

# Function Module - Run a Generic Forecast

## Objective:

Run a Generic Forecast (on-demand) and return results to the caller.

## Function Module:

Forecast results can be retrieved cross-system by calling the remote enabled function module ("RFC"):

`/DMF/UFC_CREATE_GENERIC`

For more information, see the ABAP system documentation of the function module (**transaction SE37 -> /DMF/UFC\_CREATE\_GENERIC-> Function Module Documentation**).

## Pre-requisites:

To obtain a forecast on a product-location or an offer's product-location, requires that successful modeling has already occurred on that same product-location.

Configuration for forecasting has already been completed (such as for things such as the the logical systems, diagnostic identifiers, config\_id, sales organization, distribution channels, etc.

Missing model data will result in an error message and a forecast failure (see /DMF/MSG\_HL 926 explanation below).

## Time-dependent Price overrides:

In IT\_OVERRIDE, where FIELD = 'PRICE', valid overrides will apply to the time-dependent (TD) price based on the time range and the priority.

The most important priority is 1.

### Validations

- If the VALUE field (hence the override price) of the IT\_OVERRIDE entry is  $\leq 0$ .
  - A message will be returned
- If the VALID\_FR field is after the VALID\_TO or either VALID\_FR or VALID\_TO is empty
  - A message will be returned
- If the time range of an override overlaps with another time range (of the same prod-loc and priority)
  - A message will be returned

### Notes

- One day is not considered a gap between override timestamps.
  - If a record's VALID\_TO is 2017-01-01 and another record's VALID\_FR is 2017-01-02 is considered continuous. If the record's VALID\_FR was 2017-01-03 there would be a 1 day gap between the records.
- If no TD price records are found for product-location combination and override records exist for it, the override will be treated as a time dependent price record.
  - These records will have their value extend to either forecast horizon end date or the next TD price record with the same product-location combination. It ignores the timeframe of the entered override.

## ACV overrides:

In IT\_OVERRIDE, where the FIELD = 'ACV', valid overrides will apply to the mod\_met for SYS:ACV:REF (also known as the Last Seen ACV).

Priority is ignored for ACV overrides because they are not time-dependent.

### Validations

- VALID\_FR and VALID\_TO are not empty/blank
  - A message will be returned
- If the VALUE field (the ACV override) of the IT\_OVERRIDE entry is NOT between 1 and 100 (as %)
  - A message will be returned

### Actions

- If mod\_met metric SYS:ACV:REF entry is missing (from modeling output) and an override exists

- Use the override
- If mod\_met metric SYS:ACV:REF entry is missing (from modeling output) and no override exists
  - Mod\_met is unchanged
- If there is more than one override entry for a product-location
  - Picks the greatest ACV value in override table for this particular product and location

**Interface:**

Input parameters:

The Function Module requires that all identifiers (product, location, offer, sales organization, distribution channel, etc.) are submitted using external identifiers (which are unique based on the IV\_SENDER).

Parameter name	Default value	Field Name	Description
IV_SENDER			Logical system: Needed to uniquely convert external identifiers into internal identifiers for processing (such as product, location, offer).
IV_DIAG_ID	' '		Diagnostic Identifier: Needed to be able to retrieve model/forecast results of a specific diagnostic run.
IV_AGGR_PROFILE_ID	"		Aggregation Profile Identifier: Defaults to blank for production-location-day level forecast.
IV_CONFIG_ID	"		Configuration Identifier: Defaults to blank for standard configuration (see SPRO)
IV_TS_SOURCE			Time Series Source: The demand source for model parameters that will be used for the forecast. (mandatory)
IV_TIME_GRAN	'D'		Time Granularity: Defaults to 'D' - daily
IV_START_DATE			Start of forecast horizon (mandatory)
IV_END_DATE			End of forecast horizon (mandatory)
IV_SALES_ORG_ID			External Sales Organization Identifier: Default: " is a wildcard to represent all possible sales organization identifiers modeling
IV_DISTR_CHNL_ID			External Distribution Channel Identifier: Default: " is a wildcard to represent all possible distribution channels from modeling
IV_ORDER_CHNL_ID			Order Channel Identifier: Default: " is a wildcard to represent all possible order channels from modeling.
IT_PRODLOC			Input table to define the set of product locations which should be processed. (mandatory)  If IV_AGGR_PROFILE_ID is not blank, then this is represents aggregated entities known as PDIM (product dimensions) and LDIMS (location dimensions) instead.  If this table is empty, forecasts will be returned for all product-locations involved in the offers in IT_OFFER_HDR.
		EXT_PROD_ID	External representation of Product Identifier
		EXT_LOC_ID	External representation of Location Identifier

