC_OUTAGE_TYPE |
| OUTAGE_TYPE_CD | | Stage: OUTAGE_TYPE_CD |
| OUTAGE_TYPE_DESCR | Outage Type | Stage: OUTAGE_TYPE_DESCR |
| UDF1_CD | User Defined Field Code | Stage: UDF1_CD |
| UDF1_DESCR | User Defined Field 1 Description | Stage: UDF1_DESCR |
| UDF2_CD | User Defined Field Code | Stage: UDF2_CD |
| UDF2_DESCR | User Defined Field 2 Description | Stage: UDF2_DESCR |

Switch Plan Dimension <CD_SW_PLAN>

Properties

| Property | Value |
|------------|-----------|
| Table Type | Dimension |
| SCD Type | 1 |

Fields

| Column | OBIEE Field | Load |
|-----------------|-------------------------------------|-------------------------|
| SW_PLAN_KEY | | SPL_SW_PLAN_SEQNEXTVAL |
| DATA_LOAD_DTTM | | SYSDATE |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| UPDATE_DTTM | | Stage: UPDATE_DTTM |
| JOB_NBR | Job Number | B1_ETL_JOB_CTRL.JOB_NBR |
| SRC_SW_PLAN_CLS | Switch Plan Class | Stage: SRC_SW_PLAN_CLS |
| SRC_SW_PLAN_IDX | Switch Plan Index | Stage: SRC_SW_PLAN_IDX |
| UDF1_CD | User Defined Field Code | Stage: UDF1_CD |
| UDF1_DESCR | User Defined Field 1 Description | Stage: UDF1_DESCR |
| UDF2_CD | User Defined Field Code | Stage: UDF2_CD |

| Column | OBIEE Field | Load |
|-----------------|--------------------------------------|-------------------------|
| UDF2_DESCR | User Defined Field 2 Description | Stage: UDF2_DESCR |
| UDF3_CD | User Defined Field Code | Stage: UDF3_CD |
| UDF3_DESCR | User Defined Field 3 Description | Stage: UDF3_DESCR |
| UDF4_CD | User Defined Field Code | Stage: UDF4_CD |
| UDF4_DESCR | User Defined Field 4 Description | Stage: UDF4_DESCR |
| UDF5_CD | User Defined Field Code | Stage: UDF5_CD |
| UDF5_DESCR | User Defined Field 5 Description | Stage: UDF5_DESCR |
| UDF6_CD | User Defined Field Code | Stage: UDF6_CD |
| UDF6_DESCR | User Defined Field 6 Description | Stage: UDF6_DESCR |
| UDF7_CD | User Defined Field Code | Stage: UDF7_CD |
| UDF7_DESCR | User Defined Field 7 Description | Stage: UDF7_DESCR |
| UDF8_CD | User Defined Field Code | Stage: UDF8_CD |
| UDF8_DESCR | User Defined Field 8 Description | Stage: UDF8_DESCR |
| UDF9_CD | User Defined Field Code | Stage: UDF9_CD |
| UDF9_DESCR | User Defined Field 9 Description | Stage: UDF9_DESCR |
| UDF10_CD | User Defined Field Code | Stage: UDF10_CD |
| UDF10_DESCR | User Defined Field 10 Description | Stage: UDF10_DESCR |
| SW_PLAN_KEY | | SPL_SW_PLAN_SEQ.NEXTVAL |
| DATA_LOAD_DTTM | | SYSDATE |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |

Switch Plan State Dimension <CD_SW_PLAN_STATE>

Properties

| Property | Value |
|------------|-----------|
| Table Type | Dimension |
| SCD Type | 1 |

Fields

| Column | OBIEE Field | Load |
|-------------------|-------------------------------------|-----------------------------------|
| SW_PLAN_STATE_KEY | | SPL_SW_PLAN_STATE_SEQ. NEXTVAL |
| DATA_LOAD_DTTM | | SYSDATE |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| UPDATE_DTTM | | Stage: UPDATE_DTTM |
| JOB_NBR | Job Number | B1_ETL_JOB_CTRL.JOB_NBR |
| SRC_STATE_KEY | | Stage: SRC_STATE_KEY |
| STATE_CD | | Stage: STATE_CD |
| STATE_DESCR | Switch Plan State | Stage: STATE_DESCR |
| UDF1_CD | User Defined Field Code | Stage: UDF1_CD |
| UDF1_DESCR | User Defined Field 1 Description | Stage: UDF1_DESCR |
| UDF2_CD | User Defined Field Code | Stage: UDF2_CD |
| UDF2_DESCR | User Defined Field 2 Description | Stage: UDF2_DESCR |

Time Dimension <CD_TIME>

Properties

| Property | Value |
|------------|-----------|
| Table Type | Dimension |
| SCD Type | 1 |

| | |
|---------|--|
| Comment | This dimension is unusual in that it does NOT have an extract program. Rather, a utility generates the rows in this dimension. This utility is supplied in the form of a database stored procedure called SPL_LOADTIME. This stored procedure is delivered with the Oracle Warehouse Builder package. Note that the same procedure is also included in the initial data warehouse setup workflow package called INIT_PKG for the execution. This stored procedure has no input parameters. |
|---------|--|

Fields

| Column | OBIEE Field | Load |
|----------------|-------------------------------------|---|
| TIME_KEY | | 0 - 81660 |
| DATA_LOAD_DTTM | | SYSDATE |
| SRC_TIME | Time (Natural Key) | 'HH:MI:SS' |
| AM_IND | AM Indicator | If Time < Noon, '1', else '0' |
| HOUR | Hour | 0 – 24 |
| MINUTE | Minute | 0 – 60 |
| SECOND | Second | 0 – 60 |
| UDF1_CD | User Defined Field Code | HOUR |
| UDF1_DESCR | Hour | HOUR |
| UDF2_CD | User Defined Field Code | 1 – 4 |
| UDF2_DESCR | 15 Minute Interval | 1 – 4 |
| UDF3_CD | User Defined Field Code | 1 – 12 |
| UDF3_DESCR | 5 Minute Interval | 1 – 12 |
| UDF4_CD | User Defined Field Code | 1 – 5 |
| UDF4_DESCR | Time of Day | 5AM to 9AM 9AM to 5PM 5PM TO 10PM 10PM TO 5AM Other |
| UDF5_CD | User Defined Field Code | |
| UDF5_DESCR | User Defined Field 5 Description | |

User Dimension <CD_USER>

Properties

| Property | Value |
|------------|-----------|
| Table Type | Dimension |
| SCD Type | 2 |

Fields

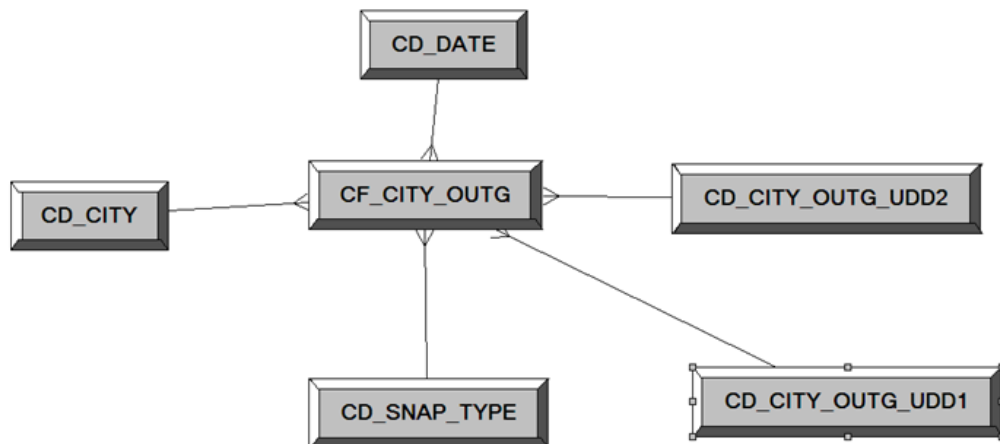
| Column | OBIEE Field | Load |
|-----------------|-------------------------------------|---|
| USER_KEY | | SPL_USER_SEQ.NEXTVAL |
| DATA_LOAD_DTTM | | SYSDATE |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| USER_DESCR | User | Stage: USER_NAME |
| USER_CD | | Stage: SOURCE_USER_ID |
| UDF1_CD | User Defined Field Code | Stage: UDF1_CD |
| UDF1_DESCR | User Defined Field 1 Description | Stage: UDF1_DESCR |
| UDF2_CD | User Defined Field Code | Stage: UDF2_CD |
| UDF2_DESCR | User Defined Field 2 Description | Stage: UDF2_DESCR |
| JOB_NBR | Job Number | B1_ETL_JOB_CTRL.JOB_NBR |
| EFF_START_DTTM | | Stage: UPDATE_DTTM |
| EFF_END_DTTM | | For Inserts 31-DEC-2999 23:59:59 For Updates, new record gets 31- dec-2999 23:59:59, and old record gets EFF_START_DTTM – 1 second For Deletes, date that records was deleted from NMS |
| UDF3_CD | User Defined Field Code | Stage: UDF3_CD |
| UDF3_DESCR | User Defined Field 3 Description | Stage: UDF3_DESCR |
| UDF4_CD | User Defined Field Code | Stage: UDF4_CD |
| UDF4_DESCR | User Defined Field 4 Description | Stage: UDF4_DESCR |
| UDF5_CD | User Defined Field Code | Stage: UDF5_CD |

| Column | OBIEE Field | Load |
|---------------|-------------------------------------|-------------------|
| UDF5_DESCR | User Defined Field 5 Description | Stage: UDF5_DESCR |

Fact Table Schema

City Outage Fact <CF_CITY_OUTG>

Entity Relationship Diagram



Properties

| Property | Value |
|------------------|------------------|
| Table Type | Fact |
| Fact Type | Snapshot |
| Default Analytic | Outage Analytics |

| Property | Value |
|--------------|--|
| Comment | <p>This fact is unusual in that it does NOT have an extract program. Rather, a snapshot procedure generates the rows in this fact.</p> <p>This fact is populated by calling the database stored procedure called SPL_OMS_SNAPSHOT_PKG.SPL_CITY_OUTG_SNAP_FNC. This stored procedure is delivered with the Oracle Warehouse Builder package, and contains the following parameters:</p> <ul style="list-style-type: none"> • P_INITIAL_LOAD. This is an initial load. • P_SNAP_TYPE_CD. Valid Snapshot type code from the CD_SNAP_TYPE dimension. • P_END_DATE. Date to use as an end date to the load. • P_DATA_SOURCE_IND. Data source indicator to be mark records. Default value is 4. • P_NUMBER_OF_PERIODS. Number of periods to load, counting back from the Begin Date. Default value is 1. • P_BEGIN_DATE. Begin date to use. The default value is calculated based on the End Date entered and the Snapshot type being loaded. • P_CEMI_COUNT. Value to use to determine if a customer experienced more than N interruptions during the period being calculated. Default value is 3. • P_MOM_DURATION. Momentary Duration in minutes to use for determining if an outage is a Momentary outage or a sustained outage. • P_DEBUG. This is a text string that defines if debug information will be created when the procedure is run. The default setting is no debug information. |
| Driver Table | CF_CUST_RECENT_OUTG |

Fields

| Column | OBIEE Field | Load |
|---------------|-----------------|-------------------------------|
| CITY_OUTG_KEY | | SPL_CTRL_ZONE_OUTG_SEQNEXTVAL |
| TMED_IND | Timed Indicator | '0' |

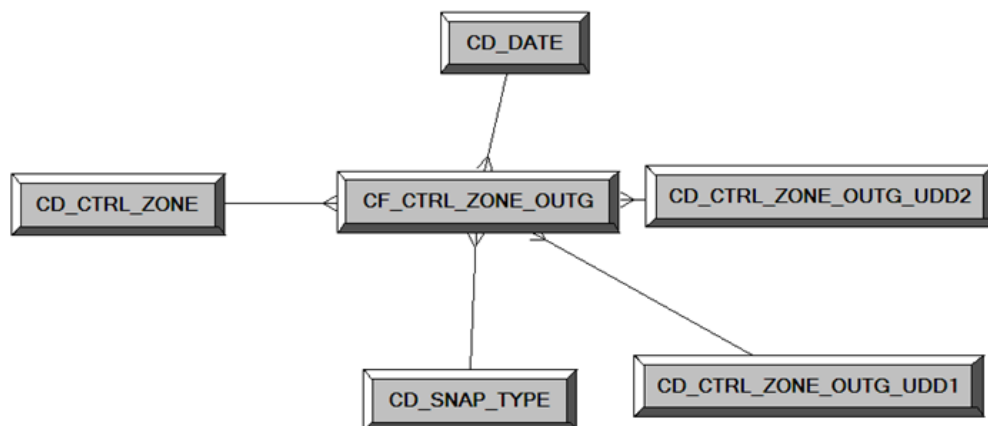
| Column | OBIEE Field | Load |
|----------------------|--------------------------------|--|
| SNAP_TYPE_CD | | P_SNAP_TYPE_CD |
| SNAPSHOT_DATE_KEY | | Join to CD_DATE: Required CD_DATE.CAL_DT = TRUNC(SYSDATE) |
| BEGIN_DATE_KEY | | Join to CD_DATE: Required CD_DATE.CAL_DT = TRUNC(P_BEGIN_DATE) |
| END_DATE_KEY | | Join to CD_DATE: Required CD_DATE.CAL_DT = TRUNC(P_END_DATE) |
| NUM_CUST_SERVED | Number of Customers Served | Average Number of customers in the City during the period |
| NUM_SUST_INTRPT | Number Sustained Interruptions | Number of sustained customer interruptions during the period |
| NUM_MOM_INTRPT | Numb. Mom. Interruptions | Number of momentary customer interruptions during the period. |
| CMI | CMI | Total Customer Minutes Interrupted during the period |
| NUM_MULT_SUST_INTRPT | Numb. Mult. Sust. Interruption | Number of customers that experienced more than P_CEMI_COUNT sustained interruptions during the period. |
| NUM_MULT_CUST_INTRPT | Numb. Mult. Cust. Interruption | Number of customers that experienced more than P_CEMI_COUNT interruptions (both sustained and momentary) during the period |
| SAIDI | SAIDI | System Average Interruption Duration Index. Computed as CMI / NUM_CUST_SERVED |
| CAIDI | CAIDI | Customer Average Interruption Duration Index. SAIDI / SAIFI |
| SAIFI | SAIFI | System Average Interruption Frequency Index. NUM_CUST_INTRPT / NUM_CUST_SERVED |
| CEMI | CEMI | Customers Experiencing Multiple Interruptions. NUM_MULT_SUST_INTRPT / NUM_CUST_SERVED |
| CEMSMI | CEMSMI | Customers Experience Multiple Sustained and Momentary Interruptions. NUM_MULST_CUST_INTRPT / NUM_CUST_SERVED |

