

Data Driven Workforce

External Data Connector
Standard ORTEC WS data dictionary

Public

ORTEC

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Revision history

Version	Date	Author(s)	Changes
1.0	27-11-2025	-	Added Revision history to the existing document
1.1	02-02-2026	M Tabak	Changes for release 20260202: - FACT_US_Employee_Request (added: WISH_KEY, WISH_CREATION_DATE_KEY, WISH_Approval_DATE_KEY, WISH_Status) - FACT_US_Employee_Violation (added: Shift_Key) New view OWSBIDataTransferOverview
1.2	30-03-2026	M Tabak M Peers	Changes for release 20260330: - Made a note about the dimensions having a record for 'Unknown' - Added a short description for view FACT_US_Shiftbidding_Log - Add Shift_Code column to Shift tables - Add Illness_Code column to Fact_US_Employee_Sick_Leave Remove analytic view descriptions
1.3	05-06-2026	H Post M Tabak	Changes for release 20260608: Added a description for the new views DIM_US_DUTYSET DIM_US_DEMANDSET FACT_US_DUTYSET_PERIODS FACT_US_DUTYSET_DUTY FACT_US_DUTYSET_ACTIVITY FACT_US_DUTYSET_DEMAND Including the corresponding setting
1.4	14-07-2026		Layout changes to new branding
1.5	12-10-2026	M Tabak D Sanchez	Changes for release 20261012: - Described the timezone for the view OWSBIDataTransferOverview - Several new columns have been added to FACT_US_Assigned_Shift, FACT_US_Vacant_Shift and FACT_US_Published_Shift - Described the new view FACT_US_SHIFT_SUBCONTRACT_STATUS - Described new column for FACT_US_Assigned_Activity, FACT_US_Published_Activity, FACT_US_Vacant_Activity - Described new columns for FACT_US_Account_Entry - Described new view FACT_US_Removed_Shift - Described the new setup of 'Properties' (Employee properties, etc.) and moved the current views to a 'Deprecated' chapter in the document

1 Introduction

A lot of valuable information for management reports is available in ORTEC Workforce Scheduling. This information can provide knowledge of the quality of workforce scheduling and helps to ensure and improve this quality.

However, the ORTEC Workforce Scheduling database is an operational database. This means that it is optimized for operational activities and therefore not suitable for creating management reports. In fact, some data is not even stored in the ORTEC Workforce Scheduling database.

The ORTEC External Data Connector offers a solution to make management information from ORTEC Workforce Scheduling accessible by transferring the data from the ORTEC Workforce Scheduling database to BI Support tables in a comprehensible format.

These BI Support tables are designed to create management reports. For example, reports to provide insight into the amount of operational and overhead hours, the extent in which planned deployment corresponds to the availability of staff or to show the number of violations on labor regulations.

This document first explains the concept of the BI support tables on the ORTEC External Data Connector. Next, it will describe the structure of the derived views from the BI support tables.

2Background

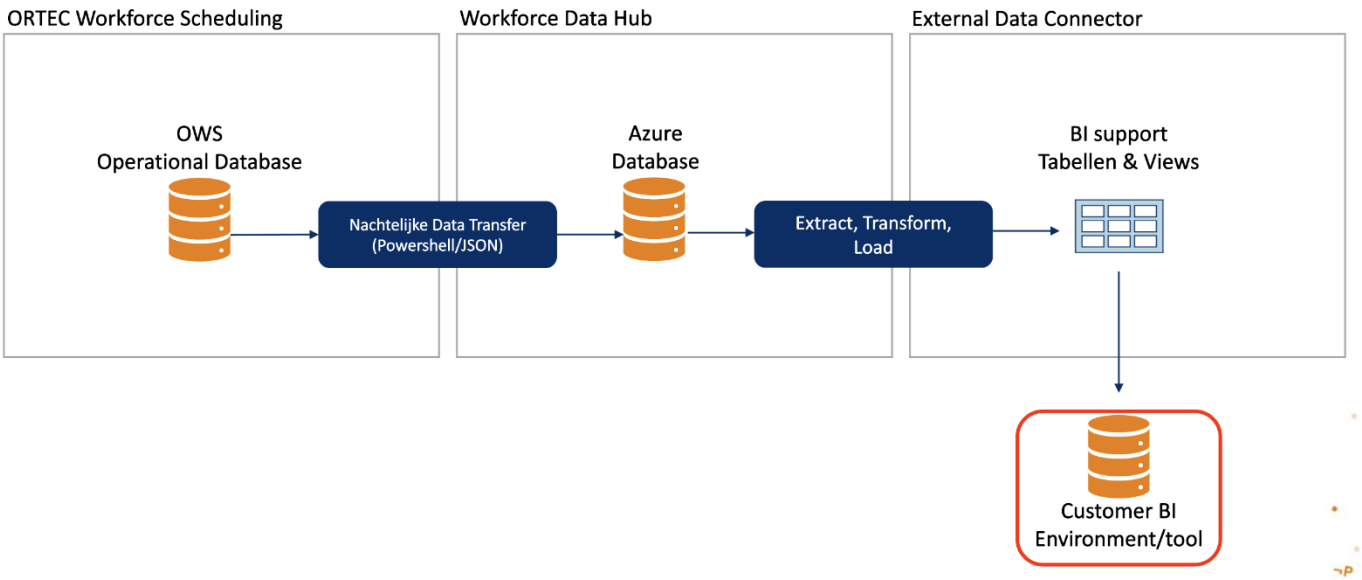
2.1 Positioning of Tables

The External Data Connector is an ORTEC service for connecting data externally. One of the functionalities is the BI support tables. Next to the BI support tables, there are also the analytics tables which are used in the Performance Analysis dashboards. The diagram below shows the position of the tables in the architecture of the External Date Connector.

The data from the operational database of ORTEC Workforce Scheduling is transformed and moved to the External Data Connector.

Views are available for reporting purposes. On one hand, the views are used to adjust the names of tables and columns into intuitively understandable names that correspond to the labels used in ORTEC Workforce Scheduling. On the other hand, the views allow us to adjust the BI support data model without affecting the reports that have already been built. Therefore, management reports should always be created on the views.

Customers using their own analysis tools, for example for data mining, should also use the views.

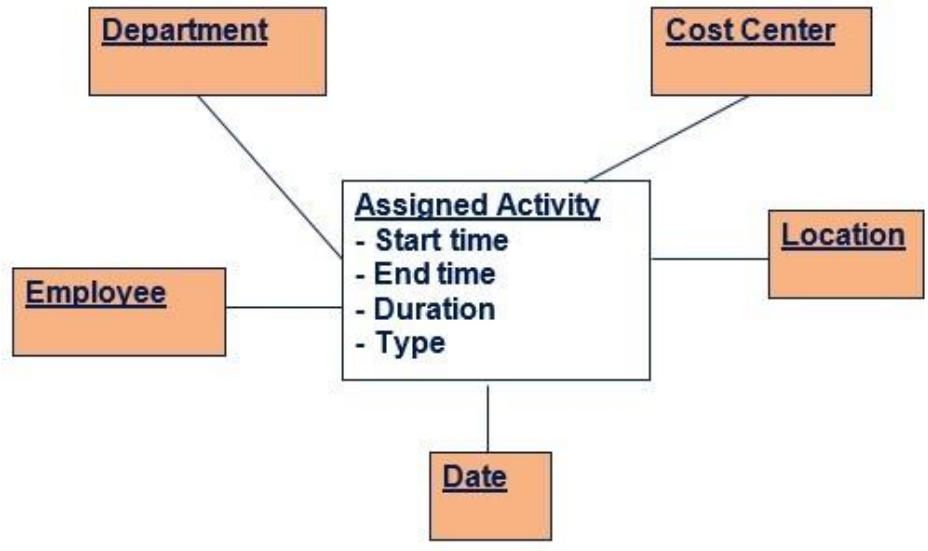


2.2 Bridge, dimension, fact and example views

There are four types of views: bridge, dimension, fact and example views. The fact views contain the values used for reporting, such as availability of the employee or the scheduled working time. The names of the views that contain facts start with FACT.

The facts are always reported for certain dimensions. The employee for instance is a dimension, because the availability is reported per employee. Other examples of dimensions are date, time, department and cost center. The name of the views that contain dimensions start with DIM.

The diagram below shows an example of the fact 'Assigned activity'. A report can be created to present the 'duration' of assigned activities. In addition, there is also a start time, end time and (activity)type available for each assigned activity. The duration of assigned activities can be reported per department, per cost center, per location, per date and per employee. These are the different dimensions.



The example views provide the same information as the fact views, with the only difference that the reference keys to connect information to dimensions are replaced by the names of the objects in the dimensions. In the fact view, a department key, for instance 123, will be available for an assigned shift. The name of this department is available in the DIM view and can be connected to the assigned shift using this department key. In the example view the actual name of the department is presented, which makes it easier to understand the data and to create simple reports showing this data.

In some cases, FACTS can refer to a DIM with optional fields. In that case, the fact view will refer to the corresponding dimension with ID -1 , representing an unknown object. All dimension views have a record 'Unknown' with this ID -1, such that no data will be lost when joins are made to these dimension views.
Certain dimension views will also have a record with ID -2, referring to a 'unassigned' entity. This is for example used for cost centers. In case an activity or shift does not have a reference to a cost center, it will refer to 'unassigned' to indicate that no cost center was added in ORTEC WS to this entity.
For the date dimension, we use the entity with ID -2 to reference to infinity. I this way, it is indicated that an object that can have a validity period, has no validity period assigned. The from/until date are set to minus infinity to infinity by referencing to these specific entries in the date dimension.

Finally, the bridge views provide a hierarchical structure of the data. These views are available for the organizational structure (departments) and cost centers. The name of bridge views start with BRDG.

3Settings

The amount of data that is loaded and refreshed in the BI support tables depends on the settings in the table below. These settings are not user configurable and should be discussed with your ORTEC representative.

Setting	Default	Performance impact	Relevant tables	Description
Incremental Load Period*	Current year to date	Yes	All	Period in which data gets a nightly refresh. See options in remarks.
Start time data transfer	00:00	Yes	/	Time when the nightly data transfer starts.
Initial start date	01/01/202X	Yes	All	Initial start date for collecting data. Maximum 1 year in the past.
Collect Violations	False	Yes	FACT_Employee_Violation	For collecting violations.
Collect Wishes	False	Yes	FACT_Employee_Request	For collecting wishes.
Collect Demanded Activities/Shifts	False	Yes	FACT_Demand_Activity FACT_Demand_Shift	For collecting activity and shift demand.
Collect Cyclic Shifts	False	Yes	FACT_Cyclical_Activity FACT_Cyclical_Shift	For collecting cyclic shifts.
Accounts**	None	Yes	DIM_Account DIM_Account_Category FACT_Account_Entry	The running accounts names that need to be send over.
Load Illness Description And Illness Type	No	No	FACT_Employee_Illness	For collecting illness description and illness type data.
EnableDutySetDutiesAndDutyDemand	No	No	DIM_US_DUTYSET DIM_US_DEMANDSET FACT_US_DUTYSET_PERIODS FACT_US_DUTYSET_DUTY FACT_US_DUTYSET_ACTIVITY FACT_US_DUTYSET_DEMAND	Determines if duties and duty demand from dutysets will be loaded and available through EDC.

*The maximum advised incremental data load period is 12 months in the standard implementation of the External Data Connector. A longer period can impact performance and should therefore be discussed with your ORTEC representative.

**A maximum of 5 accounts is advised in the standard implementation of the External data Connector. Additional accounts can impact performance and should therefore be discussed with your ORTEC representative.

Remarks on the settings:

- Options for incremental data load period options:
    - A certain number of months in the past and future
        - Example: 3 months in the past and 1 month in the future

    - Current year to date
        - Example: 01/01/202X -> XX/XX/202X
    - Fixed Period
        - Example: 01/01/2023 -> 01/01/2024
- The performance impact refers to an increased load on the ORTEC Workforce Scheduling application if the setting is turned on or increased. ORTEC Workforce Scheduling will need more time to calculate some data and therefore the External Data Connector will need more time. Depending on the settings, the total duration of the nightly data load can take up to several hours.

4 BI support tables

An ETL (Extract, Transform and Load) process on the data from the operational database generates the data for the BI support tables. The data of these tables is updated nightly according to the settings from chapter 3.

The BI support tables are only available when there is a single environment configuration. For customers with multiple ORTEC WS environments these tables will show as views.

The tables are not described in detail because it is advised to use the views for reporting purposes. On one hand, the views are used to adjust the names of tables and columns into intuitively understandable names that correspond to the labels used in ORTEC Workforce Scheduling. On the other hand, the views allow us to adjust the BI support data model without affecting the reports and queries that have already been built.

4.1 Single ORTEC WS environment

If your organization is using a single ORTEC WS environment setup, then you will find the BI support tables within the Tables folder of the database. Below you can find a list of the tables and the views for which they are used.