| Column | OBIEE Field | Load |
|--------------------|---|--|
| CAIFI | | Customer Average Interruption Frequency Index. NUM_SUST_INTRPT / NUM_CUST_INTRPT |
| MAIFI | MAIFI | Momentary Average Interruption Frequency Index. NUM_MOM_INTRPT / NUM_CUST_SERVED |
| MAIFIE | Momentary Average interruptions Event Frequency Index | Momentary Average Interruption Event Frequency Index. NUM_MOM_E_INTRPT / NUM_CUST_SERVED |
| ASAI | ASAI | Average Service Availability Index. $((\text{NUM_CUST_SERVED} * \text{Number of Minutes in period}) - \text{CMI}) / (\text{NUM_CUST_SERVED} * \text{Number of Minutes in period})$ |
| ACI | ACI | Average Number of Customer Interruptions per customer. NUM_SUST_INTRPT / NUM_CUST_SERVED |
| MSAIFI | MSAIFI | Momentary System Average Interruption Frequency Index. NUM_MOM_INTRPT / NUM_CUST_SERVED |
| JOB_NBR | | B1_ETL_JOB_CTRL.JOB_NBR |
| CITY_KEY | | Join to CD_CITY: Required Based on City and State in the CD_ADDR dimension |
| NUM_CUST_INTRPT | Number Customers Interrupted | Number of Customers that experienced an interruption during the period. If a customer experienced more than one interruption, they will be counted only once in this measure |
| NUM_MOM_E_INTRPT | Number of Mom. E. Intrpt. | Number of Momentary Events during the period excluding the events that immediately precede a sustained interruption |
| NUM_EVENT | Number of Events | Number of Events during the Period |
| CITY_OUTG_UDD1_KEY | | Join to CD_CITY_OUTG_UDD1: Optional 0 |

| Column | OBIEE Field | Load |
|--------------------------|--|--|
| CITY_OUTG_UDD2_KEY | | Join to CD_CITY_OUTG_UDD2: Optional 0 |
| FACT_CNT | Number of Calls | 1 |
| UDM1 | User Defined Measure 1 | Not Loaded |
| UDM2 | User Defined Measure 2 | Not Loaded |
| UDM3 | User Defined Measure 3 | Not Loaded |
| UDM4 | User Defined Measure 4 | Not Loaded |
| UDM5 | User Defined Measure 5 | Not Loaded |
| UDDGEN1 | User Defined Degenerate Dimension 1 | Not Loaded |
| UDDGEN2 | User Defined Degenerate Dimension 2 | Not Loaded |
| UDDGEN3 | User Defined Degenerate Dimension 3 | Not Loaded |
| NUM_CUST_SUST_INTRP T | NUM_CUST_SUST_INTR PT | Number of Customers that experienced a sustained interruption during the period. If a customer experienced more than one interruption, they will be counted only once in this measure |

Control Zone Outage Fact <CF_CTRL_ZONE_OUTG>

Entity Relationship Diagram



Properties

| Property | Value |
|------------------|------------------|
| Table Type | Fact |
| Fact Type | Snapshot |
| Default Analytic | Outage Analytics |

| Property | Value |
|--------------|--|
| Comment | <p>This fact is unusual in that it does NOT have an extract program. Rather, a snapshot procedure generates the rows in this fact.</p> <p>This fact is populated by calling the database stored procedure called SPL_OMS_SNAPSHOT_PKG.SPL_CTRL_ZONE_OUTG_SNAP_FNC. This stored procedure is delivered with the Oracle Warehouse Builder package, and contains the following parameters:</p> <ul style="list-style-type: none"> • P_INITIAL_LOAD. Is this an initial load • P_SNAP_TYPE_CD. Valid Snapshot type code from the CD_SNAP_TYPE dimension. • P_END_DATE. Date to use as an end date to the load. • P_DATA_SOURCE_IND. Data Source Indicator to be mark records. Default value is 4. • P_NUMBER_OF_PERIODS. Number of periods to load, counting back from the Begin Date. Default value is 1. • P_BEGIN_DATE. Begin date to use. The default value is calculated based on the End Date entered and the Snapshot type being loaded. • P_CEMI_COUNT. Value to use to determine if a customer experienced more than N interruptions during the period being calculated. Default value is 3. • P_MOM_DURATION. Momentary Duration in minutes to use for determining if an outage is a Momentary outage or a sustained outage. • P_DEBUG. This is a text string that defines if debug information will be created when the procedure is run. The default setting is no debug information. |
| Driver Table | CF_CUST_RECENT_OUTG |

Fields

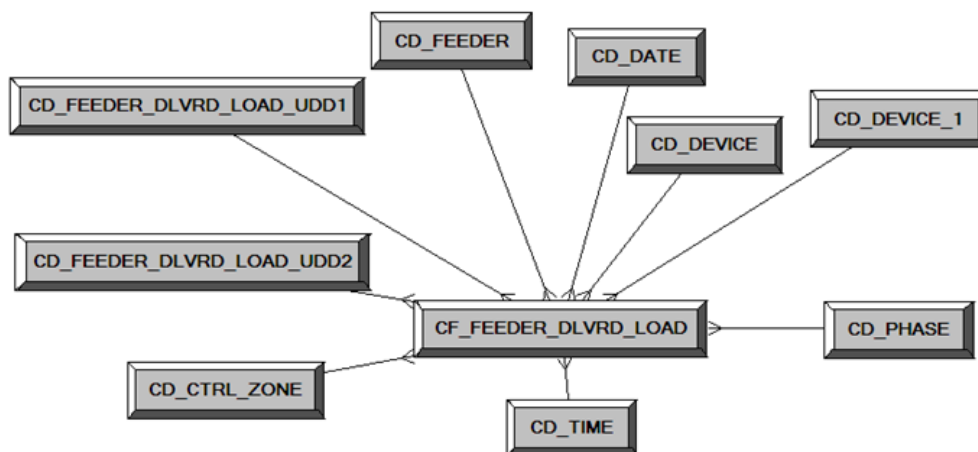
| Column | OBIEE Field | Load |
|----------------------|--------------------------------|--|
| CTRL_ZONE_OUTG_KEY | | SPL_CTRL_ZONE_OUTG_SEQNEXTVAL |
| CTRL_ZONE_KEY | | Join to CD_CTRL_ZONE: Required CTRL_ZONE_KEY |
| TMED_IND | Timed Indicator | '0' |
| SNAP_TYPE_CD | | P_SNAP_TYPE_CD |
| SNAPSHOT_DATE_KEY | | Join to CD_DATE: Required CD_DATE.CAL_DT = TRUNC(SYSDATE) |
| BEGIN_DATE_KEY | | Join to CD_DATE: Required CD_DATE.CAL_DT = TRUNC(P_BEGIN_DATE) |
| END_DATE_KEY | | Join to CD_DATE: Required CD_DATE.CAL_DT = TRUNC(P_END_DATE) |
| NUM_CUST_SERVED | Number of Customers Served | Average Number of customers in the City during the period |
| NUM_SUST_INTRPT | Number Sustained Interruptions | Number of sustained customer interruptions during the period |
| NUM_MOM_INTRPT | Numb. Mom. Interruptions | Number of momentary customer interruptions during the period. |
| CMI | CMI | Total Customer Minutes Interrupted during the period |
| NUM_MULT_SUST_INTRPT | Numb. Mult. Sust. Interruption | Number of customers that experienced more than P_CEMI_COUNT sustained interruptions during the period. |
| NUM_MULT_CUST_INTRPT | Numb. Mult. Cust. Interruption | Number of customers that experienced more than P_CEMI_COUNT interruptions (both sustained and momentary) during the period |
| SAIDI | SAIDI | System Average Interruption Duration Index. Computed as CMI / NUM_CUST_SERVED |
| CAIDI | CAIDI | Customer Average Interruption Duration Index. SAIDI / SAIFI |
| SAIFI | SAIFI | System Average Interruption Frequency Index. NUM_CUST_INTRPT / NUM_CUST_SERVED |

| Column | OBIEE Field | Load |
|------------------|---|--|
| CEMI | CEMI | Customers Experiencing Multiple Interruptions. NUM_MULT_SUST_INTRPT / NUM_CUST_SERVED |
| CEMSMI | CEMSMI | Customers Experience Multiple Sustained and Momentary Interruptions. NUM_MULST_CUST_INTRPT / NUM_CUST_SERVED |
| CAIFI | | Customer Average Interruption Frequency Index. NUM_SUST_INTRPT / NUM_CUST_INTRPT |
| MAIFI | MAIFI | Momentary Average Interruption Frequency Index. NUM_MOM_INTRPT / NUM_CUST_SERVED |
| MAIFIE | Momentary Average interruptions Event Frequency Index | Momentary Average Interruption Event Frequency Index. NUM_MOM_E_INTRPT / NUM_CUST_SERVED |
| ASAI | ASAI | Average Service Availability Index. $((\text{NUM_CUST_SERVED} * \text{Number of Minutes in period}) - \text{CMI}) / (\text{NUM_CUST_SERVED} * \text{Number of Minutes in period})$ |
| ACI | ACI | Average Number of Customer Interruptions per customer. NUM_SUST_INTRPT / NUM_CUST_SERVED |
| MSAIFI | MSAIFI | Momentary System Average Interruption Frequency Index. NUM_MOM_INTRPT / NUM_CUST_SERVED |
| JOB_NBR | | B1_ETL_JOB_CTRL.JOB_NBR |
| NUM_CUST_INTRPT | Number Customers Interrupted | Number of Customers that experienced an interruption during the period. If a customer experienced more than one interruption, they will be counted only once in this measure |
| NUM_MOM_E_INTRPT | Number of Mom. E. Intrpt. | Number of Momentary Events during the period excluding the events that immediately precede a sustained interruption |

| Column | OBIEE Field | Load |
|-----------------------------|--|--|
| NUM_EVENT | Number of Events | Number of Events during the Period |
| CTRL_ZONE_OUTG_UD D1_KEY | | Join to CD_CTRL_ZONE_OUTG_UD D1: Optional 0 |
| CTRL_ZONE_OUTG_UD D2_KEY | | Join to CD_CTRL_ZONE_OUTG_UD D2: Optional 0 |
| FACT_CNT | Number of Calls | 1 |
| UDM1 | User Defined Measure 1 | Not Loaded |
| UDM2 | User Defined Measure 2 | Not Loaded |
| UDM3 | User Defined Measure 3 | Not Loaded |
| UDM4 | User Defined Measure 4 | Not Loaded |
| UDM5 | User Defined Measure 5 | Not Loaded |
| UDDGEN1 | User Defined Degenerate Dimension 1 | Not Loaded |
| UDDGEN2 | User Defined Degenerate Dimension 2 | Not Loaded |
| UDDGEN3 | User Defined Degenerate Dimension 3 | Not Loaded |
| NUM_CUST_SUST_INTRP T | Number of Customers who experienced a Sustained Interruption | Number of Customers that experienced a sustained interruption during the period. If a customer experienced more than one interruption, they will be counted only once in this measure |
| | Previous SAIDI | AGO(SAIDI, CD_DATEDim.Month, 1) |
| | Rank of SAIDI | RANK(SAIDI) |
| | Previous SAIDI Rank | RANK(Previous SAIDI) |

Feeder Delivered Load Snapshot Fact < CF_FEEDER_DLVRD_LOAD >

Entity Relationship Diagram



Properties

| Property | Value |
|------------------|------------------------|
| Table Type | Fact |
| Fact Type | Snapshot |
| Default Analytic | Distribution Analytics |