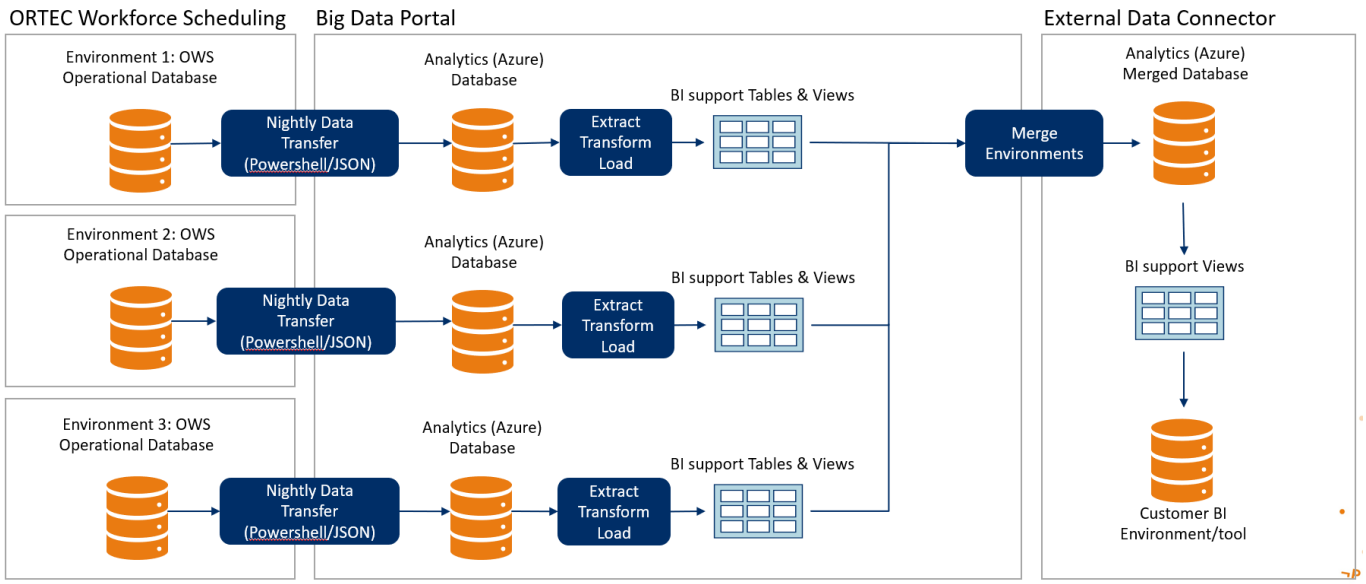
	Table name	Source for view(s)
1	DIM_DATE	DIM_US_Date
2	DIM_TIME	DIM_US_Time
3	DIM_ACCOUNT	DIM_US_Account
4	DIM_ACCOUNT_CATEGORY	DIM_US_Account_Category
5	DIM_ACTIVITY_TYPE	DIM_US_Activity_Type
6	DIM_COST_CENTER	DIM_US_Cost_Center
7	DIM_DEPARTMENT	DIM_US_Department
8	DIM_EMPLOYEE	DIM_US_Employee
9	DIM_EMPLOYMENT_TERM_GROUP	DIM_US_Employment_Term_Group
10	DIM_FUNCTION	DIM_US_Position
11	DIM_LOCATION	DIM_US_Location
12	DIM_PROPERTY	DIM_US_Property, FACT_US_Department_Property
13	DIM_ROTATION_UNIT	DIM_US_Rotation_Unit
14	DIM_SKILL	DIM_US_Skill
15	DIM_SORT_CATEGORY	DIM_US_Sort_Category
16	DIM_WORKSTATION	DIM_US_Workstation
17	DIM_USER	DIM_US_User
18	DIM_USER_GROUP	DIM_US_User_Group
19	DIM_DUTYSET	DIM_US_Dutyset
20	DIM_DEMANDSET	DIM_US_Demandset
21	DIM_COSTCENTER_PROPERTY	DIM_US_COSTCENTER_PROPERTY
22	DIM_EMPLOYEE_PROPERTY	DIM_US_EMPLOYEE_PROPERTY
23	DIM_DEPARTMENT_PROPERTY	DIM_US_DEPARTMENT_PROPERTY

24	DIM_LOCATION_PROPERTY	DIM_US_LOCATION_PROPERTY
25	DIM_DUTY_PROPERTY	DIM_US_DUTY_PROPERTY
1	FACT_ACCOUNT_CATEGORY_LINE	FACT_US_Account_Entry, FACT_US_Department_Entry
2	FACT_ACCOUNT_CATEGORY_LINE_DPT	FACT_US_Budget_Line, FACT_US_Department_Entry
3	FACT_ACTIVITY_DEMAND	FACT_US_Demand_Activity
4	FACT_ASSIGNED_ACTIVITY	FACT_US_Assigned_Activity
5	FACT_ASSIGNED_SHIFT	FACT_US_Assigned_Shift
6	FACT_BUDGET_LINE	FACT_US_Budget_Line
7	FACT_CYCLIC_ACTIVITY	FACT_US_Cyclical_Activity
8	FACT_CYCLIC_SHIFT	FACT_US_Cyclical_Shift
9	FACT_EMPLOYEE_AVAILABILITY	FACT_US_Employee_Availabilty
10	FACT_EMPLOYEE_EMPLOYMENT_TERM_GROUP	FACT_US_Employee_Employment_Term_Group
11	FACT_EMPLOYEE_EXCHANGE	FACT_US_Employee_Reassignment
12	FACT_EMPLOYEE_FUNCTION	FACT_US_Employee_Position
13	FACT_EMPLOYEE_ILLNESS	FACT_US_Employee_Sick_Leave
14	FACT_EMPLOYEE_REQUEST	FACT_US_Employee_Request
15	FACT_EMPLOYEE_ROTATION_UNIT	FACT_US_Employee_Rotation_Unit
16	FACT_EMPLOYEE_SKILL	FACT_US_Employee_Skill
17	FACT_EMPLOYEE_SORT_CATEGORY	FACT_US_Employee_Sort_Category
18	FACT_EMPLOYEE_VIOLATION	FACT_US_Employee_Violation
19	FACT_PROPERTY_VALUE	FACT_US_Department_Property
20	FACT_PUBLISHED_ACTIVITY	FACT_US_Published_Activity
21	FACT_PUBLISHED_SHIFT	FACT_US_Published_Shift
22	FACT_ROSTER_STATUS	FACT_US_Schedule_Status
23	FACT_SHIFT_DEMAND	FACT_US_Demand_Shift
24	FACT_SHIFT_SKILL	FACT_US_Shift_Skill
25	FACT_SHIFTBIDDING_LOG	FACT_US_Shiftbidding_Log
26	FACT_USER_USER_GROUP	FACT_US_User_User_Group
27	FACT_VACANT_ACTIVITY	FACT_US_Vacant_Activity
28	FACT_VACANT_SHIFT	FACT_US_Vacant_Shift
29	FACT_DUTYSET_PERIODS	FACT_US_Dutyset_Periods
30	FACT_DUTYSET_DUTY	FACT_US_Dutyset_Duty
31	FACT_DUTYSET_ACTIVITY	FACT_US_Dutyset_Activity
32	FACT_DUTYSET_DEMAND	FACT_US_Dutyset_Demand
33	FACT_SHIFT_SUBCONTRACT_STATUS	FACT_US_Shift_Subcontract_Status
34	FACT_REMOVED_SHIFT	FACT_US_Removed_Shift
35	FACT_EMPLOYEE_PROPERTY_VALUE	FACT_US_Employee_Property_Value
36	FACT_DEPARTMENT_PROPERTY_VALUE	FACT_US_Department_Property_Value
37	FACT_COSTCENTER_PROPERTY_VALUE	FACT_US_Costcenter_Property_Value
38	FACT_LOCATION_PROPERTY_VALUE	FACT_US_Location_Property_Value
39	FACT_ASSIGNED_SHIFT_DUTYPROPERTY_VALUES	FACT_US_Assigned_Shift_DutyProperty_Values

40	FACT_PUBLISHED_SHIFT_DUTYPROPERTY_VALUES	FACT_US_Published_Shift_DutyProperty_Values
41	FACT_VACANT_SHIFT_DUTYPROPERTY_VALUES	FACT_US_Vacant_Shift_DutyProperty_Values
1	BRDG_COST_CENTER_HIERARCHY	BRDG_US_Cost_Center_Hierarchy
2	BRDG_DEPARTMENT_HIERARCHY	BRDG_US_Department_Hierarchy
3	BRDG_LOCATION_HIERARCHY	BRDG_US_Location_Hierarchy
4	BRDG_USER_GROUP_HIERARCHY	BRDG_US_User_Group_Hierarchy
5	BRDG_PROPERTYVALUE_INTERVAL_DATE	BRDG_US_PropertyValue_Interval_Date

4.2 Multi ORTEC WS environments

If your organization is using a multi ORTEC WS environment setup, then the BI support tables of all individual environments are merged as views. These views will have the same name as the tables in the merged BI support database. All views will also have an extra column named; Environment, this is to indicate from which environment the data is from.
The table names in the first column of the table in section 4.1 are therefore also valid, but instead of Tables folder they can be found under Views folder of the database.
This is a visual example of the dataflow for a ORTEC WS setup with 3 environments:



5 BI support views

The reports are based on the views of the BI support tables. In this chapter we describe the content of each view. The views described are the English (US) versions which means all view and column names are in English. There are also Dutch (NL) versions of the BI support views with Dutch view and column names. These are not described in this document. Both sets of views contain the same data.

All the BI support views are placed in the bi_support schema.

View	Description
DIM_US_Account	Contains the accounts used
DIM_US_Account_Category	Contains the account categories used
DIM_US_Activity_Type	Contains the activity types used
DIM_US_Cost_Center	Contains the cost centers used
DIM_US_Date	Contains the dates used (from 1899-12-30 until 2447-12-31)
DIM_US_Department	Contains the departments used
DIM_US_Employee	Contains the employees used
DIM_US_Employment_Term_Group	Contains the employment conditions used
DIM_US_Location	Contains the locations used
DIM_US_Position	Contains the positions used
DIM_US_Property	Contains the properties used
DIM_US_Rotation_Unit	Contains the rotation units used
DIM_US_Skill	Contains the skills used
DIM_US_Sort_Category	Contains the sort categories used
DIM_US_Time	Contains the times used
DIM_US_Workstation	Contains the workstations used
DIM_US_User	Contains the users used
DIM_US_User_Group	Contains the usergroups used
DIM_US_Dutyset	Contains the dutysets used
DIM_US_Demandset	Contains the demandsets used
DIM_US_Costcenter_Property	Contains the cost center properties
DIM_US_Employee_Property	Contains the employee properties
DIM_US_Department_Property	Contains the department properties
DIM_US_Location_Property	Contains the location properties
DIM_US_Duty_Property	Contains the duty properties
FACT_US_Account_Entry	Contains the account entries on various accounts
FACT_US_Assigned_Activity	Contains the assigned activities (realized and future activities)
FACT_US_Assigned_Shift	Contains the assigned shifts (realized and future shifts)
FACT_US_Budget_Line	Contains the account entries of type “budget” (only manually entered budget entries. calculated budget entries will be of type “Calculated”)
FACT_US_Cyclical_Activity	Contains cyclical activities

FACT_US_Cyclical_Shift	Contains cyclical shifts
FACT_US_Demand_Activity	Contains the demand per activity
FACT_US_Demand_Shift	Contains de demand per shifts
FACT_US_Department_Entry	Contains account entries for departments (entries without employees and a total for all employee entries per department)
FACT_US_Department_Property	Contains the property values linked to departments
FACT_US_Employee_Availability	Contains the availability of the employee based on contract hours per department (a record per day)
FACT_US_Employee_Employment_Term_Group	Contains the employment conditions per employee
FACT_US_Employee_Position	Contains the positions per employee
FACT_US_Employee_Property	Contains the property values linked to employees
FACT_US_Employee_Reassignment	Contains the reassignments per employee including time of reassignment (number of days before shift)
FACT_US_Employee_Request	Contains requests of employees
FACT_US_Employee_Rotation_Unit	Contains the rotation units per employee
FACT_US_Employee_Sick_Leave	Contains sick leave per employee (one record per day of sick leave)
FACT_US_Employee_Skill	Contains the skills per employee
FACT_US_Employee_Sort_Category	Contains the sort categories per employee
FACT_US_Employee_Violation	Contains violations per employee
FACT_US_Published_Activity	Contains the activities at the time the schedule was published
FACT_US_Published_Shift	Contains the shifts at the time the schedule was published
FACT_US_Schedule_Status	Contains status information of scheduling periods
FACT_US_Shift_Skill	Contains the skills per shift
FACT_US_Shiftbidding_Log	Contains the logging of shift bidding actions
FACT_US_Vacant_Activitiy	Contains the activities still to be assigned
FACT_US_Vacant_Shift	Contains the shifts still to be assigned
FACT_US_User_User_Group	Contains the user groups that a user is a member of
FACT_US_Dutyset_Periods	Contains the validity period for the dutyset, duty demand and cyclical schedule
FACT_US_Dutyset_Duty	Contains duties from duty sets
FACT_US_Dutyset_Activity	Contains activities for duties from duty sets
FACT_US_Dutyset_Demand	Contains demanded duties for duties from duty sets
FACT_US_Shift_Subcontract_Status	Contains an overview of status changes from subcontracts
FACT_US_Removed_Shift	Contains a subset of shifts that have been removed in ORTEC WS
FACT_US_Employee_Property_Value	Contains an overview of all employee properties with the non-default value
FACT_US_Department_Property_Value	Contains an overview of all department properties with the non-default value
FACT_US_Costcenter_Property_Value	Contains an overview of all cost center properties with the non-default value

FACT_US_Location_Property_Value	Contains an overview of all location properties with the non-default value
FACT_US_Assigned_Shift_DutyProperty_Values	Contains an overview of all duty properties for assigned shifts with the non-default value
FACT_US_Published_Shift_DutyProperty_Values	Contains an overview of all duty properties for published shifts with the non-default value
FACT_US_Vacant_Shift_DutyProperty_Values	Contains an overview of all duty properties for vacant shifts with the non-default value
BRDG_Cost_Center_Hierarchy	Contains the hierarchical structure of cost centers
BRDG_Department_Hierarchy	Contains the hierarchical structure of departments
BRDG_Location_Hierarchy	Contains the hierarchical structure of locations
BRDG_User_Group_Hierarchy	Contains the hierarchical structure of usergroups
BRDG_PropertyValue_Interval_Date	Contains a relation between validity periods for properties and specific dates within such an interval
EX_US_Assigned_Shift	Contains assigned shifts (realized and future shifts) with references to actual names of dimensions instead of dimension keys.
EX_US_Account_Entry	Contains account entries with references to actual names of dimensions instead of dimension keys.
OWSBIDataTransferOverview	Contains an overview of the DataTransfer runs from ORTEC WS to the EDC for the last 7 days with their status. The Start and End timestamps are expressed in UTC.

6 Views Detailed

Reports will be created on the views of the BI support tables in the External Data Connector. In this chapter we describe the data available in the views.

6.1 BI support views

Timezone convention: Scheduling and other OWS business times are generally based on the local time of the OWS application server. Timestamps generated by the Workforce DataHub (intermediate platform), including logging timestamps and timestamps that record when an entity was added, are stored in Coordinated Universal Time (UTC). Unless explicitly stated otherwise, consumers should not assume that a datetime value represents the customer's local time.

6.1.1 View DIM_US_Account

Column	Data Type	Description
Account_Key	numeric	Account ID
Name_Account	nvarchar	The account name. OWS Client path: Accounts | Account management | Name
Description	nvarchar	The account description. OWS Client path: Accounts | Account management | Description
Code_Account	nvarchar	Legacy column for backwards compatibility reasons. Value is Same value as the value of Export_Code.
Account_Type	nvarchar	Indicates whether the type of entry is Time, Payment or Amount. OWS Client path: Accounts | Accountmanagement | Type of entries | Type of entries
Export_Code	nvarchar	The export code of the account. OWS Client path: Accounts | Account management | Export code
Start_Date_Key	numeric	ID for acount start date. OWS Client path: Accounts | Account management | Valid from
End_Date_Key	numeric	ID for acount end date. OWS Client path: Accounts | Account management | Valid until

6.1.2 View DIM_US_Account_Category

Column	Data Type	Description
Account_Category_Key	numeric	ID for Account category
Account_Key	numeric	ID for Account
Account_Name	nvarchar	The account name. OWS Client path: Accounts | Account management | Name
Name_Category	nvarchar	The account category name. OWS Client path: Accounts | Account management | Account categories | Name
Code_Category	nvarchar	Legacy column for backwards compatibility reasons. Value is always empty.
Description	nvarchar	The account category description. OWS Client path: Accounts | Account management | Account categories | Description
Import_Code	nvarchar	The import code of the account category. OWS Client path: Accounts | Account management | Account categories | Import code

Export_Code	nvarchar	The export code of the account category. OWS Client path: Accounts | Account management | Account categories | Export code
Start_Date_Key	numeric	ID for start date. OWS Client path: Accounts | Account management | Account categories | Valid from
End_Date_Key	numeric	ID for end date. OWS Client path: Accounts | Account management | Account categories | Valid until
Effective_From_Date	datetime	The information in the row is valid as of this date
Effective_Until_Date	datetime	The information in the row is valid until this date
Active_Flag	nvarchar	Legacy column. Dummy value equal to 'Y' for backwards compatibility reasons.

6.1.3 View DIM_US_Activity_Type

Column	Data Type	Description
Activity_Type_Key	numeric	ID for activity type
Name_Activity_Type	nvarchar	Name of Activity Type. OWS Client path: Maintenance | Organization | Activity type | Name of Activity type
Description	nvarchar	Description of Activity Type. OWS Client path: Maintenance | Organization | Activity type | Description of activity type
Import_Code	nvarchar	Import code of Activity Type. OWS Client path: Maintenance | Organization | Activity type | Import code
Export_Code	nvarchar	Export code of Activity Type. OWS Client path: Maintenance | Organization | Activity type | Export code
Activity_Class	nvarchar	Class of Activity Type. OWS Client path: Maintenance | Organization | Activity type | Class. Possible values are: ADV, AMPLITUDE, BREAKONCALL, COMPDAYOFF, COMPLEAVE, CONSIGNAT, CONSIGNAT, DAYOFF, EDUCATION, ILLNESS, ILLNESS, ILLNESSNL, ILLNESSNLNR, ILLNESSNR, ILLNESSNW, ILLNESSNWNR, LEAVE, LEAVE, ON_CALL, OPERATIONS, OVERTIME, OVERTIME, OVERTIMEM, OVERTIMET, PAUSE, PAUSE, PIKET, PRESENCE, PRESENCE_LABOUR, RESERVE, REST, SATDAYOFF, SETTLE_IN, SIDELINE, SUNDAYOFF, VACATION, VACATIONNL, VACATIONNW, WORKSTANDBY.
Start_Date_Key	numeric	ID for start date. Valid from (not visible in Workforce Scheduling Client)
End_Date_Key	numeric	ID for end date. Valid until (not visible in Workforce Scheduling Client)
Effective_From_Date	datetime	The information in the row is valid as of this date
Effective_Until_Date	datetime	The information in the row is valid until this date
Active_Flag	nvarchar	Legacy column. Dummy value equal to 'Y' for backwards compatibility reasons.

6.1.4 View DIM_US_Cost_Center

Column	Data Type	Description
Cost_Center_Key	numeric	ID for cost center
Name_Cost_Center	nvarchar	Name of cost center. OWS Client path: Maintenance | Cost center | Name
Description	nvarchar	Description of cost center. OWS Client path: Maintenance | Cost center | Description
Code_Cost_Center	nvarchar	Code of cost center. OWS Client path: Maintenance | Cost center | Code
Effective_From_Date	datetime	The information in the row is valid as of this date

Effective_Until_Date	datetime	The information in the row is valid until this date
Active_Flag	nvarchar	Legacy column. Dummy value equal to 'Y' for backwards compatibility reasons.

6.1.5 View DIM_US_Date

Column	Data Type	Description
Date_Key	numeric	ID for date
Full_Date	datetime	Full date [Example 1929-01-15 00:00:00.000]
Day_Number_In_Month	int	Day number in month
Day_Number_In_Year	int	Day number in year
Week_Number	int	Week number
Month_Number	int	Month number
Month_Name	nvarchar	Month name
Year_Number	int	Year number
Quarter_Number	int	Quarter number
Date_Format_YYYYMMDD	varchar	Date in YYYYMMDD [Example 20090115]
Weekend_Flag	nvarchar	Indicates whether the date is in a weekend
Day_Of_Week_Name	nvarchar	Name of day of the week
Leap_year_Flag	nvarchar	Indicates whether the date is in a leap year
Day_Number_In_Week	int	Day number in the week
Full_Date_Caption	nvarchar	Full date abbreviated [Example: 1929-01-15]
Half_Year_Number	int	Half year number
Year_Quarter_Caption	nvarchar	Year number and quarter number [Example: 1929-Q1]
Year_Half_Year_Caption	nvarchar	Year number and half year number [Example: 1929-H1]
Year_Month_Caption	nvarchar	Year number and month number [Example 1929-01]
Salary_Period_Name	nvarchar	Name of salary period
Salary_Period_Description	nvarchar	Description of salary period
Holiday_Flag	nvarchar	Indicates whether the date is on a holiday
Holiday_Name	nvarchar	Name of the holiday
Holiday_Description	nvarchar	Description of the holiday
Harmony_Active_Flag	nvarchar	Legacy column. Dummy value equal to 'Y' for backwards compatibility reasons.

6.1.6 View DIM_US_Department

Column	Data Type	Description
Department_Key	numeric	ID for department
Name_Department	nvarchar	Name of department. OWS Client path: Maintenance | Organization | Properties | Name
Description	nvarchar	Description of department. OWS Client path: Maintenance | Organization | Properties | Description
Abbreviation	nvarchar	Abbreviation of department. OWS Client path: Maintenance | Organization | Properties | Abbreviation
Code_Department	nvarchar	Code of department. OWS Client path: Maintenance | Organization | Properties | Code

Import_Code	nvarchar	Import code of department. OWS Client path: Maintenance | Organization | Properties | Import code
Export_Code	nvarchar	Export code of department. OWS Client path: Maintenance | Organization | Properties | Export code
Flexpool_Flag	nvarchar	Indication if department is flexpool department. OWS Client path: Maintenance | Organization | Properties | FlexPool
Cost_Center_Key	numeric	Datamart ID for cost center Maintenance | Organization | Properties | Cost Center
Start_Date_Key	numeric	Start date of department. OWS Client path: Maintenance | Organization | Properties | Valid from
End_Date_Key	numeric	End date of department. OWS Client path: Maintenance | Organization | Properties | Valid until
Effective_From_Date	datetime	The information in the row is valid as of this date
Effective_Until_Date	datetime	The information in the row is valid until this date
Active_Flag	nvarchar	Legacy column. Dummy value equal to 'Y' for backwards compatibility reasons.

6.1.7 View DIM_US_Employee

Column	Data Type	Description
Employee_Key	numeric	ID for employee
Name_Employee	nvarchar	Name of employee. OWS Client path: Employee | Employee management | Employee data | Name
Employee_Number	nvarchar	Employee number of employee. The value before slash "/" character. OWS Client path: Employee | Employee management | Employee data | Employee number before /
Contract_Number	nvarchar	Contract number of employee. The value after slash "/" character. OWS Client path: Employee | Employee management | Employee data | Employee number after /
Social_Secutity_Number	nvarchar	Social security number of employee. OWS Client path: Employee | Employee management | Employee data | Social Security Number. Not used in latest versions of OWS due to data security reasons.
Date_Of_Birth_Key	numeric	Date of birth of employee. OWS Client path: Employee | Employee management | Employee data | Date of birth
Gender	nvarchar	Gender of employee. OWS Client path: Employee | Employee management | Employee data | Gender. Possible values are: M, F, EMPTY.
First_name	nvarchar	First name of employee. OWS Client path: Employee | Employee management | Employee data | First name
Initials	nvarchar	Initials of employee. OWS Client path: Employee | Employee management | Employee data | Initials
Prefix	nvarchar	Prefix of employee. OWS Client path: Employee | Employee management | Employee data | Prefix
Display_Name	nvarchar	Display name of employee. [Last name, Initials Prefix]
Effective_From_Date	datetime	The information in the row is valid as of this date. Fixed value of '1900-01-01 00:00:00.000' since there is no begin date of an employee in OWS Client.
Effective_Until_Date	datetime	End date of contract for employee. OWS Client path: Employee | Employee management | Employee data | End date contract
Active_Flag	nvarchar	Legacy column. Dummy value equal to 'Y' for backwards compatibility reasons.

6.1.8 View DIM_US_Employment_Term_Group

Column	Data Type	Description
Employment_Term_Group_Key	numeric	ID for employment term group
Name_Employment_Term_Group	nvarchar	Name of employment term group. OWS Client path: Maintenance | Employment conditions | Employment conditions group | Name
Code_Employment_Term_Group	nvarchar	Code of employment term group. OWS Client path: Maintenance | Employment conditions | Employment conditions group | Code
Description	nvarchar	Description of employment term group. OWS Client path: Maintenance | Employment conditions | Employment conditions group | Description
Default_Employment_Term_Group	nvarchar	Default employment term group for employee if none selected. OWS Client path: Maintenance | Employment conditions | Employment conditions group | Use as default

6.1.9 View DIM_US_Location

Column	Data Type	Description
Location_Key	numeric	ID for locations
Name_Location	nvarchar	Name of location. OWS Client path: Maintenance | Locations and workstations | Locations | Name
Remarks	nvarchar	Remark of location. OWS Client path: Maintenance | Locations and workstations | Properties | Remarks
Code	nvarchar	Code of location. OWS Client path: Maintenance | Locations and workstations | Properties | Code
Contract_Number	nvarchar	Contract number of location. OWS Client path: Maintenance | Locations and workstations | Properties | Contract Number
Customer_Name	nvarchar	Customer name of location. OWS Client path: Maintenance | Locations and workstations | Properties | Customer name
Street	nvarchar	Street of location. OWS Client path: Maintenance | Locations and workstations | Properties | Street
House_Number	nvarchar	House number of location. OWS Client path: Maintenance | Locations and workstations | Properties | House number
House_Number_Extension	nvarchar	House number extension of location. OWS Client path: Maintenance | Locations and workstations | Properties | House number extension
Zip_Code	nvarchar	Zip code of location. OWS Client path: Maintenance | Locations and workstations | Properties | Zip code
City	nvarchar	City of location. OWS Client path: Maintenance | Locations and workstations | Properties | City
State	nvarchar	State of location. OWS Client path: Maintenance | Locations and workstations | Properties | State
Country	nvarchar	Country of location. OWS Client path: Maintenance | Locations and workstations | Properties | Country

Telephone_Number_1	nvarchar	Telephone number 1 of location. OWS Client path: Maintenance | Locations and workstations | Properties | Phone number
Telephone_Number_2	nvarchar	Telephone number 2 of location. OWS Client path: Maintenance | Locations and workstations | Properties | Telephone 2
Telephone_Number_3	nvarchar	Telephone number 3 of location. OWS Client path: Maintenance | Locations and workstations | Properties | Telephone 3
EMail	nvarchar	Email of location. OWS Client path: Maintenance | Locations and workstations | Properties | E-mail
Effective_From_Date	datetime	The information in the row is valid as of this date. Fixed value of '1899-12-30 00:00:00.000'. These records are always valid.
Effective_Until_Date	datetime	The information in the row is valid until this date. Fixed value of '2447-07-30 00:00:00.000'. These records are always valid.
Active_Flag	nvarchar	Legacy column. Dummy value equal to 'Y' for backwards compatibility reasons.

6.1.10 View DIM_US_Position

Column	Data Type	Description
Position_Key	numeric	ID for position
Name_Position	nvarchar	Name of position. OWS Client path: Maintenance | Organization | Positions | Name
Code	nvarchar	Code of position. OWS Client path: Maintenance | Organization | Positions | Code
Description	nvarchar	Description of position. OWS Client path: Maintenance | Organization | Positions | Description
Effective_From_Date	datetime	The information in the row is valid as of this date. Fixed value of '1899-12-30 00:00:00.000'. These records are always valid.
Effective_Until_Date	datetime	The information in the row is valid until this date. Fixed value of '2447-07-30 00:00:00.000'. These records are always valid.
Active_Flag	nvarchar	Legacy column. Dummy value equal to 'Y' for backwards compatibility reasons.

6.1.11 View DIM_US_Rotation_Unit

Column	Data Type	Description
Rotation_Unit_Key	numeric	ID for rotation untit
Name_Rotation_Unit	nvarchar	Name of rotation unit
Code_Rotation_Unit	nvarchar	Code of rotation unit
Description	nvarchar	Description of rotation unit
Department_Key	numeric	ID for department of rotation unit

6.1.12 View DIM_US_Time

Column	Data Type	Description
Time_Key	numeric	ID for time



Full_Time	datetime	Full time [Example: 1900-01-01 19:29:00.000]
Hour24	int	Hour of time based on 24 hours [Example 19]
Hour12	int	Hour of time based on 12 hours [Example 7]
Time12	varchar	Time based on 12 hours [Example 07:29PM]
AM_PM	varchar	AM or PM
Minutes	int	Minutes of hour
Part_Of_Day	varchar	Indicates whether time is during, morning, afternoon, evening or night
Hour_Interval	varchar	Indiactes the hour interval of time [Example 19:00-19:59]
Fifteen_Minute_Interval	varchar	Indicates the 15 minute interval of time [Example 19:15-19:29]

6.1.13 View DIM_US_Skill

Column	Data Type	Description
Skill_Key	numeric	ID for skill
Name_Skill	nvarchar	Name of skill
Code_Skill	nvarchar	Code of skill
Description	nvarchar	Description of skill
Department_Key	numeric	ID for department of skill
Minimum_Level	numeric	Minimum skill level
Maximum_Level	numeric	Maximum skill level
Main_Skill	nvarchar	Indication of main skill

6.1.14 View DIM_US_Sort_Category

Column	Data Type	Description
Sort_Category_Key	numeric	ID for sort category
Name_Sort_Category	nvarchar	Name of sort category. OWS Client path: Organisation | [Department] | Sort categories | Name
Code_Sort_Category	nvarchar	Code of sort category. OWS Client path: Organisation | [Department] | Sort categories | Code
Description	nvarchar	Description of sort category. OWS Client path: Organisation | [Department] | Sort categories | Description
Department_Key	numeric	ID for department of sort category
Sort_Category_Key	numeric	ID for sort category

6.1.15 View DIM_US_Workstation

Column	Data Type	Description
Workstation_Key	numeric	ID for workstation
Name_Workstation	nvarchar	Name of workstation. OWS Client path: Maintenance | Locations and workstations | Workstations | Name

Description	nvarchar	Description of workstation. OWS Client path: Maintenance | Locations and workstations | Workstations | Description
Code	nvarchar	Code of workstation. OWS Client path: Maintenance | Locations and workstations | Workstations | Code
Start_Date_Key	numeric	ID for start date. OWS Client path: Maintenance | Locations and workstations | Workstations | Valid from
End_Date_Key	numeric	ID for end date. OWS Client path: Maintenance | Locations and workstations | Workstations | Valid until
Effective_From_Date	datetime	The information in the row is valid as of this date.
Effective_Until_Date	datetime	The information in the row is valid until this date.
Active_Flag	nvarchar	Legacy column. Dummy value equal to 'Y' for backwards compatibility reasons.