Fields

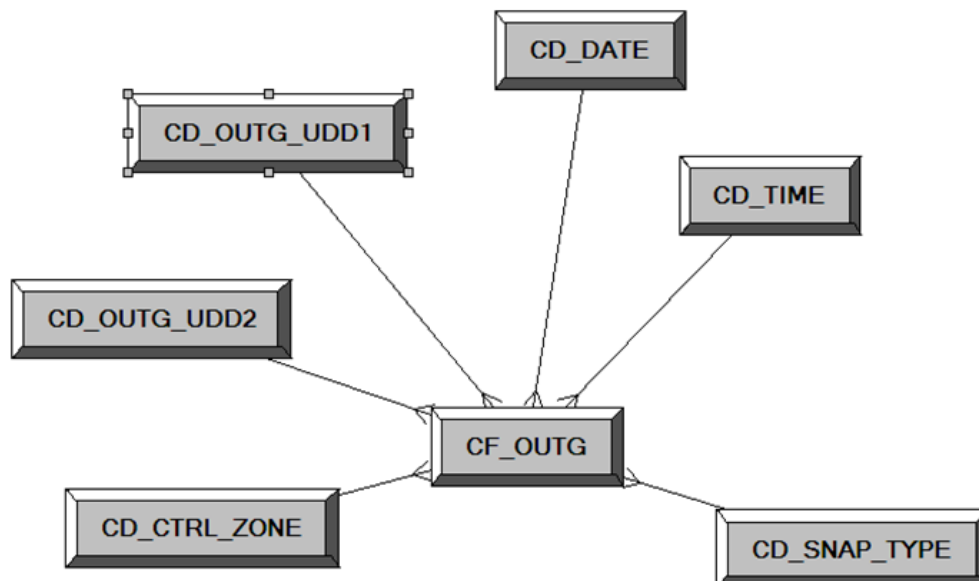
| Column | OBIEE Field | Load |
|-----------------------|--------------------|---|
| FEEDER_DLVRD_LOAD_KEY | | SPL_FEEDER_DLVRD_LOAD_SEQNEXTVAL |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| JOB_NBR | | B1_ETL_JOB_CTRL.JOB_NBR |
| SRC_FEEDER_CLS | Feeder Class | Stage: SRC_FEEDER_CLS |
| SRC_FEEDER_IDX | Feeder Index | Stage: SRC_FEEDER_IDX |
| SRC_DTTM | Snapshot Date/Time | Stage: SRC_DTTM |
| SRC_PHASE_ID | Phase ID | Stage: SRC_PHASE_ID |
| FEEDER_KEY | | Join to CD_FEEDER: Required CD_FEEDER.SRC_FEEDER_CLS = Stage.SRC_FEEDER_CLS and CD_FEEDER.SRC_FEEDER_IDX = Stage.SRC_FEEDER_IDX |

| Column | OBIEE Field | Load |
|----------------------------|-------------------------|---|
| CTRL_ZONE_KEY | | Join to CD_CTRL_ZONE: Required CD_CTRL_ZONE.SRC_NCG_ID = Stage.SRC_NCG_ID |
| BRKR_DEVICE_KEY | | Join to CD_DEVICE: Required CD_DEVICE.SRC_DEVICE_CLS = Stage.BRKR_SRC_DEVICE_CLS and CD_DEVICE.SRC_DEVICE_IDX = Stage.BRKR_SRC_DEVICE_IDX |
| SUBSTN_DEVICE_KEY | | Join to CD_DEVICE: Required CD_DEVICE.SRC_DEVICE_CLS = Stage.SUBSTN_SRC_DEVICE_CLS and CD_DEVICE.SRC_DEVICE_IDX = Stage.SUBSTN_SRC_DEVICE_IDX |
| SNAPSHOT_DATE_KEY | | Join to CD_DATE: Required CD_DATE.CAL_DT = Stage.SNAPSHOT_DATE |
| SNAPSHOT_TIME_KEY | | Join to CD_TIME: Required CD_TIME.SRC_TIME = Stage.SNAPSHOT_TIME |
| PHASE_KEY | | Join to CD_PHASE: Required CD_PHASE.SRC_PHASE_ID = Stage.SRC_PHASE_ID |
| FEEDER_DLVRD_LOAD_UDD1_KEY | | Join to CD_FEEDER_DLVRD_LOAD_UDD1: Optional CD_FEEDER_DLVRD_LOAD_UDD1.UDD1_CD(+) = Stage.UDD1_CD |
| FEEDER_DLVRD_LOAD_UDD2_KEY | | Join to CD_FEEDER_DLVRD_LOAD_UDD2: Optional CD_FEEDER_DLVRD_LOAD_UDD2.UDD2_CD(+) = Stage.UDD2_CD |
| BRKR_AMP_LIMIT | Breaker Amp Limit | Stage: BRKR_AMP_LIMIT |
| AMP | Amp – Phase A, B and C | Stage: AMP |
| KW | kW – Phase A, B and C | Stage: KW |
| KVAR | kVAr – Phase A, B and C | Stage: KVAR |

| Column | OBIEE Field | Load |
|---------------|-------------------------------------|--------------------------------|
| KVA | kVA – Phase A, B and C | Stage: KVA |
| VOLTAGE | Voltage – Phase A, B and C | Stage: VOLTAGE |
| POWER_FACTOR | Power Factor – Phase A, B and C | Stage: POWER_FACTOR |
| FACT_CNT | Count | 1 |
| UDM1 | User Defined Measure 1 | Stage: UDM1 |
| UDM2 | User Defined Measure 2 | Stage: UDM2 |
| UDM3 | User Defined Measure 3 | Stage: UDM3 |
| UDM4 | User Defined Measure 4 | Stage: UDM4 |
| UDM5 | User Defined Measure 5 | Stage: UDM5 |
| UDDGEN1 | User Defined Degenerate Dimension 1 | Stage: UDDGEN1 |
| UDDGEN2 | User Defined Degenerate Dimension 2 | Stage: UDDGEN2 |
| UDDGEN3 | User Defined Degenerate Dimension 3 | Stage: UDDGEN3 |
| | Average kVA | AVG(KVAR) |
| | Average Amp | AVG(AMP) |
| | Average kVA | AVG(KVA) |
| | Average kW | AVG(KW) |
| | Maximum kVA | MAX(KVA) |
| | Maximum kW | MAX(KW) |
| | Maximum kVA | MAX(KVAR) |
| | Maximum Amp | MAX(AMP) |
| | Maximum Voltage | MAX(VOLTAGE) |
| | Maximum Breaker Amp Limit | MAX(BRKR_AMP_LIMIT) |
| | Capacity Margin | MAX(BRKR_AMP_LIMIT) – MAX(AMP) |

Outage Fact <CF_OUTG>

Entity Relationship Diagram



Properties

| Property | Value |
|------------------|--|
| Table Type | Fact |
| Fact Type | Snapshot |
| Default Analytic | Outage Analytics |
| Comment | <p>This fact is unusual in that it does NOT have an extract program. Rather, a snapshot procedure generates the rows in this fact.</p> <p>This fact is populated by calling the database stored procedure called SPL_OMS_SNAPSHOT_PKG.SPL_OUTG_SNAP_FNC.</p> <p>This stored procedure is delivered with the Oracle Warehouse Builder package, and contains the following parameters:</p> <ul style="list-style-type: none"> - P_DATA_SOURCE_IND. Data Source Indicator to be mark records. Default value is 4. - P_DEBUG. This is a text string that defines if debug information will be created when the procedure is run. <p>The default setting is no debug information.</p> |

| Property | Value |
|--------------|---|
| Driver Table | CF_CUST_RECENT_OUTG, CF_RECENT_JOB, CF_RECENT_CALL and CF_RECENT_CREW |

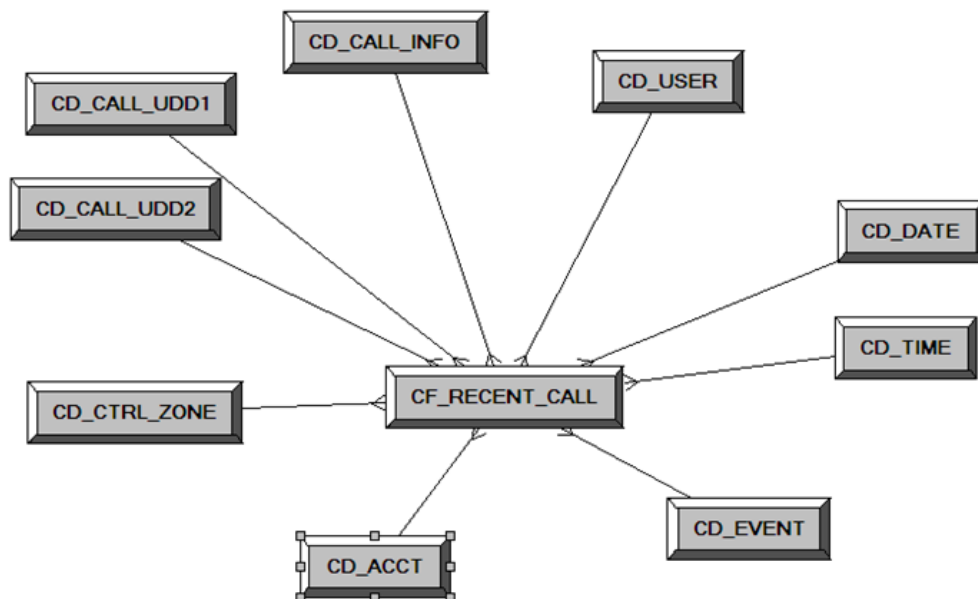
Fields

| Column | OBIEE Field | Load |
|-------------------|--------------------------------|--|
| OUTG_KEY | | SPL_OUTG_SEQ.NEXTVAL |
| CTRL_ZONE_KEY | | Join to CD_CTRL_ZONE: Required CTRL_ZONE_KEY from the Driver Table |
| SNAP_TYPE_CD | | 'H' |
| SNAPSHOT_DATE_KEY | | Join to CD_DATE: Required |
| NUM_CREW_ASSIGN | Number of Crew Assignments | Number of Crews that were assigned to an event during the hour (From CF_RECENT_CREW) |
| NUM_CREW_DISP | Number of Crew Dispatches | Number of crews that were dispatched to an event during the hour (From CF_RECENT_CREW) |
| JOB_NBR | | B1_ETL_JOB_CTRL.JOB_NBR |
| SNAPSHOT_TIME_KEY | | Join to CD_TIME: Required Based on the Hour of the Snapshot |
| NUM_CUST_OUTG | Number of Customers Out | Number of customers that were without power at some point during the hour (From CF_CUST_RECENT_OUTG) |
| NUM_CUST_RST | Number of Customers Restore | Number of customers that had power restored during the hour (From CF_CUST_RECENT_OUTG) |
| NUM_CUST_NEW | Number of New Customers | Number of customers that initially lost power during the hour (From CF_CUST_RECENT_OUTG) |
| NUM_CUST_MOM | Number of Customer Momentaries | Number of Momentary interruptions that ended during the hour (From CF_CUST_RECENT_OUTG) |

| Column | OBIEE Field | Load |
|---------------------|-------------------------------------|---|
| NUM_EVENT | Number of Events | Number of events that were ongoing during the hour (From CF_RECENT_JOB) |
| NUM_NEW_EVENT | Number of New Events | Number of new events that started during the hour (From CF_RECENT_JOB) |
| NUM_CLOSED_EVENT | Number of Closed Events | Number of events that were completed during the hour (From CF_RECENT_JOB) |
| NUM_CANCELLED_EVENT | Number of Cancelled Events | Number of events that were cancelled during the hour (From CF_RECENT_JOB) |
| NUM_CALL | Number of Calls | Number of calls that were received during the hour (From CF_RECENT_CALL) |
| OUTG_UDD1_KEY | | Join to CD_OUTG_UDD1: Optional 0 |
| OUTG_UDD2_KEY | | Join to CD_OUTG_UDD2: Optional 0 |
| FACT_CNT | | 1 |
| UDM1 | User Defined Measure 1 | Not Loaded |
| UDM2 | User Defined Measure 2 | Not Loaded |
| UDM3 | User Defined Measure 3 | Not Loaded |
| UDM4 | User Defined Measure 4 | Not Loaded |
| UDM5 | User Defined Measure 5 | Not Loaded |
| UDDGEN1 | User Defined Degenerate Dimension 1 | Not Loaded |
| UDDGEN2 | User Defined Degenerate Dimension 2 | Not Loaded |
| UDDGEN3 | User Defined Degenerate Dimension 3 | Not Loaded |
| | Snapshot Time | Date and Time of the Snapshot, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND |

Recent Call Fact <CF_RECENT_CALL>

Entity Relationship Diagram



Properties

| Property | Value |
|------------|-------------|
| Table Type | Fact |
| Fact Type | Transaction |

Fields

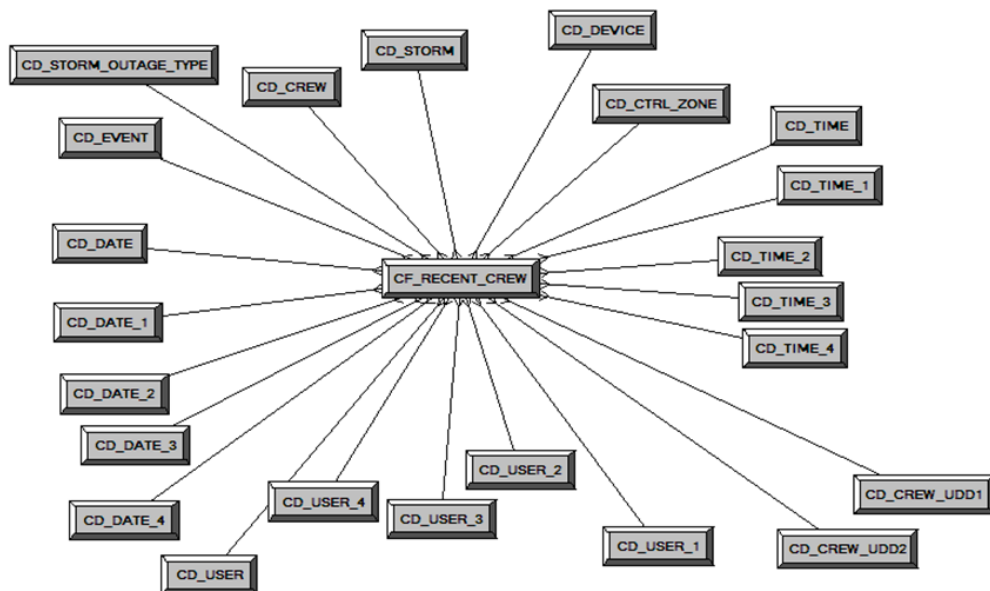
| Column | OBIEE Field | Load |
|-----------------|------------------------|--------------------------------|
| RECENT_CALL_KEY | | SPL_RECENT_CALL_SEQNE XTVAL |
| UDM1 | User Defined Measure 1 | Stage: UDM1 |
| UDM2 | User Defined Measure 2 | Stage: UDM2 |
| UDM3 | User Defined Measure 3 | Stage: UDM3 |
| UDM4 | User Defined Measure 4 | Stage: UDM4 |
| UDM5 | User Defined Measure 5 | Stage: UDM5 |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| FACT_CNT | Number of Calls | 1 |
| JOB_NBR | | B1_ETL_JOB_CTRL.JOB_NBR |
| UDDGEN1 | Resolved? | Stage: UDDGEN1 |

| Column | OBIEE Field | Load |
|-----------------|-------------------------------------|---|
| UDDGEN2 | User Defined Degenerate Dimension 2 | Stage: UDDGEN2 |
| UDDGEN3 | User Defined Degenerate Dimension 3 | Stage: UDDGEN3 |
| SRC_INCIDENT_ID | Incident Id (Natural Key) | Stage: SRC_INCIDENT_ID |
| EVENT_KEY | | Join to CD_EVENT: Required CD_EVENT.SRC_NBR = Stage.SRC_NBR |
| ACCT_KEY | | Join to CD_ACCT: Optional CD_ACCT.SRC_ACCT_ID(+) = Stage.SRC_ACCT_ID |
| PRIORITY_IND | Priority Call? | Stage: PRIORITY_IND |
| CALL_DATE_KEY | | Join to CD_DATE: Required CD_DATE.CAL_DT = Stage.CALL_DATE |
| CALL_TIME_KEY | | Join to CD_TIME: Required CD_TIME.SRC_TIME = Stage.CALL_TIME |
| CALL_UDD1_KEY | | Join to CD_CALL_UDD1: Optional CD_CALL_UDD1.UDD1_CD(+) = Stage.UDD1_CD |
| CALL_UDD2_KEY | | Join to CD_CALL_UDD2: Optional CD_CALL_UDD2.UDD2_CD(+) = Stage.UDD2_CD |
| CTRL_ZONE_KEY | | Join to CD_CTRL_ZONE: Optional CD_CTRL_ZONE.SRC_NCG_ID(+) = Stage.SRC_NCG_ID |
| USER_KEY | | Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.USER_CD |
| CALL_INFO_KEY | | Join to CD_CALL_INFO: Required CD_CALL_INFO.SRC_INCIDENT_ID = Stage.SRC_INCIDENT_ID |
| | Call Time | Date and Time of the Call, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND |

| Column | OBIEE Field | Load |
|---------------|--------------------|---|
| | Call Hour | Date and Hour of the Call, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR |

Recent Crew Activity Fact <CF_RECENT_CREW>

Entity Relationship Diagram



ERD Properties

| Property | Value |
|------------------|------------------|
| Table Type | Fact |
| Fact Type | Transaction |
| Default Analytic | Outage Analytics |

Fields

| Column | OBIEE Field | Load |
|-----------------|------------------------|---------------------------------|
| RECENT_CREW_KEY | | SPL_RECENT_CREW_SEQ.N EXTVAL |
| UDM1 | User Defined Measure 1 | Stage: UDM1 |
| UDM2 | User Defined Measure 2 | Stage: UDM2 |
| UDM3 | User Defined Measure 3 | Stage: UDM3 |
| UDM4 | User Defined Measure 4 | Stage: UDM4 |
| UDM5 | User Defined Measure 5 | Stage: UDM5 |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| FACT_CNT | Number of Crews | 1 |
| JOB_NBR | | B1_ETL_JOB_CTRL.JOB_NBR |

| Column | OBIEE Field | Load |
|-------------------|-------------------------------------|---|
| UDDGEN1 | User Defined Degenerate Dimension 1 | Stage: UDDGEN1 |
| UDDGEN2 | User Defined Degenerate Dimension 2 | Stage: UDDGEN2 |
| UDDGEN3 | User Defined Degenerate Dimension 3 | Stage: UDDGEN3 |
| SRC_CREW_ID | Crew ID (Natural Key) | Stage: SRC_CREW_ID |
| EVENT_KEY | | Join to CD_EVENT: Required CD_EVENT.SRC_NBR = Stage.SRC_EVENT_NBR |
| SRC_EVENT_NBR | Event Number (Natural Key) | Stage: SRC_EVENT_NBR |
| INROUTE_DURATION | Time Spent Inroute | Stage: INROUTE_DURATION |
| ASSIGN_DATE_KEY | | Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.ASSIGN_DATE |
| ASSIGN_TIME_KEY | | Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.ASSIGN_TIME |
| CREW_UDD1_KEY | | Join to CD_CREW_UDD1: Optional CD_CREW_UDD1.UDD1_CD(+) = Stage.UDD1_CD |
| CREW_UDD2_KEY | | Join to CD_CREW_UDD2: Optional CD_CREW_UDD2.UDD1_CD(+) = Stage.UDD2_CD |
| CTRL_ZONE_KEY | | Join to CD_CTRL_ZONE: Optional CD_CTRL_ZONE.SRC_NCG_ID(+) = Stage.SRC_NCG_ID |
| ASSIGN_USER_KEY | | Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_ASSIGN_USER |
| CREW_KEY | | Join to CD_CREW: Optional CD_CREW.SRC_CREW_ID(+) = Stage.SRC_CREW_ID |
| WORK_DURATION | Time Spent Onsite | Stage: WORK_DURATION |
| ASSIGN_DURATION | Time Spent Assigned | Stage: ASSIGN_DURATION |
| DISPATCH_DURATION | Time Spent Dispatched | Stage: DISPATCH_DURATION |

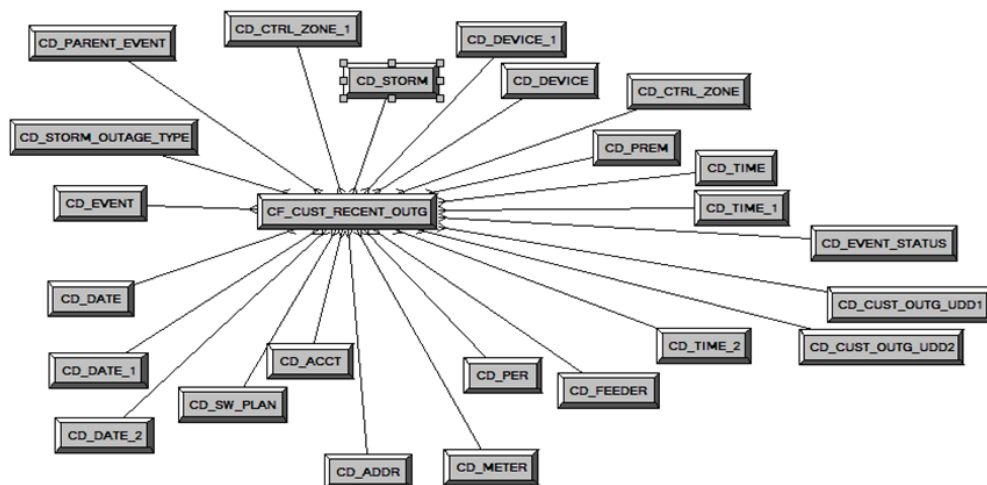
| Column | OBIEE Field | Load |
|-------------------|-------------|---|
| DEVICE_KEY | | Join to CD_DEVICE: Optional CD_DEVICE.SRC_DEVICE_CLS(+) = Stage.SRC_DEVICE_CLS and CD_DEVICE.SRC_DEVICE_IDX(+) = Stage.SRC_DEVICE_IDX |
| UNASSIGN_USER_KEY | | Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_UNASSIGN_USER |
| UNASSIGN_DATE_KEY | | Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.UNASSIGN_DATE |
| UNASSIGN_TIME_KEY | | Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.UNASSIGN_TIME |
| ACCEPT_USER_KEY | | Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_ACCEPT_USER |
| ACCEPT_DATE_KEY | | Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.ACCEPT_DATE |
| ACCEPT_TIME_KEY | | Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.ACCEPT_TIME |
| ARRIVE_TIME_KEY | | Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.ARRIVE_TIME |
| CMPL_TIME_KEY | | Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.CMPL_TIME |
| ARRIVE_DATE_KEY | | Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.ARRIVE_DATE |
| CMPL_DATE_KEY | | Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.CMPL_DATE |
| CMPL_USER_KEY | | Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_CMPL_USER |
| ARRIVE_USER_KEY | | Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_ARRIVE_USER |

| Column | OBIEE Field | Load |
|-----------------------|---------------|---|
| STORM_KEY | | Join to CD_STORM: Optional CD_STORM.SRC_STORM_NAME(+) = Stage.SRC_STORM_NAME and CD_STORM.SRC_STORM_NAME_SFX(+) = Stage.SRC_STORM_NAME_SFX |
| STORM_OUTAGE_TYPE_KEY | | Join to CD_STORM_OUTAGE_TYPE: Optional CD_STORM_OUTAGE_TYPE.SRC_OUTAGE_TYPE(+) = Stage.SRC_OUTAGE_TYPE |
| | Cmpl Time | Date and Time of Crew Completion, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the CMPL_DATE_KEY and CMPL_TIME_KEY |
| | Assign Time | Date and Time of Crew Assignment, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the ASSIGN_DATE_KEY and ASSIGN_TIME_KEY |
| | Accept Time | Date and Time of Crew Acceptance, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the ACCEPT_DATE_KEY and ACCEPT_TIME_KEY |
| | Arrive Time | Date and Time of Crew Arrival, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the ARRIVE_DATE_KEY and ARRIVE_TIME_KEY |
| | Unassign Time | Date and Time of Crew Unassignment, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the UNASSIGN_DATE_KEY and UNASSIGN_TIME_KEY |

| Column | OBIEE Field | Load |
|---------------|---|---|
| | Number of Assignments | SUM(FACT_CNT) where ASSIGN_DATE_KEY <> 0 |
| | Number of Arrivals | SUM(FACT_CNT) where ARRIVE_DATE_KEY <> 0 |
| | Number of Events Accepted | SUM(FACT_CNT) where ACCEPT_DATE_KEY <> 0 |
| | Number of Events Completed | SUM(FACT_CNT) where CMPL_DATE_KEY <> 0 |
| | Average En Route Duration (in Minutes) | AVG(INROUTE_DURATION) |
| | Average Onsite Duration (in Minutes) | AVG(WORK_DURATION) |
| | Average Assign Duration (in Minutes) | AVG(ASSIGN_DURATION) |
| | Average Dispatch Duration (in Minutes) | AVG(DISPATCH_DURATION) |

Recent Customer Outage Fact <CF_CUST_RECENT_OUTG>

Entity Relationship Diagram



Properties

| Property | Value |
|------------------|------------------|
| Table Type | Fact |
| Fact Type | Transaction |
| Default Analytic | Outage Analytics |

Fields

| Column | OBIEE Field | Load |
|----------------------|-------------------------------------|----------------------------------|
| CUST_RECENT_OUTG_KEY | | SPL_CUST_RECENT_OUTG_SEQ.NEXTVAL |
| UDM1 | User Defined Measure 1 | Stage: UDM1 |
| UDM2 | User Defined Measure 2 | Stage: UDM2 |
| UDM3 | User Defined Measure 3 | Stage: UDM3 |
| UDM4 | User Defined Measure 4 | Stage: UDM4 |
| UDM5 | User Defined Measure 5 | Stage: UDM5 |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| FACT_CNT | Customers Impacted | 1 |
| JOB_NBR | Job Number | B1_ETL_JOB_CTRL.JOB_NBR |
| UDDGEN1 | User Defined Degenerate Dimension 1 | Stage: UDDGEN1 |

| Column | OBIEE Field | Load |
|------------------|-------------------------------------|--|
| UDDGEN2 | User Defined Degenerate Dimension 2 | Stage: UDDGEN2 |
| UDDGEN3 | User Defined Degenerate Dimension 3 | Stage: UDDGEN3 |
| SRC_ID | ID (Natural Key) | Stage: SRC_ID |
| EVENT_KEY | | Join to CD_EVENT: Required CD_EVENT.SRC_NBR = Stage.SRC_NBR |
| EVENT_STATUS_KEY | | Join to CD_EVENT_STATUS: Required CD_EVENT_STATUS.SRC_STATUS = Stage.SRC_STATUS |
| ACCT_KEY | | Join to CD_ACCT: Required CD_ACCT.SRC_ACCT_ID = Stage.SRC_ACCT_ID |
| PREM_KEY | | Join to CD_PREM: Required CD_PREM.SRC_PREM_ID = Stage.SRC_ACCT_ID |
| PER_KEY | | Join to CD_PER: Required CD_PER.SRC_PER_ID = Stage.SRC_ACCT_ID |
| METER_KEY | | Join to CD_METER: Required CD_METER.SRC_METER_ID = Stage.SRC_ACCT_ID |
| ADDR_KEY | | Join to CD_ADDR: Required CD_ADDR.SRC_ADDR_ID = Stage.SRC_ACCT_ID |
| BEGIN_DATE_KEY | | Join to CD_DATE: Required CD_DATE.CAL_DT = Stage.BEGIN_DATE |
| BEGIN_TIME_KEY | | Join to CD_TIME: Required CD_TIME.SRC_TIME = Stage.BEGIN_TIME |
| BEGIN_DTTM | Begin Date | Stage: BEGIN_DTTM |
| RST_DATE_KEY | | Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.RST_DATE |
| RST_TIME_KEY | | Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.RST_TIME |
| RST_DTTM | Restore Date | Stage: RST_DTTM |
| RST_IND | Restored? | Stage: RST_IND |

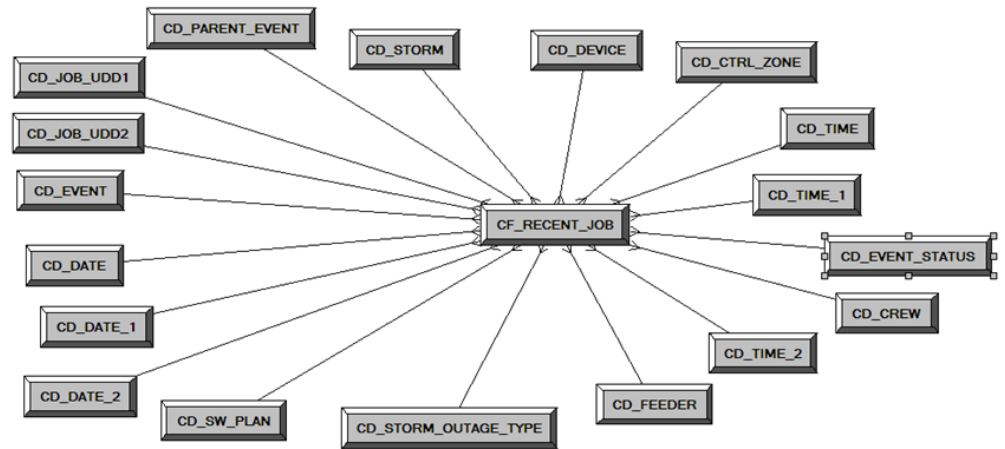
| Column | OBIEE Field | Load |
|---------------------|---------------------------------|--|
| EST_RST_TIME_KEY | | Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.EST_RST_TIME |
| EST_RST_DATE_KEY | | Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.EST_RST_DATE |
| CTRL_ZONE_KEY | | Join to CD_CTRL_ZONE: Required CD_CTRL_ZONE.SRC_NCG_I D = Stage.SRC_AFF_NCG_ID |
| CAUSE_CTRL_ZONE_KEY | | Join to CD_CTRL_ZONE: Optional CD_CTRL_ZONE.SRC_NCG_I D(+) = Stage.SRC_CAUSE_NCG_ID |
| CUST_OUTG_UDD1_KEY | | Join to CD_CUST_OUTG_UDD1: Optional CD_CUST_OUTG_UDD1.UD D1_CD(+) = Stage.UDD1_CD |
| CUST_OUTG_UDD2_KEY | | Join to CD_CUST_OUTG_UDD2: Optional CD_CUST_OUTG_UDD2.UD D2_CD(+) = Stage.UDD2_CD |
| PLANNED_IND | Planned? | Stage: PLANNED_IND |
| EXCLUDE_IND | Excluded? | Stage: EXCLUDE_IND |
| OMS_EXCLUDE_IND | OMS Excluded? | Stage: OMS_EXCLUDE_IND |
| CANCELLED_IND | Cancelled? | Stage: CANCELLED_IND |
| OUTG_DURATION | Outage Duration | Stage: OUTG_DURATION |
| NUM_MOMENTARY | Number of Momentaries | Stage: NUM_MOMENTARY |
| CMI | Customer Minutes Interrupted | Stage: CMI |
| AFF_DEVICE_KEY | | Join to CD_DEVICE: Optional CD_DEVICE.SRC_DEVICE_I DX(+) = Stage.SRC_AFF_DEVICE_IDX and CD_DEVICE.SRC_DEVICE_C LS(+) = Stage.SRC_AFF_DEVICE_CLS |

| Column | OBIEE Field | Load |
|-----------------------|-----------------|---|
| CAUSE_DEVICE_KEY | | Join to CD_DEVICE: Optional CD_DEVICE.SRC_DEVICE_IDX(+) = Stage.SRC_CAUSE_DEVICE_IDX and CD_DEVICE.SRC_DEVICE_CLS(+) = Stage.SRC_CAUSE_DEVICE_CLS |
| FEEDER_KEY | | Join to CD_FEEDER: Optional CD_FEEDER.SRC_FEEDER_CLS(+) = Stage.SRC_FEEDER_CLS and CD_FEEDER.SRC_FEEDER_IDX(+) = Stage.SRC_FEEDER_IDX |
| SW_PLAN_KEY | | Join to CD_SW_PLAN: Optional CD_SW_PLAN.SRC_SW_PLAN_CLS(+) = Stage.SRC_SW_PLAN_CLS and CD_SW_PLAN.SRC_SW_PLAN_IDX(+) = Stage.SRC_SW_PLAN_IDX |
| STORM_KEY | | Join to CD_STORM: Optional CD_STORM.SRC_STORM_NAME(+) = Stage.SRC_STORM_NAME and CD_STORM.SRC_STORM_NAME_SFX(+) = Stage.SRC_STORM_NAME_SFX |
| STORM_OUTAGE_TYPE_KEY | | Join to CD_STORM_OUTAGE_TYPE: Optional CD_STORM_OUTAGE_TYPE.SRC_OUTAGE_TYPE(+) = Stage.SRC_OUTAGE_TYPE |
| PARENT_EVENT_KEY | | Join to CD_EVENT: Optional CD_EVENT.SRC_NBR(+) = Stage.SRC_PARENT_NBR |
| | Begin Date Hour | TRUNC(BEGIN_DTTM, 'HH') |
| | Est Rst Time | Date and Time of the Estimated Restoration, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the EST_RST_DATE_KEY and EST_RST_TIME_KEY |

| Column | OBIEE Field | Load |
|---------------|---|---|
| | Average Outage Duration | AVG(OUTG_DURATION) |
| | Average Estimated Restoration Duration (in Minutes) | AVG(Est Rst Time – Begin Date) * 1440 |
| | Number of Customers without Power | SUM(FACT_CNT) where RST_IND = 0 |
| | Number of Customers with Power Restored | SUM(FACT_CNT) where RST_IND = 1 |
| | Restore Date Hour | TRUNC(RST_DTTM, 'HH') |

Recent Job Fact <CF_RECENT_JOB>

Entity Relationship Diagram



Properties

| Property | Value |
|------------------|------------------|
| Table Type | Fact |
| Fact Type | Transaction |
| Default Analytic | Outage Analytics |

Fields

| Column | OBIEE Field | Load |
|-----------------|-------------------------------------|----------------------------|
| RECENT_JOB_KEY | | SPL_RECENT_JOB_SEQ.NEXTVAL |
| UDM1 | Customers Impacted | Stage: UDM1 |
| UDM2 | Calls Received | Stage: UDM2 |
| UDM3 | User Defined Measure 3 | Stage: UDM3 |
| UDM4 | User Defined Measure 4 | Stage: UDM4 |
| UDM5 | User Defined Measure 5 | Stage: UDM5 |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| FACT_CNT | Number of Events | 1 |
| JOB_NBR | Job Number | B1_ETL_JOB_CTRL.JOB_NBR |
| UDDGEN1 | User Defined Degenerate Dimension 1 | Stage: UDDGEN1 |
| UDDGEN2 | User Defined Degenerate Dimension 2 | Stage: UDDGEN2 |

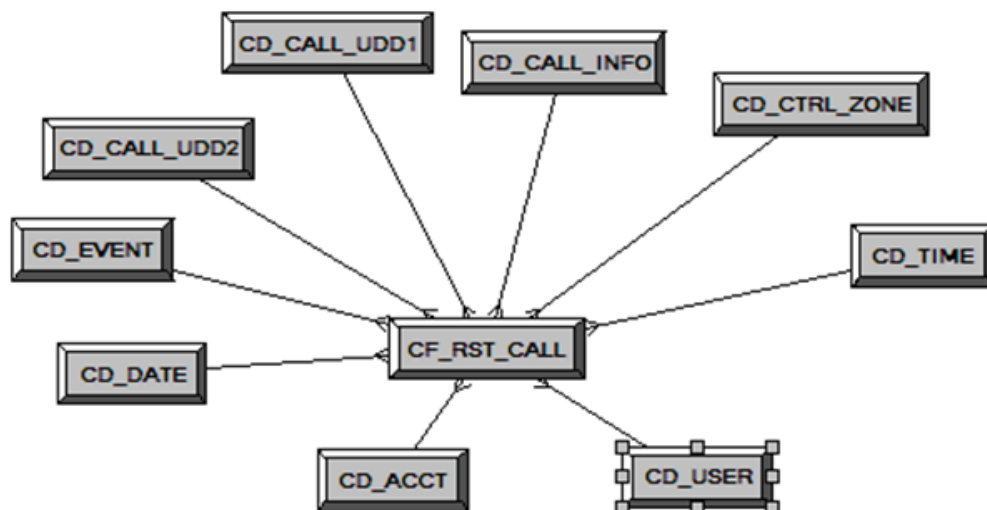
| Column | OBIEE Field | Load |
|------------------|-------------------------------------|--|
| UDDGEN3 | User Defined Degenerate Dimension 3 | Stage: UDDGEN3 |
| SRC_JOB_NBR | Job Number (Natural Key) | Stage: SRC_NBR |
| EVENT_KEY | | Join to CD_EVENT: Required CD_EVENT.SRC_NBR = Stage.SRC_NBR |
| EVENT_STATUS_KEY | | Join to CD_EVENT_STATUS: Required CD_EVENT_STATUS.SRC_STATUS = Stage.SRC_STATUS |
| BEGIN_DATE_KEY | | Join to CD_DATE: Required CD_DATE.CAL_DT = Stage.BEGIN_DATE |
| BEGIN_TIME_KEY | | Join to CD_TIME: Required CD_TIME.SRC_TIME = Stage.BEGIN_TIME |
| BEGIN_DTTM | Begin Date | Stage: BEGIN_DTTM |
| RST_TIME_KEY | | Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.RST_TIME |
| RST_DATE_KEY | | Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.RST_DATE |
| RST_DTTM | Restore Date | Stage: RST_DTTM |
| RST_IND | Restored? | Stage: RST_IND |
| EST_RST_TIME_KEY | | Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.EST_RST_TIME |
| EST_RST_DATE_KEY | | Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.EST_RST_DATE |
| PLANNED_IND | Planned? | Stage: PLANNED_IND |
| EXCLUDE_IND | Excluded? | Stage: EXCLUDE_IND |
| OMS_EXCLUDE_IND | OMS Exclude? | Stage: OMS_EXCLUDE_IND |
| CANCELLED_IND | Cancelled? | Stage: CANCELLED_IND |
| OUTG_DURATION | Outage Duration | Stage: OUTG_DURATION |
| CTRL_ZONE_KEY | | Join to CD_CTRL_ZONE: Optional CD_CTRL_ZONE.SRC_NCG_ID(+) = Stage.SRC_NCG_ID |

| Column | OBIEE Field | Load |
|---------------|-------------|--|
| DEVICE_KEY | | Join to CD_DEVICE: Optional CD_DEVICE.SRC_DEVICE_CLS(+) = Stage.SRC_DEVICE_CLS and CD_DEVICE.SRC_DEVICE_IDX(+) = Stage.SRC_DEVICE_IDX |
| CMPL_USER_KEY | | Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_CMPL_USER |
| RESP_USER_KEY | | Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_RESP_USER |
| CREW_KEY | | Join to CD_CREW: Optional CD_CREW.SRC_CREW_ID(+) = Stage.SRC_CREW_ID |
| JOB_UDD1_KEY | | Join to CD_JOB_UDD1: Optional CD_JOB_UDD1.UDD1_CD(+) = Stage.UDD1_CD |
| JOB_UDD2_KEY | | Join to CD_JOB_UDD2: Optional CD_JOB_UDD2.UDD2_CD(+) = Stage.UDD2_CD |
| FEEDER_KEY | | Join to CD_FEEDER: Optional CD_FEEDER.SRC_FEEDER_CLS(+) = Stage.SRC_FEEDER_CLS and CD_FEEDER.SRC_FEEDER_IDX(+) = Stage.SRC_FEEDER_IDX |
| SW_PLAN_KEY | | Join to CD_SW_PLAN: Optional CD_SW_PLAN.SRC_SW_PLAN_CLS(+) = Stage.SRC_SW_PLAN_CLS and CD_SW_PLAN.SRC_SW_PLAN_IDX(+) = Stage.SRC_SW_PLAN_IDX |
| STORM_KEY | | Join to CD_STORM: Optional CD_STORM.SRC_STORM_NAME(+) = Stage.SRC_STORM_NAME and CD_STORM.SRC_STORM_NAME_SFX(+) = Stage.SRC_STORM_NAME_SFX |

| Column | OBIEE Field | Load |
|---------------------------|---|--|
| STORM_OUTAGE_TYPE _KEY | | Join to CD_STORM_OUTAGE_TYPE: Optional CD_STORM_OUTAGE_TYPE. SRC_OUTAGE_TYPE(+) = Stage.SRC_OUTAGE_TYPE |
| PARENT_EVENT_KEY | | Join to CD_EVENT: Optional CD_EVENT.SRC_NBR(+) = Stage.PARENT_SRC_NBR |
| | Est Rst Time | Date and Time of the Estimated Restoration, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the EST_RST_DATE_KEY and EST_RST_TIME_KEY |
| | Average Outage Duration (in Minutes) | AVG(OUTG_DURATION) |
| | Average Estimated Restoration Duration (in Minutes) | AVG(Est Rst Time – Begin Date) * 1440 |

Restored Call Fact <CF_RST_CALL>

Entity Relationship Diagram



Properties

| Property | Value |
|------------------|------------------|
| Table Type | Fact |
| Fact Type | Transaction |
| Default Analytic | Outage Analytics |