6.1.16 View DIM_US_User

Column	Data Type	Description
User_Key	numeric	ID for user
Name	nvarchar	Name of user.
Full_Name	nvarchar	Full name of user.
Description	nvarchar	Description of user.
Account_Enabled	numeric	Whether or not a user is enabled.

6.1.17 View DIM_US_User_Group

Column	Data Type	Description
User_Group_Key	numeric	ID for user group
Name	nvarchar	Name of user group.
Description	nvarchar	Description of user group.
Department_Key	numeric	ID for department key that a user group can be assigned to.

6.1.18 View DIM_US_DUTYSET

This view is only available if the setting *EnableDutySetDutiesAndDutyDemand* is set to True. Contact your ORTEC representative to enable this.

Column	Data Type	Description
Dutyset_Key	numeric	ID for dutyset
Department_Key	nvarchar	ID for department of dutyset
Name_DutySet	nvarchar	Name of dutyset

6.1.19 View DIM_US_DEMANDSET

This view is only available if the setting *EnableDutySetDutiesAndDutyDemand* is set to True. Contact your ORTEC representative to enable this.

Column	Data Type	Description
Demandset_Key	numeric	ID for demandset
Dutyset_Key	numeric	ID for dutyset of demandset
Name_Demandset	nvarchar	Name of demandset

6.1.20 View DIM_US_Costcenter_Property

Column	Data Type	Description
Property_Key	Numeric	Property ID
Name	Nvarchar	Name of property
Data_Type	Nvarcar	Data type of the property. Values can be: Text | Integer | Decimal | Date | Time | Boolean
Default_Value	Nvarchar	Default value of property
Short_name	Nvarchar	Short Name of the property
Date_Created	Datetime	Timestamp when the entity was added to the EDC

6.1.21 View DIM_US_Employee_Property

Column	Data Type	Description
Property_Key	numeric	Property ID
Department_Key	numeric	ID for department where employee property is defined
Name	nvarchar	Name of property
Data_Type	Nvarcar	Data type of the property. Values can be: Text | Integer | Decimal | Date | Time | Boolean
Default_Value	Nvarchar	Default value of property
Short_name	nvarchar	Short Name of the property
Date_Created	datetime	Timestamp when the entity was added to the EDC

6.1.22 View DIM_US_Department_Property

Column	Data Type	Description
Property_Key	Numeric	Property ID
Name	Nvarchar	Name of property
Data_Type	Nvarcar	Data type of the property. Values can be: Text | Integer | Decimal | Date | Time | Boolean

Default_Value	Nvarchar	Default value of property
Short_name	Nvarchar	Short Name of the property
Date_Created	Datetime	Timestamp when the entity was added to the EDC

6.1.23 View DIM_US_Location_Property

Column	Data Type	Description
Property_Key	Numeric	Property ID
Name	Nvarchar	Name of property
Data_Type	Nvarcar	Data type of the property. Values can be: Text | Integer | Decimal | Date | Time | Boolean
Default_Value	Nvarchar	Default value of property
Short_name	Nvarchar	Short Name of the property
Date_Created	Datetime	Timestamp when the entity was added to the EDC

6.1.24 View DIM_US_Duty_Property

Column	Data Type	Description
Property_Key	numeric	Property ID
Department_Key	numeric	ID for department where duty property is defined
Name	nvarchar	Name of property
Data_Type	Nvarcar	Data type of the property. Values can be: Text | Integer | Decimal | Date | Time | Boolean
Default_Value	Nvarchar	Default value of property
Short_name	nvarchar	Short Name of the property
Date_Created	datetime	Timestamp when the entity was added to the EDC

6.1.25 View FACT_US_Account_Entry

Column	Data Type	Description
Employee_Key	numeric	ID for employee. OWS Client account view: Accounts | [Account name]
Date_Key	numeric	ID for date. OWS Client account view: Accounts | [Account name]
Account_Category_Key	numeric	ID for account category. OWS Client account view: Accounts | [Account name]
Department_Key	numeric	ID for department of the account entry.
Employee_Department_Key	numeric	ID for department of the employee.
Employee_From_Other_Department_Flag	nvarchar	Indicates whether the employee is from another department (lended).
Shift_Id	numeric	ID for shift

Shift_Name	nvarchar	Name of a shift (in case a shift is available for the entry). OWS Client account view: Accounts | [Account name]
Value	float	Value. OWS Client account view: Accounts | [Account name]
Cost_Center_Key	numeric	ID for cost center. OWS Client account view: Accounts | [Account name]
Workstation_Key	numeric	ID for Workstation, if the account entry has a reference to a workstation. Otherwise, -1.
Activity_Type_Key	numeric	ID for Activity Type, if the account entry has a reference to an activity type. Otherwise, -1.

6.1.26 View FACT_US_Assigned_Activity

Column	Data Type	Description
Employee_Key	numeric	ID for employee
Date_Key	numeric	ID for start date of shift
Start_Date_Activity_Key	numeric	ID for start date of activity
End_Date_Activity_Key	numeric	ID for end date of activity
Start_Time_Key	numeric	ID for start time activity
End_Time_Key	numeric	ID for end time activity
Cost_Center_Key	numeric	ID for cost center
Department_Key	numeric	ID for department of the activity
Location_Key	numeric	ID for location
Workstation_Key	numeric	ID for workstation
Position_Key	numeric	ID for position
Activity_Type_Key	numeric	ID for activity type
Shift_Id	numeric	ID for shift
Description	nvarchar	Description of activity
Duration	int	Duration of activity in minutes
Working_Hours	int	Indicates the working hours applicable for the employees' contract. Usually these are the hours paid. Example: hours worked, paid leave and paid breaks. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, RESERVE, VACATION, VACATIONNL, REST, AMPLITUDE, EDUCATION, COMPLEAVE, OVERTIME, OVERTIMET, OVERTIMEM, ADV, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNLNR.
Labor_Time	int	Time that counts as working time according to the labor rules. This time includes for instance sick leave. Breaks, paid or unpaid, are not included. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, ILLNESSNW, RESERVE, VACATION, VACATIONNW, PRESENCE_LABOUR, AMPLITUDE, EDUCATION, SIDELINE, OVERTIME,

		OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNWNR, BREAKONCALL.
Rest_Labor_Law	int	Time that counts as rest time according to the labor rules. Leave (paid and unpaid) is also regarded as rest. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, CONSIGNAT, PRESENCE, PIKET, PAUSE, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, WORKSTANDBY, BREAKONCALL.
Rest_Time	int	Rest is the time during which an employee is not carrying out any work and is not present or available. Breaks don't count because an employee is present. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, VACATION, VACATIONNL, VACATIONNW, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, BREAKONCALL.
Time_At_Work	int	Time during which an employee is present at work. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, PRESENCE_LABOUR, PRESENCE, PAUSE, REST, AMPLITUDE, EDUCATION, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, BREAKONCALL.
Workstation_Time	int	Time during which an employee is present at a workstation. The time is expressed in minutes. All activity time if a workstation_key is linked.
Sick_Leave_Time	int	Time regarded as sick time (not visible in Workforce Scheduling Client). The time is expressed in minutes. Activities with one of the following activity classes are taken into account: ILLNESS, ILLNESSNL, ILLNESSNW, ILLNESSNR, ILLNESSNLNR, ILLNESSNWNR.
Overtime	int	Time regarded as overtime. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: OVERTIME, OVERTIMET, OVERTIMEM.
Leave_Time	int	Time regarded as leave. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, VACATION, VACATIONNL, VACATIONNW.
Break_Time	int	Time regarded as break. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: PAUSE. Also break time within activities are taken into account.
Standby_Time	int	Time regarded as available. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: CONSIGNAT, PRESENCE_LABOUR, PRESENCE, PIKET, ON_CALL, WORKSTANDBY, BREAKONCALL.
Schedule_Status	nvarchar	Status of the schedule in which the activity is assigned.

Shift_Status	nvarchar	Status of the shift where the activity is part of (Planned, Published, Closed, Approved, Processed).
Employee_From_Other_Department_Flag	nvarchar	Indicates whether the employee is from another department (lended). OWS Client account view: Accounts | [Account name]
Employee_Department_Key	numeric	ID for department of the employee assigned to work the activity. If Employee_From_Other_Department_Flag equals Y, then this ID will be different from the Department_Key.
Order_Type	nvarchar	The order type of an activity. Can have the following values: Fixed | Adhoc | Incidental

6.1.27 View FACT_US_Assigned_Shift

Column	Data Type	Description
Employee_Key	numeric	ID for employee
Start_Date_Key	numeric	ID for start date of a shift
End_Date_Key	numeric	ID for end date of a shift
Start_Time_Key	numeric	ID for start time of a shift
End_Time_Key	numeric	ID for end time of a shift
Department_Key	numeric	ID for department of the shift
Cost_Center_Key	numeric	ID for cost center
Position_Key	numeric	ID for position
Shift_Id	numeric	ID for shift
Shift_Code	nvarchar	Code of shift. OWS Client: the code is visible in hint text of shift
Name_Shift	nvarchar	Name of a shift
Duration	int	Duration of shift in minutes
Working_Hours	int	Indicates the working hours applicable for the employees' contract. Usually these are the hours paid. Example: hours worked, paid leave and paid breaks. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, RESERVE, VACATION, VACATIONNL, REST, AMPLITUDE, EDUCATION, COMPLEAVE, OVERTIME, OVERTIMET, OVERTIMEM, ADV, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNLNR.
Labor_Time	int	Time that counts as working time according to the labor rules. This time includes for instance sick leave. Breaks, paid or unpaid, are not included. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, ILLNESSNW, RESERVE, VACATION, VACATIONNW, PRESENCE_LABOUR, AMPLITUDE, EDUCATION, SIDELINE, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNWNR, BREAKONCALL.
Rest_Labor_Law	int	Time that counts as rest time according to the labor rules. Leave (paid and unpaid) is also regarded as rest. The time is expressed in minutes. Activities with one of the following activity classes are taken into account:

		LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, CONSIGNAT, PRESENCE, PIKET, PAUSE, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, WORKSTANDBY, BREAKONCALL.
Rest_Time	int	Rest is the time during which an employee is not carrying out any work and is not present or available. Breaks don't count because an employee is present. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, VACATION, VACATIONNL, VACATIONNW, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, BREAKONCALL.
Time_At_Work	int	Time during which an employee is present at work. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, PRESENCE_LABOUR, PRESENCE, PAUSE, REST, AMPLITUDE, EDUCATION, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, BREAKONCALL.
Workstation_Time	int	Time during which an employee is present at a workstation. The time is expressed in minutes. All activity time if a workstation_key is linked.
Sick_Leave_Time	int	Time regarded as sick time (not visible in Workforce Scheduling Client). The time is expressed in minutes. Activities with one of the following activity classes are taken into account: ILLNESS, ILLNESSNL, ILLNESSNW, ILLNESSNR, ILLNESSNLNR, ILLNESSNWNR.
Overtime	int	Time regarded as overtime. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: OVERTIME, OVERTIMET, OVERTIMEM.
Leave_Time	int	Time regarded as leave. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, VACATION, VACATIONNL, VACATIONNW.
Break_Time	int	Time regarded as break. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: PAUSE. Also break time within activities are taken into account.
Standby_Time	int	Time regarded as available. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: CONSIGNAT, PRESENCE_LABOUR, PRESENCE, PIKET, ON_CALL, WORKSTANDBY, BREAKONCALL.
Value	float	1 (used to count shifts)
Schedule_Status	nvarchar	Status of the schedule in which the shift is assigned.
Shift_Status	nvarchar	Status of the shift where the activity is part of (Planned, Published, Closed, Approved, Processed).
Employee_From_Other_Department_Flag	nvarchar	Indicates whether the employee is from another department (lended). OWS Client account view: Accounts | [Account name]
Employee_Department_Key	numeric	ID for department of the employee assigned to work the activity. If Employee_From_Other_Department_Flag equals Y, then this ID will be different from the Department_Key.

Description	nvarchar	Description of the shift, found on tab 'Description' of the shift in ORTEC WS
Remark	nvarchar	Remark as set as Shift Remark in the right mouse menu in the planboard
InstructorShift_IND	nvarchar	Indicator (Y or N) whether a shift is an instructor shift
StudentShift_IND	nvarchar	Indicator (Y or N) whether a shift is a student shift
Instructor_Shift_ID	numeric	In case a shift is a student shift, a reference to the corresponding instructor shift. Otherwise, -1.
Duty_Type	nvarchar	Duty type of the shift, found on tab 'Description' of the shift in ORTEC WS
Code	nvarchar	Code, found on tab 'Description' of the shift in ORTEC WS

6.1.28 View FACT_US_Budget_Line

Column	Data Type	Description
Date_Key	numeric	ID for date
Account_Category_Key	numeric	ID for account category
Department_Key	numeric	ID for department of the account entry
Value	float	Value
Cost_Center_Key	numeric	ID for cost center

6.1.29 View FACT_US_Cyclical_Activity

Column	Data Type	Description
Employee_Key	numeric	ID for employee
Date_Key	numeric	ID for start date of shift
Start_Date_Activity_Key	numeric	ID for start date of activity
End_Date_Activity_Key	numeric	ID for end date of activity
Start_Time_Key	numeric	ID for start time of activity
End_Time_Key	numeric	ID for end time of activity
Cost_Center_Key	numeric	ID for cost center
Department_Key	numeric	ID for department
Location_Key	numeric	ID for location
Workstation_Key	numeric	ID for workstation
Position_Key	numeric	ID for position
Activity_Type_Key	numeric	ID for activity type
Duty_Id	numeric	ID for duty
Description	nvarchar	Description of activity
Duration	int	Duration of activity in minutes
Working_Hours	int	Indicates the working hours applicable for the employees' contract. Usually these are the hours paid. Example: hours worked, paid leave and paid breaks. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, RESERVE, VACATION, VACATIONNL, REST, AMPLITUDE,

		EDUCATION, COMPLEAVE, OVERTIME, OVERTIMET, OVERTIMEM, ADV, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNLNR.
Labor_Time	int	Time that counts as working time according to the labor rules. This time includes for instance sick leave. Breaks, paid or unpaid, are not included. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, ILLNESSNW, RESERVE, VACATION, VACATIONNW, PRESENCE_LABOUR, AMPLITUDE, EDUCATION, SIDELINE, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNWNR, BREAKONCALL.
Rest_Labor_Law	int	Time that counts as rest time according to the labor rules. Leave (paid and unpaid) is also regarded as rest. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, CONSIGNAT, PRESENCE, PIKET, PAUSE, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, WORKSTANDBY, BREAKONCALL.
Rest_Time	int	Rest is the time during which an employee is not carrying out any work and is not present or available. Breaks don't count because an employee is present. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, VACATION, VACATIONNL, VACATIONNW, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, BREAKONCALL.
Time_At_Work	int	Time during which an employee is present at work. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, PRESENCE_LABOUR, PRESENCE, PAUSE, REST, AMPLITUDE, EDUCATION, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, BREAKONCALL.
Workstation_Time	int	Time during which an employee is present at a workstation. The time is expressed in minutes. All activity time if a workstation_key is linked.
Sick_Leave_Time	int	Time regarded as sick time (not visible in Workforce Scheduling Client). The time is expressed in minutes. Activities with one of the following activity classes are taken into account: ILLNESS, ILLNESSNL, ILLNESSNW, ILLNESSNR, ILLNESSNLNR, ILLNESSNWNR.
Overtime	int	Time regarded as overtime. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: OVERTIME, OVERTIMET, OVERTIMEM.
Leave_Time	int	Time regarded as leave. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, VACATION, VACATIONNL, VACATIONNW.
Break_Time	int	Time regarded as break. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: PAUSE. Also break time within activities are taken into account.

Standby_Time	int	Time regarded as available. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: CONSIGNAT, PRESENCE_LABOUR, PRESENCE, PIKET, ON_CALL, WORKSTANDBY, BREAKONCALL.

6.1.30 View FACT_US_Cyclical_Shift

Column	Data Type	Description
Employee_Key	numeric	ID for employee
Start_Date_Key	numeric	ID for start date of a shift
End_Date_Key	numeric	ID for end date of a shift
Start_Time_Key	numeric	ID for start time of a shift
End_Time_Key	numeric	ID for end time of a shift
Department_Key	numeric	ID for department
Cost_Center_Key	numeric	ID for cost center
Position_Key	numeric	ID for position
Duty_Id	numeric	ID for duty
Name_Shift	nvarchar	Name of a shift
Duration	int	Duration of shift in minutes
Working_Hours	int	Indicates the working hours applicable for the employees' contract. Usually these are the hours paid. Example: hours worked, paid leave and paid breaks. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, RESERVE, VACATION, VACATIONNL, REST, AMPLITUDE, EDUCATION, COMPLEAVE, OVERTIME, OVERTIMET, OVERTIMEM, ADV, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNLNR.
Labor_Time	int	Time that counts as working time according to the labor rules. This time includes for instance sick leave. Breaks, paid or unpaid, are not included. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, ILLNESSNW, RESERVE, VACATION, VACATIONNW, PRESENCE_LABOUR, AMPLITUDE, EDUCATION, SIDELINE, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNWNR, BREAKONCALL.
Rest_Labor_Law	int	Time that counts as rest time according to the labor rules. Leave (paid and unpaid) is also regarded as rest. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, CONSIGNAT, PRESENCE, PIKET, PAUSE, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, WORKSTANDBY, BREAKONCALL.
Rest_Time	int	Rest is the time during which an employee is not carrying out any work and is not present or available. Breaks don't count because an employee is present. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL,

		ILLNESSNW, VACATION, VACATIONNL, VACATIONNW, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, BREAKONCALL.
Time_At_Work	int	Time during which an employee is present at work. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, PRESENCE_LABOUR, PRESENCE, PAUSE, REST, AMPLITUDE, EDUCATION, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, BREAKONCALL.
Workstation_Time	int	Time during which an employee is present at a workstation. The time is expressed in minutes. All activity time if a workstation_key is linked.
Sick_Leave_Time	int	Time regarded as sick time (not visible in Workforce Scheduling Client). The time is expressed in minutes. Activities with one of the following activity classes are taken into account: ILLNESS, ILLNESSNL, ILLNESSNW, ILLNESSNR, ILLNESSNLNR, ILLNESSNWNR.
Overtime	int	Time regarded as overtime. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: OVERTIME, OVERTIMET, OVERTIMEM.
Leave_Time	int	Time regarded as leave. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, VACATION, VACATIONNL, VACATIONNW.
Break_Time	int	Time regarded as break. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: PAUSE. Also break time within activities are taken into account.
Standby_Time	int	Time regarded as available. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: CONSIGNAT, PRESENCE_LABOUR, PRESENCE, PIKET, ON_CALL, WORKSTANDBY, BREAKONCALL.
Value	float	1 (used to count shifts)

6.1.31 View FACT_US_Demand_Activity

Column	Data Type	Description
Date_Key	numeric	ID for start date of activity
Start_Time_Key	numeric	ID for start time of activity
End_Time_Key	numeric	ID for end time of activity
Cost_Center_Key	numeric	ID for cost center
Department_Key	numeric	ID for department
Location_Key	numeric	ID for location
Workstation_Key	numeric	ID for workstation
Position_Key	numeric	ID for position
Activity_Type_Key	numeric	ID for activity type
Shift_Id	numeric	ID for shift

Duration	int	Duration of activity in minutes
Working_Hours	int	Indicates the working hours applicable for the employees' contract. Usually these are the hours paid. Example: hours worked, paid leave and paid breaks. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, RESERVE, VACATION, VACATIONNL, REST, AMPLITUDE, EDUCATION, COMPLEAVE, OVERTIME, OVERTIMET, OVERTIMEM, ADV, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNLNR.
Labor_Time	int	Time that counts as working time according to the labor rules. This time includes for instance sick leave. Breaks, paid or unpaid, are not included. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, ILLNESSNW, RESERVE, VACATION, VACATIONNW, PRESENCE_LABOUR, AMPLITUDE, EDUCATION, SIDELINE, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNWNR, BREAKONCALL.
Rest_Labor_Law	int	Time that counts as rest time according to the labor rules. Leave (paid and unpaid) is also regarded as rest. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, CONSIGNAT, PRESENCE, PIKET, PAUSE, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, WORKSTANDBY, BREAKONCALL.
Rest_Time	int	Rest is the time during which an employee is not carrying out any work and is not present or available. Breaks don't count because an employee is present. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, VACATION, VACATIONNL, VACATIONNW, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, BREAKONCALL.
Time_At_Work	int	Time during which an employee is present at work. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, PRESENCE_LABOUR, PRESENCE, PAUSE, REST, AMPLITUDE, EDUCATION, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, BREAKONCALL.
Workstation_Time	int	Time during which an employee is present at a workstation. The time is expressed in minutes. All activity time if a workstation_key is linked.
Sick_Leave_Time	int	Time regarded as sick time (not visible in Workforce Scheduling Client). The time is expressed in minutes. Activities with one of the following activity classes are taken into account: ILLNESS, ILLNESSNL, ILLNESSNW, ILLNESSNR, ILLNESSNLNR, ILLNESSNWNR.
Overtime	int	Time regarded as overtime. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: OVERTIME, OVERTIMET, OVERTIMEM.

Leave_Time	int	Time regarded as leave. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, VACATION, VACATIONNL, VACATIONNW.
Break_Time	int	Time regarded as break. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: PAUSE. Also break time within activities are taken into account.
Standby_Time	int	Time regarded as available. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: CONSIGNAT, PRESENCE_LABOUR, PRESENCE, PIKET, ON_CALL, WORKSTANDBY, BREAKONCALL.
Number	float	Number of required employees.

6.1.32 View FACT_US_Demand_Shift

Column	Data Type	Description
Start_Date_Key	numeric	ID for start date of a shift
End_Date_Key	numeric	ID for end date of a shift
Start_Time_Key	numeric	ID for start time of a shift
End_Time_Key	numeric	ID for end time of a shift
Department_Key	numeric	ID for department
Cost_Center_Key	numeric	ID for cost center
Position_Key	numeric	ID for position
Name_Shift	nvarchar	Name of shift
Value	float	Number of required shifts (used to count shifts)
Duration	int	Duration of shift in minutes
Working_Hours	int	Indicates the working hours applicable for the employees' contract. Usually these are the hours paid. Example: hours worked, paid leave and paid breaks. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, RESERVE, VACATION, VACATIONNL, REST, AMPLITUDE, EDUCATION, COMPLEAVE, OVERTIME, OVERTIMET, OVERTIMEM, ADV, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNLNR.
Labor_Time	int	Time that counts as working time according to the labor rules. This time includes for instance sick leave. Breaks, paid or unpaid, are not included. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, ILLNESSNW, RESERVE, VACATION, VACATIONNW, PRESENCE_LABOUR, AMPLITUDE, EDUCATION, SIDELINE, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNWNR, BREAKONCALL.
Rest_Labor_Law	int	Time that counts as rest time according to the labor rules. Leave (paid and unpaid) is also regarded as rest. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, CONSIGNAT, PRESENCE, PIKET, PAUSE, DAYOFF,

		SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, WORKSTANDBY, BREAKONCALL.
Rest_Time	int	Rest is the time during which an employee is not carrying out any work and is not present or available. Breaks don't count because an employee is present. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, VACATION, VACATIONNL, VACATIONNW, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, BREAKONCALL.
Time_At_Work	int	Time during which an employee is present at work. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, PRESENCE_LABOUR, PRESENCE, PAUSE, REST, AMPLITUDE, EDUCATION, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, BREAKONCALL.
Workstation_Time	int	Time during which an employee is present at a workstation. The time is expressed in minutes. All activity time if a workstation_key is linked.
Sick_Leave_Time	int	Time regarded as sick time (not visible in Workforce Scheduling Client). The time is expressed in minutes. Activities with one of the following activity classes are taken into account: ILLNESS, ILLNESSNL, ILLNESSNW, ILLNESSNR, ILLNESSNLNR, ILLNESSNWNR.
Overtime	int	Time regarded as overtime. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: OVERTIME, OVERTIMET, OVERTIMEM.
Leave_Time	int	Time regarded as leave. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, VACATION, VACATIONNL, VACATIONNW.
Break_Time	int	Time regarded as break. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: PAUSE. Also break time within activities are taken into account.
Standby_Time	int	Time regarded as available. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: CONSIGNAT, PRESENCE_LABOUR, PRESENCE, PIKET, ON_CALL, WORKSTANDBY, BREAKONCALL.
Minimum_Value	numeric	Minimum number of required shifts
Maximum_Value	numeric	Maximum number of required shifts

6.1.33 View FACT_US_Department_Entry

Column	Data Type	Description
Date_Key	numeric	ID for date
Account_Category_Key	numeric	ID for account category
Department_Key	numeric	ID for department of the account entry
Department_Level_Flag	int	Indicates whether the entry is a department entry(without employee) or a total value for all employee values for this department
Value	float	Value

Cost_Center_Key	numeric	ID for cost center

6.1.34 View FACT_US_Employee_Availability

Column	Data Type	Description
Employee_Key	numeric	ID for employee
Date_Key	numeric	ID for date
Department_Key	numeric	ID for department
Working_Hours_Per_Week	float	Weekly hours for employee and department. OWS Client path: Employee | Employee management | Schedule data | Departments | Weekly hours
Working_Hours_Per_Day	float	Weekly hours divided by 7. Number of hours an employee has to work, assuming 7 working days per week. (Example: Assuming you have to work 35 hours a week, than 'Working_Hours_Per_Day' equals 35/7=5)
Working_Hours_Per_Week day	float	Weekly hours divided by 5. Number of hours anemployee has to work, assuming 5 working days per week. (Example: Assuming you have to work 35 hours a week, than 'Working_Hours_Per_Weekday' equals 35/5=7)

6.1.35 View FACT_US_Employee_Employment_Term_Group

Column	Data Type	Description
Employee_Key	numeric	ID for employee
Employment_Term_Key	numeric	ID for employment term group
Date_Key	numeric	ID for valid date of employment term group for employee. OWS Client path: Employee | Employee management | Employment conditions
Weekly_Hours	float	Weekly hours for employment conditions group of employee. OWS Client path: Employee | Employee management | Employment conditions | Weekly hours
Minimum_Weekly_Hours	float	Minimum weekly hours for employment conditions group of employee. OWS Client path: Employee | Employee management | Employment conditions | Minimum
Maximum_Weekly_Hours	float	Maximum weekly hours for employment conditions group of employee. OWS Client path: Employee | Employee management | Employment conditions | Maximum

6.1.36 View FACT_US_Employee_Position

Column	Data Type	Description
Employee_Key	numeric	ID for employee
Function_Key	numeric	ID for position
Date_Key	numeric	ID for valid date of position for employee. OWS Client path: Employee | Employee management | Positions

6.1.37 View FACT_US_Employee_Reassignment

Column	Data Type	Description
Employee_Key	numeric	ID for employee
Department_Key	numeric	ID for department
Date_Key	numeric	ID for date
Change_Date_Key	numeric	ID for date of change
Requested_Flag	nvarchar	Indicates whether the change is requested by an employee. The request has to be approved by a planner. If a planner makes changes, it is not requested.
Days_Before_Shift	int	Indicates the number of days between the date of the actual change and the start of the shift.
Value	float	1 (used to count reassignments)

6.1.38 View FACT_US_Employee_Request

Column	Data Type	Description
Employee_Key	numeric	ID for employment
Date_Key	numeric	ID for date
Request_Name	nvarchar	Name for request. OWS Client path: Employee | Requests | Request
Request_Type	nvarchar	Request type. OWS Client path: Employee | Requests | Type
Wish_Key	numeric	ID for wish. This ID is not visible in the OWS Client. Please note that this key is not necessarily unique: for a recurring wish, a record is shown in this view for every occurrence. However, the ID/ Wish_Key referencing to the request itself and will have multiple entries for this reason.
Wish_Creation_Date_Key	numeric	ID for date, referencing to the date that the request created
Wish_Approval_Date_Key	numeric	ID for date, referring to the date that the request had its last status change
Wish_Status	nvarchar	Request status. OWS Client path: Employee | Requests | Status Can hold the following values: Open | Approved | ConceptApproved | Declined
Required_Flag	nvarchar	Indicates whether the request is required or not. OWS Client path: Employee | Requests | Option Required
Approved_Flag	nvarchar	Indicates whether the request is approved or not.
Value	float	1 (used to count requests)

6.1.39 View FACT_US_Employee_Rotation_Unit

Column	Data Type	Description
Employee_Key	numeric	ID for employee
Rotation_Unit_Key	numeric	ID for rotation untit of employee
Date_Key	numeric	ID for valid date of rotation unit for employee. OWS Client path: Employee | Employee management | Schedule data | Departments

Team	nvarchar	Name of team of rotation unit for employee. OWS Client path: Employee | Employee management | Schedule data | Departments

6.1.40 View FACT_US_Employee_Sick_Leave

Column	Data Type	Description
Employee_Key	numeric	ID for employee
Date_Key	numeric	ID for date. A separate record is created for every day that the employee is sick. OWS Client path: Overview | Overview sick leave
Sick_Leave_Start_Time_Key	numeric	ID for the start time. Only relevant on the first day of illness. OWS Client path: Overview | Overview sick leave | Sick-leave from time
Sick_Leave_End_Time_Key	numeric	ID for the end time. Only relevant on the last day of illness. OWS Client path: Overview | Overview sick leave | Recovered from time
Percentage_Work_Therapy	float	Percentage work therapy. OWS Client path: Overview | Overview sick leave | Work therapy/ Limited work proposal
Percentage_Limited_Work	float	Percentage limited work. OWS Client path: Overview | Overview sick leave | Work therapy/ Limited work proposal
Value	float	1 (used to count sick days)
Description	nvarchar	Description of sick leave. OWS Client path: Overview | Overview sick leave | Description. Only shown if setting LoadIllnessDescriptionAndIllnessType is enabled.
Illness_Kind	nvarchar	Type of sick leave. OWS Client path: Maintenance | Illness definitions | Illness type | Name. Only shown if setting LoadIllnessDescriptionAndIllnessType is enabled.
Illness_Code	nvarchar	Code if illness

6.1.41 View FACT_US_Employee_Skill

Column	Data Type	Description
Employee_Key	numeric	ID for employee
Department_Key	numeric	ID for department of skill
Skill_Key	numeric	ID for skill of employee
Date_Key	numeric	ID for valid date of skill for employee. OWS Client path: Employee | Employee management | Skills
Level	numeric	ID for level of skill. OWS Client path: Employee | Employee management | Skills | Level
Location_Key	numeric	ID for location of skill. OWS Client path: Employee | Employee management | Skills | Location
Workstation_Key	numeric	ID for workstation of skill. OWS Client path: Employee | Employee management | Skills | Workstation

Certificate	nvarchar	Certificate of skill. OWS Client path: Employee | Employee management | Skills | Certificate

6.1.42 View FACT_US_Employee_Sort_Category

Column	Data Type	Description
Employee_Key	numeric	ID for employee
Sort_Category_Key	numeric	ID for sort category of employee
Date_Key	numeric	ID for valid date of sort category for employee. OWS Client path: Employee | Employee management | Schedule data | Sort categories

6.1.43 View FACT_US_Employee_Violation

Column	Data Type	Description
Employee_Key	numeric	ID for employee
Date_Key	numeric	ID for date
Department_Key	numeric	ID for department
Violation_Type	nvarchar	Type of violation. OWS Client path: Maintenance | Employment conditions | Violation types | Name violation type
Rule_Name	nvarchar	Name of violation rule.
Value	float	1 (used to count violations)
Shift_Key	numeric	ID of the shift, in case the violation refers directly to a shift. Otherwise, -1.