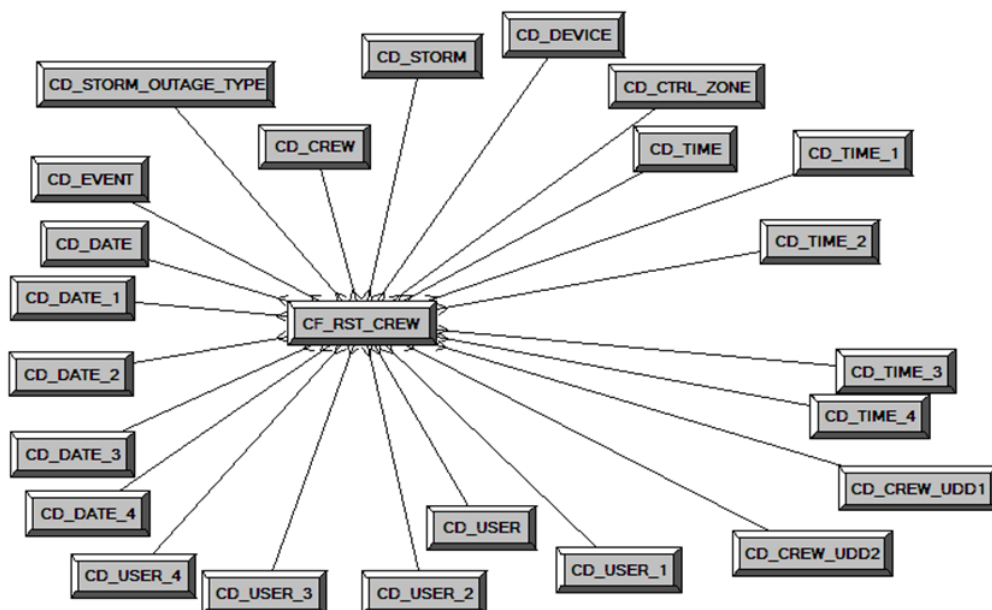
Fields

| Column | OBIEE Field | Load |
|-----------------|------------------------|--------------------------|
| RST_CALL_KEY | | SPL_RST_CALL_SEQ.NEXTVAL |
| UDM1 | User Defined Measure 1 | Stage: UDM1 |
| UDM2 | User Defined Measure 2 | Stage: UDM2 |
| UDM3 | User Defined Measure 3 | Stage: UDM3 |
| UDM4 | User Defined Measure 4 | Stage: UDM4 |
| UDM5 | User Defined Measure 5 | Stage: UDM5 |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| FACT_CNT | Number of Calls | 1 |
| JOB_NBR | | B1_ETL_JOB_CTRL.JOB_NBR |
| UDDGEN1 | Resolved? | Stage: UDDGEN1 |

| Column | OBIEE Field | Load |
|-----------------|-------------------------------------|---|
| UDDGEN2 | User Defined Degenerate Dimension 2 | Stage: UDDGEN2 |
| UDDGEN3 | User Defined Degenerate Dimension 3 | Stage: UDDGEN3 |
| SRC_INCIDENT_ID | Incident Id (Natural Key) | Stage: SRC_INCIDENT_ID |
| EVENT_KEY | | Join to CD_EVENT: Required CD_EVENT.SRC_NBR = Stage.SRC_NBR |
| ACCT_KEY | | Join to CD_ACCT: Optional CD_ACCT.SRC_ACCT_ID(+) = Stage.SRC_ACCT_ID |
| PRIORITY_IND | Priority Call? | Stage: PRIORITY_IND |
| CALL_DATE_KEY | | Join to CD_DATE: Required CD_DATE.CAL_DT = Stage.CALL_DATE |
| CALL_TIME_KEY | | Join to CD_TIME: Required CD_TIME.SRC_TIME = Stage.CALL_TIME |
| CALL_UDD1_KEY | | Join to CD_CALL_UDD1: Optional CD_CALL_UDD1.UDD1_CD(+) = Stage.UDD1_CD |
| CALL_UDD2_KEY | | Join to CD_CALL_UDD2: Optional CD_CALL_UDD2.UDD2_CD(+) = Stage.UDD2_CD |
| CTRL_ZONE_KEY | | Join to CD_CTRL_ZONE: Optional CD_CTRL_ZONE.SRC_NCG_ID(+) = Stage.SRC_NCG_ID |
| USER_KEY | | Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.USER_CD |
| CALL_INFO_KEY | | Join to CD_CALL_INFO: Required CD_CALL_INFO.SRC_INCIDENT_ID = Stage.SRC_INCIDENT_ID |
| | Call Time | Date and Time of the Snapshot, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND |

Restored Crew Activity Fact <CF_RST_CREW>

Entity Relationship Diagram



Properties

| Property | Value |
|------------------|------------------|
| Table Type | Fact |
| Fact Type | Transaction |
| Default Analytic | Outage Analytics |

Fields

| Column | OBIEE Field | Load |
|-----------------|------------------------|--------------------------|
| RST_CREW_KEY | | SPL_RST_CREW_SEQ.NEXTVAL |
| UDM1 | User Defined Measure 1 | Stage: UDM1 |
| UDM2 | User Defined Measure 2 | Stage: UDM2 |
| UDM3 | User Defined Measure 3 | Stage: UDM3 |
| UDM4 | User Defined Measure 4 | Stage: UDM4 |
| UDM5 | User Defined Measure 5 | Stage: UDM5 |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| FACT_CNT | Number of Crews | 1 |
| JOB_NBR | Job Number | B1_ETL_JOB_CTRL.JOB_NBR |

| Column | OBIEE Field | Load |
|-------------------|-------------------------------------|---|
| UDDGEN1 | User Defined Degenerate Dimension 1 | Stage: UDDGEN1 |
| UDDGEN2 | User Defined Degenerate Dimension 2 | Stage: UDDGEN2 |
| UDDGEN3 | User Defined Degenerate Dimension 3 | Stage: UDDGEN3 |
| SRC_CREW_ID | Crew ID (Natural Key) | Stage: SRC_CREW_ID |
| EVENT_KEY | | Join to CD_EVENT: Required CD_EVENT.SRC_NBR = Stage.SRC_EVENT_NBR |
| SRC_EVENT_NBR | Event Number (Natural Key) | Stage: SRC_EVENT_NBR |
| INROUTE_DURATION | Time Spent Inroute | Stage: INROUTE_DURATION |
| ASSIGN_DATE_KEY | | Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.ASSIGN_DATE |
| ASSIGN_TIME_KEY | | Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.ASSIGN_TIME |
| CREW_UDD1_KEY | | Join to CD_CREW_UDD1: Optional CD_CREW_UDD1.UDD1_CD(+) = Stage.UDD1_CD |
| CREW_UDD2_KEY | | Join to CD_CREW_UDD2: Optional CD_CREW_UDD2.UDD1_CD(+) = Stage.UDD2_CD |
| CTRL_ZONE_KEY | | Join to CD_CTRL_ZONE: Optional CD_CTRL_ZONE.SRC_NCG_ID(+) = Stage.SRC_NCG_ID |
| ASSIGN_USER_KEY | | Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_ASSIGN_USER |
| CREW_KEY | | Join to CD_CREW: Optional CD_CREW.SRC_CREW_ID(+) = Stage.SRC_CREW_ID |
| WORK_DURATION | Time Spent Onsite | Stage: WORK_DURATION |
| ASSIGN_DURATION | Time Spent Assigned | Stage: ASSIGN_DURATION |
| DISPATCH_DURATION | Time Spent Dispatched | Stage: DISPATCH_DURATION |

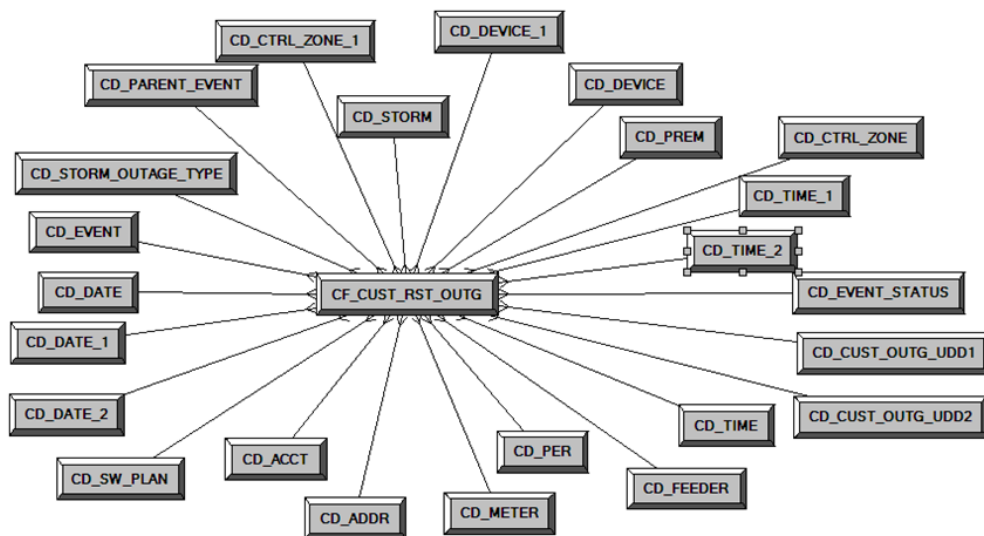
| Column | OBIEE Field | Load |
|-------------------|-------------|---|
| DEVICE_KEY | | Join to CD_DEVICE: Optional CD_DEVICE.SRC_DEVICE_CLS(+) = Stage.SRC_DEVICE_CLS and CD_DEVICE.SRC_DEVICE_IDX(+) = Stage.SRC_DEVICE_IDX |
| UNASSIGN_USER_KEY | | Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_UNASSIGN_USER |
| UNASSIGN_DATE_KEY | | Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.UNASSIGN_DATE |
| UNASSIGN_TIME_KEY | | Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.UNASSIGN_TIME |
| ACCEPT_USER_KEY | | Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_ACCEPT_USER |
| ACCEPT_DATE_KEY | | Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.ACCEPT_DATE |
| ACCEPT_TIME_KEY | | Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.ACCEPT_TIME |
| ARRIVE_TIME_KEY | | Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.ARRIVE_TIME |
| CMPL_TIME_KEY | | Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.CMPL_TIME |
| ARRIVE_DATE_KEY | | Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.ARRIVE_DATE |
| CMPL_DATE_KEY | | Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.CMPL_DATE |
| CMPL_USER_KEY | | Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_CMPL_USER |
| ARRIVE_USER_KEY | | Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_ARRIVE_USER |

| Column | OBIEE Field | Load |
|-----------------------|---------------|--|
| STORM_KEY | | Join to CD_STORM: Optional CD_STORM.SRC_STORM_NAME(+) = Stage.SRC_STORM_NAME and CD_STORM.SRC_STORM_NAME_SFX(+) = Stage.SRC_STORM_NAME_SFX |
| STORM_OUTAGE_TYPE_KEY | | Join to CD_STORM_OUTAGE_TYPE: Optional CD_STORM_OUTAGE_TYPE. SRC_OUTAGE_TYPE(+) = Stage.SRC_OUTAGE_TYPE |
| | Cmpl Time | Date and Time of Crew Completion, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the CMPL_DATE_KEY and CMPL_TIME_KEY |
| | Assign Time | Date and Time of Crew Assignment, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the ASSIGN_DATE_KEY and ASSIGN_TIME_KEY |
| | Accept Time | Date and Time of Crew Acceptance, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the ACCEPT_DATE_KEY and ACCEPT_TIME_KEY |
| | Arrive Time | Date and Time of Crew Arrival, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the ARRIVE_DATE_KEY and ARRIVE_TIME_KEY |
| | Unassign Time | Date and Time of Crew Unassignment, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the UNASSIGN_DATE_KEY and UNASSIGN_TIME_KEY |

| Column | OBIEE Field | Load |
|---------------|---|------------------------|
| | Average En Route Duration (in Minutes) | AVG(INROUTE_DURATION) |
| | Average Onsite Duration (in Minutes) | AVG(WORK_DURATION) |
| | Average Assign Duration (in Minutes) | AVG(ASSIGN_DURATION) |
| | Average Dispatch Duration (in Minutes) | AVG(DISPATCH_DURATION) |

Restored Customer Outage Fact <CF_CUST_RST_OUTG>

Entity Relationship Diagram



Properties

| Property | Value |
|------------------|------------------|
| Table Type | Fact |
| Fact Type | Transaction |
| Default Analytic | Outage Analytics |

Fields

| Column | OBIEE Field | Load |
|-------------------|--|-----------------------------------|
| CUST_RST_OUTG_KEY | | SPL_CUST_RST_OUTG_SEQ. NEXTVAL |
| UDM1 | User Defined Measure 1 | Stage: UDM1 |
| UDM2 | User Defined Measure 2 | Stage: UDM2 |
| UDM3 | User Defined Measure 3 | Stage: UDM3 |
| UDM4 | User Defined Measure 4 | Stage: UDM4 |
| UDM5 | User Defined Measure 5 | Stage: UDM5 |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| FACT_CNT | Customers Impacted | 1 |
| JOB_NBR | | B1_ETL_JOB_CTRL.JOB_NBR |
| UDDGEN1 | User Defined Degenerate Dimension 1 | Stage: UDDGEN1 |

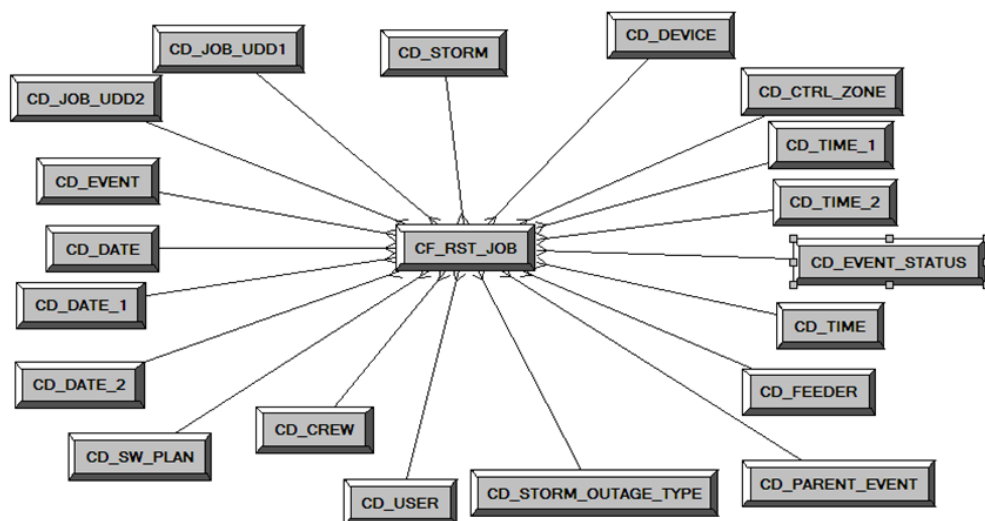
| Column | OBIEE Field | Load |
|------------------|-------------------------------------|--|
| UDDGEN2 | User Defined Degenerate Dimension 2 | Stage: UDDGEN2 |
| UDDGEN3 | User Defined Degenerate Dimension 3 | Stage: UDDGEN3 |
| SRC_ID | ID (Natural Key) | Stage: SRC_ID |
| EVENT_KEY | | Join to CD_EVENT: Required CD_EVENT.SRC_NBR = Stage.SRC_NBR |
| EVENT_STATUS_KEY | | Join to CD_EVENT_STATUS: Required CD_EVENT_STATUS.SRC_STATUS = Stage.SRC_STATUS |
| ACCT_KEY | | Join to CD_ACCT: Required CD_ACCT.SRC_ACCT_ID = Stage.SRC_ACCT_ID |
| PREM_KEY | | Join to CD_PREM: Required CD_PREM.SRC_PREM_ID = Stage.SRC_ACCT_ID |
| PER_KEY | | Join to CD_PER: Required CD_PER.SRC_PER_ID = Stage.SRC_ACCT_ID |
| METER_KEY | | Join to CD_METER: Required CD_METER.SRC_METER_ID = Stage.SRC_ACCT_ID |
| ADDR_KEY | | Join to CD_ADDR: Required CD_ADDR.SRC_ADDR_ID = Stage.SRC_ACCT_ID |
| BEGIN_DATE_KEY | | Join to CD_DATE: Required CD_DATE.CAL_DT = Stage.BEGIN_DATE |
| BEGIN_TIME_KEY | | Join to CD_TIME: Required CD_TIME.SRC_TIME = Stage.BEGIN_TIME |
| BEGIN_DTTM | Begin Date | Stage: BEGIN_DTTM |
| RST_DATE_KEY | | Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.RST_DATE |
| RST_TIME_KEY | | Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.RST_TIME |
| RST_DTTM | Restore Date | Stage: RST_DTTM |
| RST_IND | Restored? | Stage: RST_IND |