6.1.44 View FACT_US_Published_Activity

Column	Data Type	Description
Employee_Key	numeric	ID for employee
Date_Key	numeric	ID for start date of shift
Start_Date_Activity_Key	numeric	ID for start date of activity
End_Date_Activity_Key	numeric	ID for end date of activity
Start_Time_Key	numeric	ID for start time of activity
End_Time_Key	numeric	ID for end time of activity
Cost_Center_Key	numeric	ID for cost center
Department_Key	numeric	ID for department
Location_Key	numeric	ID for location
Workstation_Key	numeric	ID for workstation
Position_Key	numeric	ID for position
Activity_Type_Key	numeric	ID for activity type
Shift_Id	numeric	ID for shift

Description	nvarchar	Description of activity
Duration	int	Duration of activity in minutes
Working_Hours	int	Indicates the working hours applicable for the employees' contract. Usually these are the hours paid. Example: hours worked, paid leave and paid breaks. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, RESERVE, VACATION, VACATIONNL, REST, AMPLITUDE, EDUCATION, COMPLEAVE, OVERTIME, OVERTIMET, OVERTIMEM, ADV, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNLNR.
Labor_Time	int	Time that counts as working time according to the labor rules. This time includes for instance sick leave. Breaks, paid or unpaid, are not included. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, ILLNESSNW, RESERVE, VACATION, VACATIONNW, PRESENCE_LABOUR, AMPLITUDE, EDUCATION, SIDELINE, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNWNR, BREAKONCALL.
Rest_Labor_Law	int	Time that counts as rest time according to the labor rules. Leave (paid and unpaid) is also regarded as rest. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, CONSIGNAT, PRESENCE, PIKET, PAUSE, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, WORKSTANDBY, BREAKONCALL.
Rest_Time	int	Rest is the time during which an employee is not carrying out any work and is not present or available. Breaks don't count because an employee is present. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, VACATION, VACATIONNL, VACATIONNW, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, BREAKONCALL.
Time_At_Work	int	Time during which an employee is present at work. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, PRESENCE_LABOUR, PRESENCE, PAUSE, REST, AMPLITUDE, EDUCATION, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, BREAKONCALL.
Workstation_Time	int	Time during which an employee is present at a workstation. The time is expressed in minutes. All activity time if a workstation_key is linked.
Sick_Leave_Time	int	Time regarded as sick time (not visible in Workforce Scheduling Client). The time is expressed in minutes. Activities with one of the following activity classes are taken into account: ILLNESS, ILLNESSNL, ILLNESSNW, ILLNESSNR, ILLNESSNLNR, ILLNESSNWNR.
Overtime	int	Time regarded as overtime. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: OVERTIME, OVERTIMET, OVERTIMEM.

Leave_Time	int	Time regarded as leave. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, VACATION, VACATIONNL, VACATIONNW.
Break_Time	int	Time regarded as break. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: PAUSE. Also break time within activities are taken into account.
Standby_Time	int	Time regarded as available. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: CONSIGNAT, PRESENCE_LABOUR, PRESENCE, PIKET, ON_CALL, WORKSTANDBY, BREAKONCALL.
Schedule_Status	nvarchar	Status of the schedule in which the activity is assigned.
Order_Type	nvarchar	The order type of an activity. Can have the following values: Fixed | Adhoc | Incidental

6.1.45 View FACT_US_Published_Shift

Column	Data Type	Description
Employee_Key	numeric	ID for employee
Start_Date_Key	numeric	ID for start date of a shift
End_Date_Key	numeric	ID for end date of a shift
Start_Time_Key	numeric	ID for start time of a shift
End_Time_Key	numeric	ID for end time of a shift
Department_Key	numeric	ID for department
Cost_Center_Key	numeric	ID for cost center
Position_Key	numeric	ID for position
Shift_Id	numeric	ID for shift
Shift_Code	nvarchar	Code of shift. OWS Client: the code is visible in hint text of shift
Name_Shift	nvarchar	Name of a shift
Duration	int	Duration of shift in minutes
Working_Hours	int	Indicates the working hours applicable for the employees' contract. Usually these are the hours paid. Example: hours worked, paid leave and paid breaks. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, RESERVE, VACATION, VACATIONNL, REST, AMPLITUDE, EDUCATION, COMPLEAVE, OVERTIME, OVERTIMET, OVERTIMEM, ADV, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNLNR.
Labor_Time	int	Time that counts as working time according to the labor rules. This time includes for instance sick leave. Breaks, paid or unpaid, are not included. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, ILLNESSNW, RESERVE, VACATION, VACATIONNW, PRESENCE_LABOUR, AMPLITUDE, EDUCATION, SIDELINE, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNWNR, BREAKONCALL.

Rest_Labor_Law	int	Time that counts as rest time according to the labor rules. Leave (paid and unpaid) is also regarded as rest. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, CONSIGNAT, PRESENCE, PIKET, PAUSE, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, WORKSTANDBY, BREAKONCALL.
Rest_Time	int	Rest is the time during which an employee is not carrying out any work and is not present or available. Breaks don't count because an employee is present. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, VACATION, VACATIONNL, VACATIONNW, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, BREAKONCALL.
Time_At_Work	int	Time during which an employee is present at work. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, PRESENCE_LABOUR, PRESENCE, PAUSE, REST, AMPLITUDE, EDUCATION, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, BREAKONCALL.
Workstation_Time	int	Time during which an employee is present at a workstation. The time is expressed in minutes. All activity time if a workstation_key is linked.
Sick_Leave_Time	int	Time regarded as sick time (not visible in Workforce Scheduling Client). The time is expressed in minutes. Activities with one of the following activity classes are taken into account: ILLNESS, ILLNESSNL, ILLNESSNW, ILLNESSNR, ILLNESSNLNR, ILLNESSNWNR.
Overtime	int	Time regarded as overtime. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: OVERTIME, OVERTIMET, OVERTIMEM.
Leave_Time	int	Time regarded as leave. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, VACATION, VACATIONNL, VACATIONNW.
Break_Time	int	Time regarded as break. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: PAUSE. Also break time within activities are taken into account.
Standby_Time	int	Time regarded as available. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: CONSIGNAT, PRESENCE_LABOUR, PRESENCE, PIKET, ON_CALL, WORKSTANDBY, BREAKONCALL.
Value	float	1 (used to count shifts)
Schedule_Status	nvarchar	Status of the schedule in which the shift is assigned.
Description	nvarchar	Description of the shift, found on tab 'Description' of the shift in ORTEC WS
Remark	nvarchar	Remark as set as Shift Remark in the right mouse menu in the planboard
InstructorShift_IND	nvarchar	Indicator (Y or N) whether a shift is an instructor shift
StudentShift_IND	nvarchar	Indicator (Y or N) whether a shift is a student shift
Instructor_Shift_ID	numeric	In case a shift is a student shift, a reference to the corresponding instructor shift. Otherwise -1.

Duty_Type	nvarchar	Duty type of the shift, found on tab 'Description' of the shift in ORTEC WS
Code	nvarchar	Code, found on tab 'Description' of the shift in ORTEC WS

6.1.46 View FACT_US_Schedule_Status

Column	Data Type	Description
Department_Key	numeric	ID for department
Date_Key	numeric	ID for date
Published_Until_Date_Key	numeric	ID for the until date upon which the schedules have the status published
Closed_Until_Date_Key	numeric	ID for the until date upon which the schedules have the status closed
Approved_Until_Date_Key	numeric	ID for the until date upon which the schedules have the status approved
Processed_Until_Date_Key	numeric	ID for the until date upon which the schedules have the status processed

6.1.47 View FACT_US_Shift_Skill

Column	Data Type	Description
Skill_Key	numeric	ID for skill
Shift_Id	numeric	ID for shift
Level	numeric	ID for level of skill
Source_Shift_Flag	nvarchar	Flag to indicate if the source of the skill requirement is directly assigned to the shift or is derived from another source like a workstation or activity type
Location_Key	numeric	ID for location
Workstation_Key	numeric	ID for workstation
Activity_Type_Key	numeric	ID for activity type
Function_Key	numeric	ID for position
Department_Key	numeric	ID for department
Skill_Key	numeric	ID for skill

6.1.48 View FACT_US_Shiftbidding_Log

Column	Data Type	Description
Shift_ID	numeric	ID for shift
Department_Key	numeric	ID for department
Employee_Key	numeric	ID for employee
Event_Type	varchar	Type of shift bidding event (AssignedToEmployeeWithoutRequest, OpenedForBidding, WithdrawnFromBidding, ...)
Source_Application	varchar	Application from which the logging event resulted (Harmony, ...). Note, Harmony is the old name of ORTEC WS.
Username	varchar	Name of user that performed the action

Date_Key	numeric	ID for date of logging
Time_Key	numeric	ID for time of logging
Log_DateTime	datetime	Datetime of logging

The event 'ApplyForShift' refers to dutywishes that have been created during the shiftbidding process. For an employee who bids on a shift, the application will create a duty wish. The duty wish does not have an exact reference to the shift , a match is done on the name of the duty.
This means that in case of a shift referring to a certain duty that is used with the same duty name for other shifts, records can be shown in the Shiftbidding_Log view that seem to be duplicates.

Example:
There are two duties with the name A for a certain department. For both duties, a shift is opened for bidding and an employee bids on the shift. In ORTEC WS for Planners, duty wish is created for duty A. This is also shown for this employee in the application. In the FACT_US_Shiftbidding_Log , two entries are created, for both shifts having the name A.

6.1.49 View FACT_US_Vacant_Activity

Column	Data Type	Description
Date_Key	numeric	ID for start date of shift
Start_Date_Activity_Key	numeric	ID for start date of activity
End_Date_Activity_Key	numeric	ID for end date of activity
Start_Time_Key	numeric	ID for start time of activity
End_Time_Key	numeric	ID end time of activity
Cost_Center_Key	numeric	ID for cost center
Department_Key	numeric	ID for department
Loaction_Key	numeric	ID for location
Workstation_Key	numeric	ID for workstation
Position_Key	numeric	ID for position
Activity_Type_Key	numeric	ID for activity type
Shift_Id	numeric	ID for shift
Description	nvarchar	Description of activity
Duration	int	Duration of activity in minutes
Working_Hours	int	Indicates the working hours applicable for the employees' contract. Usually these are the hours paid. Example: hours worked, paid leave and paid breaks. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, RESERVE, VACATION, VACATIONNL, REST, AMPLITUDE, EDUCATION, COMPLEAVE, OVERTIME, OVERTIMET, OVERTIMEM, ADV, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNLNR.
Labor_Time	int	Time that counts as working time according to the labor rules. This time includes for instance sick leave. Breaks, paid or unpaid, are not included.

		The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, ILLNESSNW, RESERVE, VACATION, VACATIONNW, PRESENCE_LABOUR, AMPLITUDE, EDUCATION, SIDELINE, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNWNR, BREAKONCALL.
Rest_Labor_Law	int	Time that counts as rest time according to the labor rules. Leave (paid and unpaid) is also regarded as rest. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, CONSIGNAT, PRESENCE, PIKET, PAUSE, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, WORKSTANDBY, BREAKONCALL.
Rest_Time	int	Rest is the time during which an employee is not carrying out any work and is not present or available. Breaks don't count because an employee is present. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, VACATION, VACATIONNL, VACATIONNW, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, BREAKONCALL.
Time_At_Work	int	Time during which an employee is present at work. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, PRESENCE_LABOUR, PRESENCE, PAUSE, REST, AMPLITUDE, EDUCATION, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, BREAKONCALL.
Workstation_Time	int	Time during which an employee is present at a workstation. The time is expressed in minutes. All activity time if a workstation_key is linked.
Sick_Leave_Time	int	Time regarded as sick time (not visible in Workforce Scheduling Client). The time is expressed in minutes. Activities with one of the following activity classes are taken into account: ILLNESS, ILLNESSNL, ILLNESSNW, ILLNESSNR, ILLNESSNLNR, ILLNESSNWNR.
Overtime	int	Time regarded as overtime. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: OVERTIME, OVERTIMET, OVERTIMEM.
Leave_Time	int	Time regarded as leave. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, VACATION, VACATIONNL, VACATIONNW.
Break_Time	int	Time regarded as break. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: PAUSE. Also break time within activities are taken into account.
Standby_Time	int	Time regarded as available. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: CONSIGNAT, PRESENCE_LABOUR, PRESENCE, PIKET, ON_CALL, WORKSTANDBY, BREAKONCALL.
Schedule_Status	nvarchar	Status of the schedule in which the activity is assigned.

Order_Type	nvarchar	The order type of an activity. Can have the following values: Fixed | Adhoc | Incidental

6.1.50 View FACT_US_Vacant_Shift

Column	Data Type	Description
Start_Date_Key	numeric	ID for start date of a shift
End_Date_Key	numeric	ID for end date of a shift
Start_Time_Key	numeric	ID for start time of a shift
End_Time_Key	numeric	ID for end time of a shift
Department_Key	numeric	ID for department
Cost_Center_Key	numeric	ID for cost center
Position_Key	numeric	ID for position
Shift_Id	numeric	ID for shift
Shift_Code	nvarchar	Code of shift. OWS Client: the code is visible in hint text of shift
Name_Shift	nvarchar	Name of a shift
Duration	int	Duration of shift in minutes
Working_Time	int	Indicates the working hours applicable for the employees' contract. Usually these are the hours paid. Example: hours worked, paid leave and paid breaks. The time is expressed in minutes.
Labor_Time	int	Time that counts as working time according to the labor rules. This time includes for instance sick leave. Breaks, paid or unpaid, are not included. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, ILLNESSNW, RESERVE, VACATION, VACATIONNW, PRESENCE_LABOUR, AMPLITUDE, EDUCATION, SIDELINE, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNWNR, BREAKONCALL.
Rest_Labor_Law	int	Time that counts as rest time according to the labor rules. Leave (paid and unpaid) is also regarded as rest. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, CONSIGNAT, PRESENCE, PIKET, PAUSE, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, WORKSTANDBY, BREAKONCALL.
Rest_Time	int	Rest is the time during which an employee is not carrying out any work and is not present or available. Breaks don't count because an employee is present. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, VACATION, VACATIONNL, VACATIONNW, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, BREAKONCALL.
Time_At_Work	int	Time during which an employee is present at work. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, PRESENCE_LABOUR, PRESENCE, PAUSE,

		REST, AMPLITUDE, EDUCATION, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, BREAKONCALL.
Workstation_Time	int	Time during which an employee is present at a workstation. The time is expressed in minutes. All activity time if a workstation_key is linked.
Sick_Leave_Time	int	Time regarded as sick time (not visible in Workforce Scheduling Client). The time is expressed in minutes. Activities with one of the following activity classes are taken into account: ILLNESS, ILLNESSNL, ILLNESSNW, ILLNESSNR, ILLNESSNLNR, ILLNESSNWNR.
Overtime	int	Time regarded as overtime. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: OVERTIME, OVERTIMET, OVERTIMEM.
Leave_Time	int	Time regarded as leave. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, VACATION, VACATIONNL, VACATIONNW.
Break_Time	int	Time regarded as break. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: PAUSE. Also break time within activities are taken into account.
Standby_Time	int	Time regarded as available. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: CONSIGNAT, PRESENCE_LABOUR, PRESENCE, PIKET, ON_CALL, WORKSTANDBY, BREAKONCALL.
Value	float	1 (used to count shifts)
Schedule_Status	nvarchar	Status of the schedule in which the shift is assigned.
Description	nvarchar	Description of the shift, found on tab 'Description' of the shift in ORTEC WS
Remark	nvarchar	Remark as set as Shift Remark in the right mouse menu in the planboard
InstructorShift_IND	nvarchar	Indicator (Y or N) whether a shift is an instructor shift
StudentShift_IND	nvarchar	Indicator (Y or N) whether a shift is a student shift
Instructor_Shift_ID	numeric	In case a shift is a student shift, a reference to the corresponding instructor shift. Otherwise -1.
Duty_Type	nvarchar	Duty type of the shift, found on tab 'Description' of the shift in ORTEC WS
Code	nvarchar	Code, found on tab 'Description' of the shift in ORTEC WS

6.1.51 View FACT_US_User_User_Group

Column	Data Type	Description
User_Group_Key	numeric	ID for user group
User_Key	numeric	ID for user.

6.1.52 View FACT_US_Dutyset_Periods

This view is only available if the setting EnableDutySetDutiesAndDutyDemand is set to True. Contact your ORTEC representative to enable this.

Column	Data Type	Description
Dutyset_Key	numeric	ID for dutyset
Demandset_Key	numeric	ID for demandset
Name_Cyclical_Schedule	nvarchar	Name of cyclical schedule of dutyset
Valid_From_Date_Key	numeric	Valid from date for dutyset
Valid_Until_Date_Key	numeric	Valid until date for dutyset

6.1.53 View FACT_US_Dutyset_Duty

This view is only available if the setting EnableDutySetDutiesAndDutyDemand is set to True. Contact your ORTEC representative to enable this.

Column	Data Type	Description
Duty_Key	numeric	ID for duty
Dutyset_Key	numeric	ID for dutyset of duty
Start_Time_Key	numeric	Start time of duty
End_Time_Key	numeric	End time of duty
Name	nvarchar	Name of duty
Duration	int	Duration of duty in minutes
Cost_Center_Key	numeric	ID of cost center of duty
Function_Key	numeric	ID of function of duty
Working_Time	int	Indicates the working hours applicable for the duty. Usually these are the hours paid. Example: hours worked, paid leave and paid breaks. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, RESERVE, VACATION, VACATIONNL, REST, AMPLITUDE, EDUCATION, COMPLEAVE, OVERTIME, OVERTIMET, OVERTIMEM, ADV, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNLNR.
Labor_Time	int	Time that counts as working time according to the labor rules. This time includes for instance sick leave. Breaks, paid or unpaid, are not included. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, ILLNESSNW, RESERVE, VACATION, VACATIONNW, PRESENCE_LABOUR, AMPLITUDE, EDUCATION, SIDELINE, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNWNR, BREAKONCALL.
Legal_Rest_Time	int	Time that counts as rest time according to the labor rules. Leave (paid and unpaid) is also regarded as rest. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, CONSIGNAT, PRESENCE, PIKET, PAUSE,

		DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, WORKSTANDBY, BREAKONCALL.
Rest_Time	int	Rest is the time during which no work is carried out in the duty. Breaks don't count because an employee is present. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, VACATION, VACATIONNL, VACATIONNW, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, BREAKONCALL.
Time_At_Work	int	Time in a duty during which work is done. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, PRESENCE_LABOUR, PRESENCE, PAUSE, REST, AMPLITUDE, EDUCATION, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, BREAKONCALL.
Workstation_Time	int	Time during a duty where time is spent at a workstation. The time is expressed in minutes. All activity time if a workstation_key is linked.
Illness_Time	int	Time regarded as sick time (not visible in Workforce Scheduling Client). The time is expressed in minutes. Activities with one of the following activity classes are taken into account: ILLNESS, ILLNESSNL, ILLNESSNW, ILLNESSNR, ILLNESSNLNR, ILLNESSNWNR.
Over_Time	int	Time regarded as overtime. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: OVERTIME, OVERTIMET, OVERTIMEM.
Leave_Time	int	Time regarded as leave. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, VACATION, VACATIONNL, VACATIONNW.
Break_Time	int	Time regarded as break. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: PAUSE. Also break time within activities are taken into account.
Standby_Time	int	Time regarded as available. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: CONSIGNAT, PRESENCE_LABOUR, PRESENCE, PIKET, ON_CALL, WORKSTANDBY, BREAKONCALL.
Valid_From_Date_Key	numeric	Date from which duty is valid
Valid_Until_Date_Key	numeric	Date until which duty is valid
Duty_Code	nvarchar	Code of duty

6.1.54 View FACT_US_Dutyset_Activity

This view is only available if the setting EnableDutySetDutiesAndDutyDemand is set to True. Contact your ORTEC representative to enable this.

Column	Data Type	Description
Duty_Key	nvarchar	ID for duty

Activity_Type_Key	nvarchar	ID for activity type of duty
Name	nvarchar	Name of activity
Start_Time_Key	numeric	Start time of activity
End_Time_Key	numeric	End time of activity
Cost_Center_Key	numeric	ID of cost center of activity
Location_Key	numeric	ID of workstation location of activity
Workstation_Key	numeric	ID of workstation of activity
Function_Key	numeric	ID of function of activity
Description	nvarchar	Description of activity
Duration	int	Duration of duty in minutes
Working_Time	int	Indicates the working hours applicable for the activity for duties. Usually these are the hours paid. Example: hours worked, paid leave and paid breaks. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, RESERVE, VACATION, VACATIONNL, REST, AMPLITUDE, EDUCATION, COMPLEAVE, OVERTIME, OVERTIMET, OVERTIMEM, ADV, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNLNR.
Labor_Time	int	Time that counts as working time according to the labor rules. This time includes for instance sick leave. Breaks, paid or unpaid, are not included. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, ILLNESSNW, RESERVE, VACATION, VACATIONNW, PRESENCE_LABOUR, AMPLITUDE, EDUCATION, SIDELINE, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNWNR, BREAKONCALL.
Legal_Rest_Time	int	Time that counts as rest time according to the labor rules. Leave (paid and unpaid) is also regarded as rest. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, CONSIGNAT, PRESENCE, PIKET, PAUSE, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, WORKSTANDBY, BREAKONCALL.
Rest_Time	int	Rest is the time during which no work is carried out during the activity of the duty. Breaks don't count because an employee is present. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, VACATION, VACATIONNL, VACATIONNW, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, BREAKONCALL.
Time_At_Work	int	Time during an activity during which work is done. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, PRESENCE_LABOUR, PRESENCE, PAUSE, REST, AMPLITUDE, EDUCATION, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, BREAKONCALL.



Workstation_Time	int	Time during a duty activity during which time is spent at a workstation. The time is expressed in minutes. All activity time if a workstation_key is linked.
Illness_Time	int	Time regarded as sick time (not visible in Workforce Scheduling Client). The time is expressed in minutes. Activities with one of the following activity classes are taken into account: ILLNESS, ILLNESSNL, ILLNESSNW, ILLNESSNR, ILLNESSNLNR, ILLNESSNWNR.
Over_Time	int	Time regarded as overtime. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: OVERTIME, OVERTIMET, OVERTIMEM.
Leave_Time	int	Time regarded as leave. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, VACATION, VACATIONNL, VACATIONNW.
Break_Time	int	Time regarded as break. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: PAUSE. Also break time within activities are taken into account.
Standby_Time	int	Time regarded as available. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: CONSIGNAT, PRESENCE_LABOUR, PRESENCE, PIKET, ON_CALL, WORKSTANDBY, BREAKONCALL.

6.1.55 View FACT_US_Dutyset_Demand

This view is only available if the setting EnableDutySetDutiesAndDutyDemand is set to True. Contact your ORTEC representative to enable this.

Column	Data Type	Description
Duty_Key	numeric	ID for duty
Demandset_Key	numeric	ID for demandset
Day	nvarchar	Day or holiday of duty
Valid_Date_Key	numeric	Date from which duty is valid
Type	nvarchar	Type of duty
Length	numeric	Length of duty
Amount	numeric	Amount of duty
Minimum_Amount	numeric	Minimum amount of duty
Maximum_Amount	numeric	Maximum amount of duty

6.1.56 View FACT_US_Shift_Subcontract_Status

This view gives an overview of status changes for subcontracts.

Column	Data Type	Description
Department_From_Key	numeric	ID for the subcontracting department

Department_To_Key	numeric	ID for the 'receiving' department
Date_Key	numeric	ID for date of status change
Shift_Date_Key	numeric	ID for the date, corresponding with the begin date of the shift
Time_Key	numeric	ID for time of status change Please note that we do not have the 'seconds' of the timestamp available.
Shift_Key	numeric	ID for the shift
User_Key	numeric	ID for the user that performed the change
Employee_Key	numeric	ID for the employee currently planned to the shift from the subcontract
Status	nvarchar	Status of the subcontract. Possible values: NOTACCEPTED | ACCEPTED | CONCEPT | FINAL | DECLINED | CANCELED
Latest_Status_Ind	nvarchar	Indicator showing whether the current line is the latest status of the subcontract. Possible values: Y | N

6.1.57 View FACT_US_Removed_Shift

This view gives an overview of shifts that have been removed in ORTEC WS but are still available in the database. Some other views (FACT_US_Shift_Subcontract_Status, for example) can have references to removed shifts.

For shifts being removed and without having references, ORTEC WS does run a clean-up process to remove these shifts from the database. Shifts that have been removed are not available through EDC as well. Therefore, this table is not meant as a complete overview of removed shifts. It can be used to look up details from shifts being referenced from other entities.

Column	Data Type	Description
Start_Date_Key	numeric	ID for start date of a shift
End_Date_Key	numeric	ID for end date of a shift
Start_Time_Key	numeric	ID for start time of a shift
End_Time_Key	numeric	ID for end time of a shift
Department_Key	numeric	ID for department
Cost_Center_Key	numeric	ID for cost center
Position_Key	numeric	ID for position
Shift_Id	numeric	ID for shift
Shift_Code	nvarchar	Code of shift. OWS Client: the code is visible in hint text of shift
Name_Shift	nvarchar	Name of a shift
Duration	int	Duration of shift in minutes
Working_Time	int	Indicates the working hours applicable for the employees' contract. Usually these are the hours paid. Example: hours worked, paid leave and paid breaks. The time is expressed in minutes.
Labor_Time	int	Time that counts as working time according to the labor rules. This time includes for instance sick leave. Breaks, paid or unpaid, are not included. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, ILLNESSNW, RESERVE, VACATION, VACATIONNW, PRESENCE_LABOUR, AMPLITUDE, EDUCATION, SIDELINE, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNWNR, BREAKONCALL.
Rest_Labor_Law	int	Time that counts as rest time according to the labor rules. Leave (paid and unpaid) is also regarded as rest. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, CONSIGNAT, PRESENCE, PIKET, PAUSE, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, WORKSTANDBY, BREAKONCALL.
Rest_Time	int	Rest is the time during which an employee is not carrying out any work and is not present or available. Breaks don't count because an employee is present. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, VACATION, VACATIONNL, VACATIONNW, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, BREAKONCALL.
Time_At_Work	int	Time during which an employee is present at work. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, PRESENCE_LABOUR, PRESENCE, PAUSE, REST, AMPLITUDE, EDUCATION, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, BREAKONCALL.
Workstation_Time	int	Time during which an employee is present at a workstation. The time is expressed in minutes. All activity time if a workstation_key is linked.

Sick_Leave_Time	int	Time regarded as sick time (not visible in Workforce Scheduling Client). The time is expressed in minutes. Activities with one of the following activity classes are taken into account: ILLNESS, ILLNESSNL, ILLNESSNW, ILLNESSNR, ILLNESSNLNR, ILLNESSNWNR.
Overtime	int	Time regarded as overtime. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: OVERTIME, OVERTIMET, OVERTIMEM.
Leave_Time	int	Time regarded as leave. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, VACATION, VACATIONNL, VACATIONNW.
Break_Time	int	Time regarded as break. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: PAUSE. Also break time within activities are taken into account.
Standby_Time	int	Time regarded as available. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: CONSIGNAT, PRESENCE_LABOUR, PRESENCE, PIKET, ON_CALL, WORKSTANDBY, BREAKONCALL.
Value	float	1 (used to count shifts)
Schedule_Status	nvarchar	Status of the schedule in which the shift is assigned.
Description	nvarchar	Description of the shift, found on tab 'Description' of the shift in ORTEC WS
Remark	nvarchar	Remark as set as Shift Remark in the right mouse menu in the planboard

6.1.58 View FACT_US_Employee_Property_Value

This view shows the non-default values that are set for employee properties. One record is shown per validity interval. If records per date are necessary, a join can be created to the view BRDG_US_Propertyvalue_Interval_Date. See an example in paragraph 0.