| Column | OBIEE Field | Load |
|---------------------|---------------------------------|--|
| EST_RST_TIME_KEY | | Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.EST_RST_TIME |
| EST_RST_DATE_KEY | | Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.EST_RST_DATE |
| CTRL_ZONE_KEY | | Join to CD_CTRL_ZONE: Required CD_CTRL_ZONE.SRC_NCG_I D = Stage.SRC_AFF_NCG_ID |
| CAUSE_CTRL_ZONE_KEY | | Join to CD_CTRL_ZONE: Optional CD_CTRL_ZONE.SRC_NCG_I D(+) = Stage.SRC_CAUSE_NCG_ID |
| CUST_OUTG_UDD1_KEY | | Join to CD_CUST_OUTG_UDD1: Optional CD_CUST_OUTG_UDD1.UD D1_CD(+) = Stage.UDD1_CD |
| CUST_OUTG_UDD2_KEY | | Join to CD_CUST_OUTG_UDD2: Optional CD_CUST_OUTG_UDD2.UD D2_CD(+) = Stage.UDD2_CD |
| PLANNED_IND | Planned? | Stage: PLANNED_IND |
| EXCLUDE_IND | Excluded? | Stage: EXCLUDE_IND |
| OMS_EXCLUDE_IND | OMS Excluded? | Stage: OMS_EXCLUDE_IND |
| CANCELLED_IND | Cancelled? | Stage: CANCELLED_IND |
| OUTG_DURATION | Outage Duration | Stage: OUTG_DURATION |
| NUM_MOMENTARY | Number of Momentaries | Stage: NUM_MOMENTARY |
| CMI | Customer Minutes Interrupted | Stage: CMI |
| AFF_DEVICE_KEY | | Join to CD_DEVICE: Optional CD_DEVICE.SRC_DEVICE_I DX(+) = Stage.SRC_AFF_DEVICE_IDX and CD_DEVICE.SRC_DEVICE_C LS(+) = Stage.SRC_AFF_DEVICE_CLS |

| Column | OBIEE Field | Load |
|-----------------------|--------------------------------------|---|
| CAUSE_DEVICE_KEY | | Join to CD_DEVICE: Optional CD_DEVICE.SRC_DEVICE_IDX(+) = Stage.SRC_CAUSE_DEVICE_IDX and CD_DEVICE.SRC_DEVICE_CLS(+) = Stage.SRC_CAUSE_DEVICE_CLS |
| FEEDER_KEY | | Join to CD_FEEDER: Optional CD_FEEDER.SRC_FEEDER_CLS(+) = Stage.SRC_FEEDER_CLS and CD_FEEDER.SRC_FEEDER_IDX(+) = Stage.SRC_FEEDER_IDX |
| SW_PLAN_KEY | | Join to CD_SW_PLAN: Optional CD_SW_PLAN.SRC_SW_PLAN_CLS(+) = Stage.SRC_SW_PLAN_CLS and CD_SW_PLAN.SRC_SW_PLAN_IDX(+) = Stage.SRC_SW_PLAN_IDX |
| STORM_KEY | | Join to CD_STORM: Optional CD_STORM.SRC_STORM_NAME(+) = Stage.SRC_STORM_NAME and CD_STORM.SRC_STORM_NAME_SFX(+) = Stage.SRC_STORM_NAME_SFX |
| STORM_OUTAGE_TYPE_KEY | | Join to CD_STORM_OUTAGE_TYPE: Optional CD_STORM_OUTAGE_TYPE.SRC_OUTAGE_TYPE(+) = Stage.SRC_OUTAGE_TYPE |
| PARENT_EVENT_KEY | | Join to CD_EVENT: Optional CD_EVENT.SRC_NBR(+) = Stage.SRC_PARENT_NBR |
| | Average Outage Duration (in Minutes) | AVG(OUTG_DURATION) |
| | Revenue Loss | sum(OUTG_DURATION) / nullif(24 * 30, 0) * avg(CF_FT.REVENUE_AMT) * 0.75 |
| | Loss | sum(CMI) |

Restored Job Fact <CF_RST_JOB>

Entity Relationship Diagram



Properties

| Property | Value |
|------------------|------------------|
| Table Type | Fact |
| Fact Type | Transaction |
| Default Analytic | Outage Analytics |

Fields

| Column | OBIEE Field | Load |
|-----------------|-------------------------------------|-------------------------|
| RST_JOB_KEY | | SPL_RST_JOB_SEQ.NEXTVAL |
| UDM1 | Customers Impacted | Stage: UDM1 |
| UDM2 | Calls Received | Stage: UDM2 |
| UDM3 | User Defined Measure 3 | Stage: UDM3 |
| UDM4 | User Defined Measure 4 | Stage: UDM4 |
| UDM5 | User Defined Measure 5 | Stage: UDM5 |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| FACT_CNT | Number of Events | 1 |
| JOB_NBR | | B1_ETL_JOB_CTRL.JOB_NBR |
| UDDGEN1 | User Defined Degenerate Dimension 1 | Stage: UDDGEN1 |

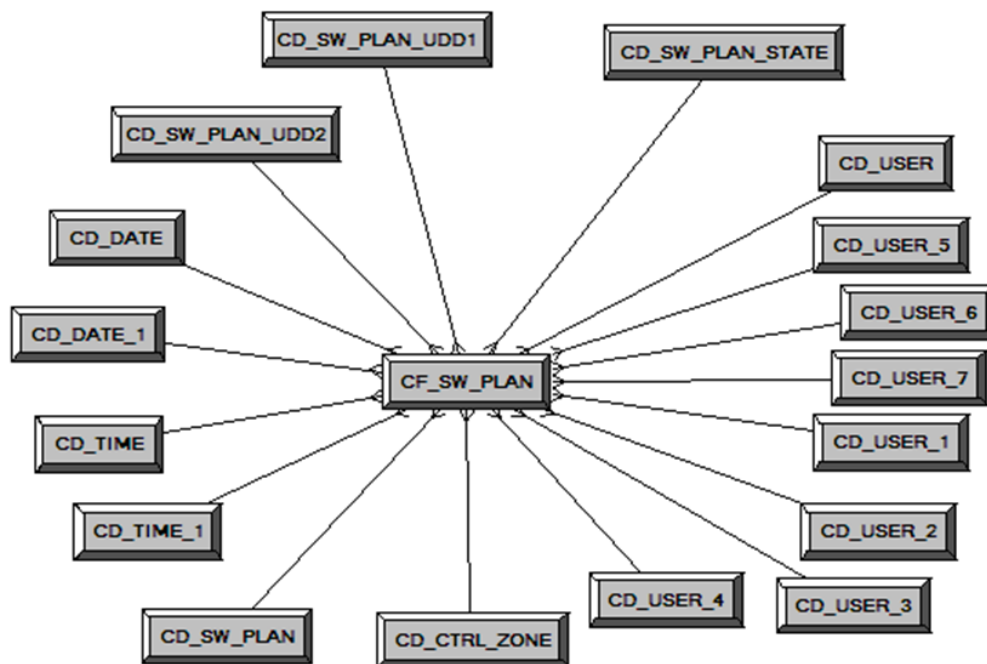
| Column | OBIEE Field | Load |
|------------------|-------------------------------------|--|
| UDDGEN2 | User Defined Degenerate Dimension 2 | Stage: UDDGEN2 |
| UDDGEN3 | User Defined Degenerate Dimension 3 | Stage: UDDGEN3 |
| SRC_JOB_NBR | Job Number (Natural Key) | Stage: SRC_NBR |
| EVENT_KEY | | Join to CD_EVENT: Required CD_EVENT.SRC_NBR = Stage.SRC_NBR |
| EVENT_STATUS_KEY | | Join to CD_EVENT_STATUS: Required CD_EVENT_STATUS.SRC_STATUS = Stage.SRC_STATUS |
| BEGIN_DATE_KEY | | Join to CD_DATE: Required CD_DATE.CAL_DT = Stage.BEGIN_DATE |
| BEGIN_TIME_KEY | | Join to CD_TIME: Required CD_TIME.SRC_TIME = Stage.BEGIN_TIME |
| BEGIN_DTTM | Begin Date | Stage: BEGIN_DTTM |
| RST_TIME_KEY | | Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.RST_TIME |
| RST_DATE_KEY | | Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.RST_DATE |
| RST_DTTM | Restore Date | Stage: RST_DTTM |
| RST_IND | Restored? | Stage: RST_IND |
| EST_RST_TIME_KEY | | Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.EST_RST_TIME |
| EST_RST_DATE_KEY | | Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.EST_RST_DATE |
| PLANNED_IND | Planned? | Stage: PLANNED_IND |
| EXCLUDE_IND | Excluded? | Stage: EXCLUDE_IND |
| OMS_EXCLUDE_IND | OMS Exclude? | Stage: OMS_EXCLUDE_IND |
| CANCELLED_IND | Cancelled? | Stage: CANCELLED_IND |
| OUTG_DURATION | Outage Duration | Stage: OUTG_DURATION |

| Column | OBIEE Field | Load |
|---------------|-------------|--|
| CTRL_ZONE_KEY | | Join to CD_CTRL_ZONE: Optional CD_CTRL_ZONE.SRC_NCG_ID D(+) = Stage.SRC_NCG_ID |
| DEVICE_KEY | | Join to CD_DEVICE: Optional CD_DEVICE.SRC_DEVICE_CLS(+) = Stage.SRC_DEVICE_CLS and CD_DEVICE.SRC_DEVICE_IDX(+) = Stage.SRC_DEVICE_IDX |
| CMPL_USER_KEY | | Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_CMPL_USER |
| RESP_USER_KEY | | Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_RESP_USER |
| CREW_KEY | | Join to CD_CREW: Optional CD_CREW.SRC_CREW_ID(+) = Stage.SRC_CREW_ID |
| JOB_UDD1_KEY | | Join to CD_JOB_UDD1: Optional CD_JOB_UDD1.UDD1_CD(+) = Stage.UDD1_CD |
| JOB_UDD2_KEY | | Join to CD_JOB_UDD2: Optional CD_JOB_UDD2.UDD2_CD(+) = Stage.UDD2_CD |
| FEEDER_KEY | | Join to CD_FEEDER: Optional CD_FEEDER.SRC_FEEDER_CLS(+) = Stage.SRC_FEEDER_CLS and CD_FEEDER.SRC_FEEDER_IDX(+) = Stage.SRC_FEEDER_IDX |
| SW_PLAN_KEY | | Join to CD_SW_PLAN: Optional CD_SW_PLAN.SRC_SW_PLAN_CLS(+) = Stage.SRC_SW_PLAN_CLS and CD_SW_PLAN.SRC_SW_PLAN_IDX(+) = Stage.SRC_SW_PLAN_IDX |

| Column | OBIEE Field | Load |
|-----------------------|---|---|
| STORM_KEY | | Join to CD_STORM: Optional CD_STORM.SRC_STORM_NAME(+) = Stage.SRC_STORM_NAME and CD_STORM.SRC_STORM_NAME_SFX(+) = Stage.SRC_STORM_NAME_SFX |
| STORM_OUTAGE_TYPE_KEY | | Join to CD_STORM_OUTAGE_TYPE: Optional CD_STORM_OUTAGE_TYPE. SRC_OUTAGE_TYPE(+) = Stage.SRC_OUTAGE_TYPE |
| PARENT_EVENT_KEY | | Join to CD_EVENT: Optional CD_EVENT.SRC_NBR(+) = Stage.PARENT_SRC_NBR |
| | Average Outage Duration (in Minutes) | AVG(OUTG_DURATION) |
| | Est Rst Time | Date and Time of the Estimated Restoration, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the EST_RST_DATE_KEY and EST_RST_TIME_KEY |
| | Average Difference Between ERT and Restore Time | AVG(Restore Time - Est Rst Time) * 1440 |

Switch Plan Fact <CF_SW_PLAN>

Entity Relationship Diagram



Properties

| Property | Value |
|------------------|------------------------|
| Table Type | Fact |
| Fact Type | Transaction |
| Default Analytic | Distribution Analytics |