Column	Data Type	Description
Employee_Key	numeric	ID for employee
Property_Key	numeric	ID for property
Value	nvarchar	Property value (only non-default values are stored)
Begin_Date_Key	numeric	ID for begin date of the validity period
End_Date_Key	numeric	ID for end date of the validity period

6.1.59 View FACT_US_Department_Property_Value

This view shows the non-default values that are set for department properties. One record is shown per validity interval. If records per date are necessary, a join can be created to the view BRDG_US_Propertyvalue_Interval_Date. See an example in paragraph 0.

Column	Data Type	Description
Department_Key	numeric	ID for department
Property_Key	numeric	ID for property

Value	nvarchar	Property value (only non-default values are stored)
Begin_Date_Key	numeric	ID for begin date of the validity period
End_Date_Key	numeric	ID for end date of the validity period

6.1.60 View FACT_US_Costcenter_Property_Value

This view shows the non-default values that are set for cost center properties. One record is shown per validity interval. If records per date are necessary, a join can be created to the view BRDG_US_Propertyvalue_Interval_Date. See an example in paragraph 0.

Column	Data Type	Description
Cost_Center_Key	numeric	ID for cost center
Property_Key	numeric	ID for property
Value	nvarchar	Property value (only non-default values are stored)
Begin_Date_Key	numeric	ID for begin date of the validity period
End_Date_Key	numeric	ID for end date of the validity period

6.1.61 View FACT_US_Location_Property_Value

This view shows the non-default values that are set for location properties. One record is shown per validity interval. If records per date are necessary, a join can be created to the view BRDG_US_Propertyvalue_Interval_Date. See an example in paragraph 0.

Column	Data Type	Description
Location_Key	numeric	ID for location
Property_Key	numeric	ID for property
Value	nvarchar	Property value (only non-default values are stored)
Begin_Date_Key	numeric	ID for begin date of the validity period
End_Date_Key	numeric	ID for end date of the validity period

6.1.62 View FACT_US_Assigned_Shift_DutyProperty_Values

This view shows the non-default values that are set for duty properties, linked to assigned shifts.

Column	Data Type	DescriptionShift
Shift_Key	numeric	ID for shift
Property_Key	numeric	ID for property
Value	nvarchar	Property value (only non-default values are stored)

6.1.63 View FACT_US_Published_Shift_DutyProperty_Values

This view shows the non-default values that are set for duty properties, linked to published shifts.

Column	Data Type	DescriptionShift
Shift_Key	numeric	ID for shift
Property_Key	numeric	ID for property
Value	nvarchar	Property value (only non-default values are stored)

6.1.64 View FACT_US_Vacant_Shift_DutyProperty_Values

This view shows the non-default values that are set for duty properties, linked to vacant shifts.

Column	Data Type	DescriptionShift
Shift_Key	numeric	ID for shift
Property_Key	numeric	ID for property
Value	nvarchar	Property value (only non-default values are stored)

6.1.65 View BRDG_US_Cost_Center_Hierarchy

Column	Data Type	Description
Parent_Cost_Center_Key	numeric	ID for parent cost center
Child_Cost_Center_Key	numeric	ID for child cost center
Levels_Between_Parent_And_Child	smallint	The number of levels between parent and child
Child_Name	nvarchar	Name of child cost center
Lowest_Level_Flag	nvarchar	Indicates whether this cost center is on the lowest level
Highest_Level_Flag	nvarchar	Indicates whether this is the highest cost center
Effective_From_Date	datetime	The information in the row is valid as of this date. Fixed value of '1899-12-30 00:00:00.000'. These records are always valid.
Effective_Until_Date	datetime	The information in the row is valid until this date. Fixed value of '2447-07-30 00:00:00.000'. These records are always valid.
Active_Flag	nvarchar	Legacy column. Dummy value equal to 'Y' for backwards compatibility reasons.

6.1.66 View BRDG_US_Department_Hierarchy

Column	Data Type	Description
Parent_Department_Key	numeric	ID for the parent department
Child_Department_Key	numeric	ID for the child department
Levels_Between_Parent_And_Child	smallint	The number of levels between parent and child
Child_Name	nvarchar	Name of child department
Lowest_Level_Flag	nvarchar	Indicates whether this department is on the lowest level
Highest_Level_Flag	nvarchar	Indicates whether this is the highest department

Effective_From_Date	datetime	The information in the row is valid as of this date. Fixed value of '1899-12-30 00:00:00.000'. These records are always valid.
Effective_Until_Date	datetime	The information in the row is valid until this date. Fixed value of '2447-07-30 00:00:00.000'. These records are always valid.
Active_Flag	nvarchar	Legacy column. Dummy value equal to 'Y' for backwards compatibility reasons.

6.1.67 View BRDG_US_Department_Hierarchy

Column	Data Type	Description
Parent_Location_Key	numeric	ID for the parent location
Child_Location_Key	numeric	ID for the child location
Levels_Between_Parent_And_Child	smallint	The number of levels between parent and child
Child_Name	nvarchar	Name of child location
Lowest_Level_Flag	nvarchar	Indicates whether this location is on the lowest level
Highest_Level_Flag	nvarchar	Indicates whether this is the highest location
Effective_From_Date	datetime	The information in the row is valid as of this date. Fixed value of '1899-12-30 00:00:00.000'. These records are always valid.
Effective_Until_Date	datetime	The information in the row is valid until this date. Fixed value of '2447-07-30 00:00:00.000'. These records are always valid.
Active_Flag	nvarchar	Legacy column. Dummy value equal to 'Y' for backwards compatibility reasons.

6.1.68 View BRDG_US_User_Group_Hierarchy

Column	Data Type	Description
Child_User_Group_Key	numeric	ID for child user group
Parent_User_Group_Key	nvarchar	ID for parent user group
Levels_From_Parent	nvarchar	The number of levels between parent and child
Bottom_Level_Flag	numeric	Indicates whether this location is on the lowest level

6.1.69 View BRDG_US_Propertyvalue_Interval_Date

This view can be used as a bridge between the several property value views (like employee properties, etc), if there is a need to get a record per date in the validity period.
The view contains a 'date' record for each day in the interval

Column	Data Type	Description
Begin_Date_Key	numeric	ID for start date of an interval
End_Date_Key	numeric	ID for end date of an interval
Date_Key	nvarchar	ID for a date in the interval

Example query:

The following query can be used to obtain all employee property values for an employee property with name Property1, value "Test" and valid period 01-01-2026 until 01-01-2027.
The output will consist of 365 records, one for each day.

```
select
up.name,
e.Name_Employee,
pv.value,
d.Full_Date

from bi_support.FACT_US_EMPLOYEE_PROPERTY_VALUE pv
join bi_support.DIM_US_EMPLOYEE e on pv.EMPLOYEE_KEY = e.EMPLOYEE_KEY
join bi_support.BRDG_US_Propertyvalue_Interval_Date b on pv.begin_date_key = b.begin_date_key
                                                        and pv.end_date_key = b.end_date_key
join bi_support.DIM_US_Employee_Property up on pv.property_key = up.Property_Key
join bi_support.dim_us_date d on b.date_key = d.Date_Key

where up.Name = 'Property1' and Name_Employee = 'Employee1'
```

6.1.70 View EX_US_Account_Entry

Column	Data Type	Description
Name_Category	nvarchar	Name of the account category where the entry belongs to
Name_Employee	nvarchar	Name of the employee where the entry belongs to
Employee_Number	nvarchar	Employee number of the employee where the entry belongs to
Full_Date	datetime	Date of account entry
Value	float	Value
Name_Department	nvarchar	Name of the department where the entry belongs to
Name_Category	nvarchar	Name of the account category where the entry belongs to

6.1.71 View EX_US_Assigned_Shift

Column	Data Type	Description
Name_Employee	nvarchar	Name employee who is assigned to the shift
Startdate	datetime	Startdate of the shift
Enddate	datetime	Enddate of the shift
Starttime	datetime	Starttime of the shift
Endtime	datetime	Endtime of the shift
Department_Shift	nvarchar	Original department of the shift (for subcontracted shifts, the department that subcontracted the shift to another department)
Name_Cost_Center	nvarchar	Name cost center of the shift
Name_Position	nvarchar	Name position of the shift
Shift_Id	numeric	ID for shift
Name_Shift	nvarchar	Name of a shift
Duration	int	Duration of shift in minutes
Working_Hours	int	Indicates the working hours applicable for the employees' contract. Usually these are the hours paid. Example: hours worked, paid leave and paid breaks. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, RESERVE, VACATION, VACATIONNL, REST, AMPLITUDE, EDUCATION, COMPLEAVE, OVERTIME, OVERTIMET, OVERTIMEM, ADV, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNLNR.
Labor_Time	int	Time that counts as working time according to the labor rules. This time includes for instance sick leave. Breaks, paid or unpaid, are not included. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, LEAVE, ILLNESS, ILLNESSNW, RESERVE, VACATION, VACATIONNW, PRESENCE_LABOUR, AMPLITUDE, EDUCATION, SIDELINE, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, ILLNESSNR, ILLNESSNWNR, BREAKONCALL.
Rest_Labor_Law	int	Time that counts as rest time according to the labor rules. Leave (paid and unpaid) is also regarded as rest. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, CONSIGNAT, PRESENCE, PIKET, PAUSE, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, WORKSTANDBY, BREAKONCALL.
Rest_Time	int	Rest is the time during which an employee is not carrying out any work and is not present or available. Breaks don't count because an employee is present. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, ILLNESS, ILLNESSNL, ILLNESSNW, VACATION, VACATIONNL, VACATIONNW, DAYOFF, SATDAYOFF, SUNDAYOFF, COMPDAYOFF, REST, COMPLEAVE, ADV, ON_CALL, BREAKONCALL.



Time_At_Work	int	Time during which an employee is present at work. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: WORK, OPERATIONS, PRESENCE_LABOUR, PRESENCE, PAUSE, REST, AMPLITUDE, EDUCATION, OVERTIME, OVERTIMET, OVERTIMEM, SETTLE_IN, WORKSTANDBY, BREAKONCALL.
Workstation_Time	int	Time during which an employee is present at a workstation. The time is expressed in minutes. All activity time if a workstation_key is linked.
Sick_Leave_Time	int	Time regarded as sick time (not visible in Workforce Scheduling Client). The time is expressed in minutes. Activities with one of the following activity classes are taken into account: ILLNESS, ILLNESSNL, ILLNESSNW, ILLNESSNR, ILLNESSNLNR, ILLNESSNWNR.
Overtime	int	Time regarded as overtime. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: OVERTIME, OVERTIMET, OVERTIMEM.
Leave_Time	int	Time regarded as leave. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: LEAVE, VACATION, VACATIONNL, VACATIONNW.
Break_Time	int	Time regarded as break. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: PAUSE. Also break time within activities are taken into account.
Standby_Time	int	Time regarded as available. The time is expressed in minutes. Activities with one of the following activity classes are taken into account: CONSIGNAT, PRESENCE_LABOUR, PRESENCE, PIKET, ON_CALL, WORKSTANDBY, BREAKONCALL.
Value	float	1 (used to count shifts)
Schedule_Status	nvarchar	Status of the schedule in which the shift is assigned.
Shift_Status	nvarchar	Status of the shift where the activity is part of (Planned, Published, Closed, Approved, Processed).
Employee_From_Other_Department_Flag	nvarchar	Indicates whether the employee is from another department (lended). OWS Client account view: Accounts | [Account name]
Department_Employee	nvarchar	Name department of employee who is assigned to the shift.

6.1.72 View OWSBIDataTransferOverview

The view OWSBIDataTransferOverview gives an overview of the DataTransfer runs of the last seven days. It also shows if something went wrong, and it shows the start and end time for each run.

Column	Data Type	Description
start	datetime	Start of the DataTransfer run, in UTC
end	datetime	End of the DataTransfer run, in UTC
status	nvarchar	Status of the DataTransfer. Possible values: Finished or Running. Any other value of status indicates that something went wrong.
phase	nvarchar	Phase of the current run, or the phase where the DataTransfer failed
ErrorInPhase	nvarchar	Phase where the DataTransfer failed. Empty is the DataTransfer succeeds.
error	nvarchar	In case of failure, the error message
Latest	nvarchar	Indicates of this run of the DataTransfer was the latest. Possible values Y or N.

The latest upload has failed when:

- There is no upload for today (assuming the DataTransfer is scheduled to run on a daily basis)
- The value of Latest equals Y and the phase is not equal to Finished

The DataTransfer contains a self-corrective mechanism. So, if the DataTransfer failed yesterday, but succeeds today, the data is complete.

7 Deprecated functionality

In this chapter we describe functionality that is still available through the External Data Connector but will be removed in a future release.

7.1 Employee and department properties

Since version 20261012, we introduced a new concept of employee and department properties. As the new setup would break existing queries on the old views, we kept the old tables for backwards compatibility reasons. These tables will be removed in Q1-2027.

7.1.1 View DIM_US_Property

Column	Data Type	Description
Property_Key	numeric	Property ID
Name_Property	nvarchar	Name of property. OWS Client path: Organisation | employee/department Properties | Property
Shortname_Property	nvarchar	Abbreviation of property. OWS Client path: Organisation | employee/department Properties | Abbrevation
Property_Class	varchar	Property class. Possible values are "Employee" or "Department".
Linked_To	varchar	Department to which the property is linked
Linked_To_Key	numeric	Department ID to which the property is linked
Property_Type	varchar	Type of property. Possible values are (Integer, Decimal number, Date, Tekst, Yes/No, Time). OWS Client path: Organisation | employee/department Properties | Type.
Default_Value	nvarchar	Default value of property. OWS Client path: Organisation | employee/department Properties | Default value
Effective_From_Date	datetime	The information in the row is valid as of this date. Fixed value of '1900-01-01 00:00:00.000'. These records are always valid.
Effective_Until_Date	datetime	The information in the row is valid until this date. Value equals to 1 year further from latest record insert datetime.
Active_Flag	nvarchar	Legacy column. Dummy value equal to 'Y' for backwards compatibility reasons.

7.1.2 View FACT_US_Employee_Property

Column	Data Type	Description
Property_Key	numeric	ID for property
Date_Key	numeric	ID for date. OWS Client path: Employee | Employee management | [Employee] | Properties
Value	nvarchar	Property value (only non-default values are stored). OWS Client path: Employee | Employee management | [Employee] | Properties
Employee_Key	numeric	ID for employee

7.1.3 View FACT_US_Department_Property

Column	Data Type	Description
Property_Key	numeric	ID for property
Date_Key	numeric	ID for date. OWS Client path: Maintenance | Organisation | Value department properties
Value	nvarchar	Property value (only non-default values are stored). OWS Client path: Maintenance | Organisation | [Department] | Value department properties
Department_Key	numeric	ID for department