Fields

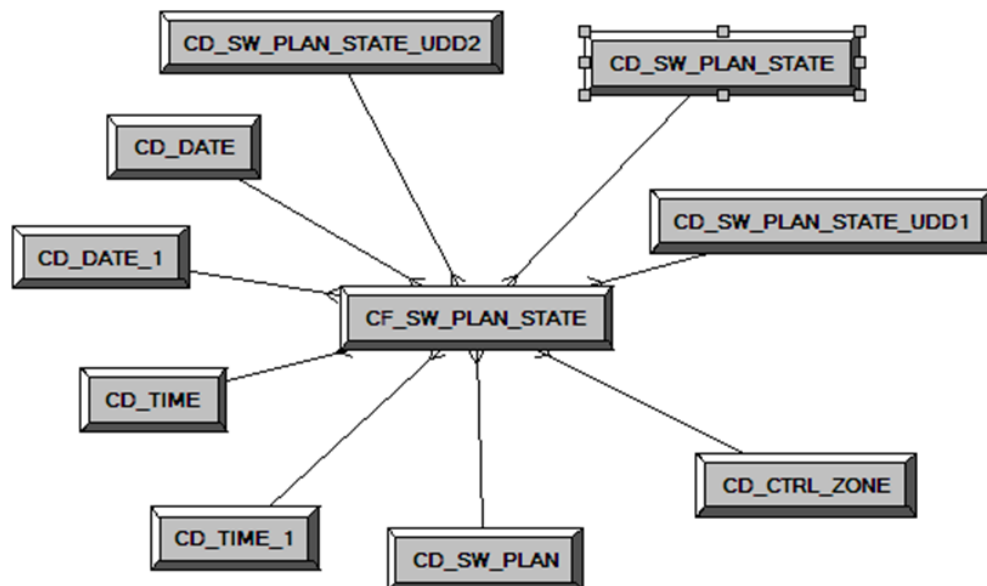
| Column | OBIEE Field | Load |
|-----------------|-------------------|----------------------------|
| SW_PLAN_F_KEY | | SPL_SW_PLAN_F_SEQ.NEXT VAL |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| JOB_NBR | | B1_ETL_JOB_CTRL.JOB_NBR |
| SRC_SW_PLAN_CLS | Switch Plan Class | Stage: SRC_SW_PLAN_CLS |
| SRC_SW_PLAN_IDX | Switch Plan Index | Stage: SRC_SW_PLAN_IDX |

| Column | OBIEE Field | Load |
|-------------------|-----------------|--|
| SW_PLAN_KEY | | Join to CD_SW_PLAN: Required CD_SW_PLAN.SRC_SW_PLAN_CLS = Stage.SRC_SW_PLAN_CLS and CD_SW_PLAN.SRC_SW_PLAN_IDX = Stage.SRC_SW_PLAN_IDX |
| CTRL_ZONE_KEY | | Join to CD_CTRL_ZONE: Required CD_CTRL_ZONE.SRC_NCG_ID = Stage.SRC_NCG_ID |
| SW_PLAN_STATE_KEY | | Join to CD_SW_PLAN_STATE: Required CD_SW_PLAN_STATE.SRC_STATE_KEY = Stage.SRC_STATE_KEY |
| BEGIN_DATE_KEY | | Join to CD_DATE: Required CD_DATE.CAL_DT = Stage.BEGIN_DATE |
| BEGIN_TIME_KEY | | Join to CD_TIME: Required CD_TIME.SRC_TIME = Stage.BEGIN_TIME |
| BEGIN_DTTM | Begin Date Time | Stage: BEGIN_DTTM |
| END_DATE_KEY | | Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.END_DATE |
| END_TIME_KEY | | Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.END_TIME |
| END_DTTM | End Date/Time | Stage: END_DTTM |
| USER_KEY1 | | Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.USER_CD1 |
| USER_KEY2 | | Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.USER_CD2 |
| USER_KEY3 | | Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.USER_CD3 |
| USER_KEY4 | | Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.USER_CD4 |

| Column | OBIEE Field | Load |
|-------------------------|--|--|
| USER_KEY5 | | Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.USER_CD5 |
| USER_KEY6 | | Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.USER_CD6 |
| USER_KEY7 | | Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.USER_CD7 |
| USER_KEY8 | | Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.USER_CD8 |
| SW_PLAN_UDD1_KEY | | Join to CD_SW_PLAN_UDD1: Optional CD_SW_PLAN_UDD1.UDD1_ CD(+) = Stage.UDD1_CD |
| SW_PLAN_UDD2_KEY | | Join to CD_SW_PLAN_UDD2: Optional CD_SW_PLAN_UDD2.UDD2_ CD(+) = Stage.UDD2_CD |
| DURATION | Duration | Stage: DURATION |
| NBR_OF_STEPS | Number of Steps | Stage: NBR_OF_STEPS |
| NBR_OF_FAILED_STEPS | Number of failed steps | Stage: NBR_OF_FAILED_STEPS |
| NBR_OF_ABORTED_STEPS | Number of aborted steps | Stage: NBR_OF_ABORTED_STEPS |
| NBR_OF_SAFETY_DOCUMENTS | Number of safety documents | Stage: NBR_OF_SAFETY_DOCS |
| FACT_CNT | Count | 1 |
| UDM1 | User Defined Measure 1 | Stage: UDM1 |
| UDM2 | User Defined Measure 2 | Stage: UDM2 |
| UDM3 | User Defined Measure 3 | Stage: UDM3 |
| UDM4 | User Defined Measure 4 | Stage: UDM4 |
| UDM5 | User Defined Measure 5 | Stage: UDM5 |
| UDDGEN1 | User Defined Degenerate Dimension 1 | Stage: UDDGEN1 |
| UDDGEN2 | User Defined Degenerate Dimension 2 | Stage: UDDGEN2 |
| UDDGEN3 | User Defined Degenerate Dimension 3 | Stage: UDDGEN3 |

Switch Plan State Fact <CF_SW_PLAN_STATE>

Entity Relationship Diagram



Properties

| Property | Value |
|------------------|------------------------|
| Table Type | Fact |
| Fact Type | Transaction |
| Default Analytic | Distribution Analytics |

Fields

| Column | OBIEE Field | Load |
|---------------------|--------------------------|--|
| SW_PLAN_STATE_F_KEY | | SPL_SW_PLAN_STATE_F_SEQNEXTVAL |
| DATA_SOURCE_IND | | Stage: DATA_SOURCE_IND |
| JOB_NBR | Job Number | B1_ETL_JOB_CTRL.JOB_NBR |
| SRC_LOG_ENTRY | Switch Plan Log Entry ID | Stage: SRC_LOG_ENTRY |
| SW_PLAN_KEY | | Join to CD_SW_PLAN: Required CD_SW_PLAN.SRC_SW_PLAN_CLS = Stage.SRC_SW_PLAN_CLS and CD_SW_PLAN.SRC_SW_PLAN_IDX = Stage.SRC_SW_PLAN_IDX |

| Column | OBIEE Field | Load |
|------------------------|-------------------------------------|---|
| CTRL_ZONE_KEY | | Join to CD_CTRL_ZONE: Required CD_CTRL_ZONE.SRC_NCG_ID = Stage.SRC_NCG_ID |
| SW_PLAN_STATE_KEY | | Join to CD_SW_PLAN_STATE: Required CD_SW_PLAN_STATE.SRC_STATE_KEY = Stage.SRC_STATE_KEY |
| BEGIN_DATE_KEY | | Join to CD_DATE: Required CD_DATE.CAL_DT = Stage.BEGIN_DATE |
| BEGIN_TIME_KEY | | Join to CD_TIME: Required CD_TIME.SRC_TIME = Stage.BEGIN_TIME |
| BEGIN_DTTM | Begin Date Time | Stage: BEGIN_DTTM |
| END_DATE_KEY | | Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.END_DATE |
| END_TIME_KEY | | Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.END_TIME |
| END_DTTM | End Date/Time | Stage: END_DTTM |
| SW_PLAN_STATE_UDD1_KEY | | Join to CD_SW_PLAN_STATE_UDD1 : Optional CD_SW_PLAN_STATE_UDD1.UDD1_CD(+) = Stage.UDD1_CD |
| SW_PLAN_STATE_UDD2_KEY | | Join to CD_SW_PLAN_STATE_UDD2 : Optional CD_SW_PLAN_STATE_UDD2.UDD2_CD(+) = Stage.UDD2_CD |
| STATE_DURATION | Duration of the Switch Plan State | Stage: STATE_DURATION |
| FACT_CNT | Number of Switch Plan State Changes | 1 |
| UDM1 | User Defined Measure 1 | Stage: UDM1 |
| UDM2 | User Defined Measure 2 | Stage: UDM2 |
| UDM3 | User Defined Measure 3 | Stage: UDM3 |
| UDM4 | User Defined Measure 4 | Stage: UDM4 |

| Column | OBIEE Field | Load |
|---------------|-------------------------------------|----------------|
| UDM5 | User Defined Measure 5 | Stage: UDM5 |
| UDDGEN1 | User Defined Degenerate Dimension 1 | Stage: UDDGEN1 |
| UDDGEN2 | User Defined Degenerate Dimension 2 | Stage: UDDGEN2 |
| UDDGEN3 | User Defined Degenerate Dimension 3 | Stage: UDDGEN3 |

Chapter 3

Configuring Oracle Utilities Network Management System

To enable proper data extracts for Oracle Utilities Extractors and Schema, certain parameters need to be defined in the Oracle Utilities Network Management System application. This chapter provides information on the steps to be taken to enable this configuration.

- **Configuring NMS**
- **NMS BI Extractor Overview**
- **Installing NMS BI Extractors**
- **Importing NMS Extract Files**

Configuring NMS

This section describes the necessary configuration of environment variables in Oracle Utilities Network Management System for running the BI extractors.

CES_PARAMETERS

BI version 2.4.0 introduced schema changes that is handled in Oracle Utilities Network Management System by setting a BI version attribute in the CES_PARAMETERS database table. The attribute, **BI_VERSION**, is populated with an app of 'NMS' and the BI version value.

For BI version 2.4.0 or any later versions, the `<project>_parameters.sql` file would need the following INSERT statement:

```
INSERT INTO CES_PARAMETERS (APP, ATTRIB, VALUE) VALUES
('NMS',
 'BI_VERSION',
 '2.4');
```

If the BI_VERSION being used is prior to version 2.4.0, BI_VERSION is not set in the `<project>_parameters.sql` file, and Oracle Utilities Network Management System defaults to BI version 2.2.0.

Environment Variables

If extracting from multiple NMS instances into a common BI environment, edit the `.nmsrc` to uncomment the export line for `CES_BI_DATA_SOURCE` by removing the leading `#`:

```
export CES_BI_DATA_SOURCE=4
```

The default value is 4.

NMS BI Extractor Overview

This section explains the extractor scripts, which should be configured to run in scheduled cron jobs. Each of these scripts creates a set of extract files, which are direct queries from Oracle Utilities Network Management System database views. The mapping of these views to BI database tables is documented with Oracle database comments. They can be accessed by performing the following query in the Oracle Utilities Network Management System database:

```
SELECT * FROM user_tab_comments WHERE table_name LIKE '%MODIFY_V' AND  
comments IS NOT NULL;
```

bi_common_extractor

This script extracts the model-related information, such as devices and control zones. It is designed to be run daily, after model changes.

bi_event_extractor

This script extracts the information related to completed outages and calls. It is designed to be run daily.

bi_customer_extractor

This script extracts the customer information. It is designed to be run daily, after the customer data changes.

bi_feeder_extractor

This script extracts the feeder load information. It is designed to be run hourly to report average hourly loads.

bi_switch_extractor

This script extracts the planned switching information. It is designed to be run daily to report the switching activity.

nrt_extractor

This script extracts current outage, call, and storm information. It is designed to be run 3 to 4 times an hour, throughout the day.

Notes about Extractors

These scripts create extract `.dat` and `.ctl` files in `bi_extract_dir` database directory; the default is `$HOME/extract` unless `NMS_BI_DIRECTORY` environment variable is set. These files will be read by the Oracle Utilities Extractors and Schema import process.

Each script generates a log file named, for example, `bi_common_extractor.log`, which lists any errors.

The `bi_feeder_extractor` should not be run more frequently than once an hour, and the `nrt_extractor` can be scheduled to run every 15 minutes. The order that these two extractors run does not matter. To schedule the daily extracts, `bi_common_extractor`, `bi_event_extractor`, `bi_switch_extractor`, and `bi_customer_extractor` should run in the following order:

-
1. bi_event_extractor
 2. bi_switch_extractor
 3. bi_common_extractor
 4. bi_customer_extractor

Installing NMS BI Extractors

To install the Oracle Utilities Network Management System BI extractors:

1. Run the install_business_intelligence script.
2. Run the refresh_business_intelligence script for any subsequent configuration and schema changes.

This script generates a log file, create_bi_extractors.log, which lists any errors.

Importing NMS Extract Files

The extract files created by running the Oracle Utilities Network Management System extractors must be moved to the directory specified in the EditFP.tcl script that is executed when Oracle Utilities Extractors and Schema is installed. There are various mechanisms that a System Administrator can use to copy these files, including FTP scripts and Cross Mounting hard drives. However, Oracle does not provide any scripts to copy extract files, so a customer is responsible for putting these in place.

Once the extract files have been copied to the appropriate import directory, the Oracle Utilities Network Management System the dimension and fact load jobs need to be run. For more information on scheduling the work flows, see **Appendix** on Oracle Warehouse Builder in the *Oracle Utilities Analytics Administration Guide for Oracle Utilities Extractors and Schema and Oracle Utilities Analytics Dashboards*.

After importing the data, the Oracle Utilities Network Management System zones and portals that a customer has created can be opened or refreshed to view the Oracle Utilities Network Management System data in Oracle Utilities Analytics.

To import from the extracted files using a function call in sqlplus:

1. Install the Function NMS_EXEC_WF_FNC to Execute Process Flows from SQLPLUS.

- For 10g, install the script nms_exec_wf_fnc_10.sql.

```
sqlplus birepownuser/birepownpasswd@birepown_instance  
< nms_exec_wf_fnc_10.sql > nms_exec_wf_fnc_10.sql.log
```

- For 11g, install the script nms_exec_wf_fnc_11.sql.

```
sqlplus birepownuser/birepownpasswd@birepown_instance  
< nms_exec_wf_fnc_11.sql > nms_exec_wf_fnc_11.sql.log
```

2. Ensure the following environment variables are set:

- BIREPOWN_USER - BI Repository User
- BIREPOWN_PASSWD - BI Repository Password
- BIREPOWN_INSTANCE - SQL*Net connection to the BI Repository Database

3. Run the import into DWADM schema from the extracted files. For the daily extracts, set the following scripts to run on schedule after the entire daily extract has run, in the following order:

- a. `bi_customer_import` - call this script after the `bi_customer_extractor` runs.
- b. `bi_common_import` - call this script after the `bi_common_extractor` runs.
- c. `bi_switch_import` - call this script after the `bi_switch_extractor` runs.
- d. `bi_event_import` - call this script after the `bi_event_extractor` runs.

For the other two extracts, set the import to run after the extract has taken place:

- `bi_feeder_import` - call this script after the `bi_feeder_extractor` runs.
- `bi_nrt_import` - call this script after the `nrt_extractor` runs.