	LOC_TCD	Location Type Code This is optional.
IT_OFFER_EXT_XR		(optional) Input table to define the external and internal identifiers for offers that should be processed. These are offers that do not exist in the DDF system already, typically ad-hoc offers to be forecast. This table is required if any of the other offer tables are present.
	EXT_OFR_ID	External identifier for Offer
	OFR_ID	Offer Identifier
IT_OFFER_HDR		(optional) Input table to define the offer header data for any offers to be forecast. These are offers that do not exist in the DDF system already, typically ad-hoc offers to be forecast. This table is required if any of the other offer tables are present.
	OFR_ID	Offer Identifier. Must match IT_OFFER_EXT_XR.
	TSTMP_FR	Start of offer period
	TSTMP_TO	End of offer period
	PROD_QTY_OPTNL	Product Quantity Optional indicator X - Optional " - Required I - Initial
IT_OFFER_INCENT		(optional) Input table to define offer-level incentives associated with the offers in IT_OFFER_HDR and IT_OFFER_EXT_XR. If there are no entries in this table, the offer is assumed to have no incentives assigned.
	OFR_ID	Offer Identifier. Must match IT_OFFER_HDR and IT_OFFER_EXT_XR.
	INCENT_CLS	Incentive class identifier See configuration of DDF incentives
	INCENT_TCD	Incentive type code See configuration for DDF incentives
	INCENT_VADJ	Offer discount value
	REDEMP_RATE	Offer simulation percentage
	INCENT_POINTS	Reward Points
IT_OFFER_TACTIC		(optional) Input table to define tactics associated with the offers in IT_OFFER_HDR and IT_OFFER_EXT_XR. If there are no entries in this table, the offer is assumed to have no tactics assigned.
	OFR_ID	Offer Identifier. Must match IT_OFFER_HDR and IT_OFFER_EXT_XR.
	TACTIC	Tactic See configuration for DDF tactics
	TACTIC_TID	Tactic Type See configuration for DDF tactics

	DISTRIBUTION	Distribution for a tactic
	TSTMP_FR	Start of time-dependent tactic
	TSTMP_TO	End of time-dependent tactic
IT_OFFER_TERM		(optional) Input table to define the offer terms associated with the offers in IT_OFFER_HDR and IT_OFFER_EXT_XR.  If there are no terms for an offer, the offer cannot contain product-locations and will not be forecast.
	OFR_ID	Offer Identifier.  Must match IT_OFFER_HDR and IT_OFFER_EXT_XR.
	OFR_TRM_ID	Offer Term Identifier.
	OFR_TRM_TCD	Offer Term Type Code (for terms such as Buy and Get)
	OFR_TRM_OP_TCD	Offer Term Operation Type Code (such as AND, or OR). For how this term applies in conjunction with other terms on the same offer.
	PROD_QTY	Product Quantity
	DISC_TCD	Discount Type (such as Every Day Low price, Free, Discount Percent, Discount amount, etc.)
	DISC_VAL	Amount of discount applied in an offer
IT_OFFER_TRM_DTL		(optional) Input table to define the details (such as the products and locations) for the offer terms associated with the offers in IT_OFFER_HDR and IT_OFFER_EXT_XR.  These must also be associated with the offer terms in IT_OFFER_TERM.
	OFR_ID	Offer Identifier.  Must match IT_OFFER_HDR and IT_OFFER_EXT_XR.
	OFR_TRM_ID	Offer Term Identifier.  Must match IT_OFFER_TERM.
	EXT_PROD_ID	External representation of Product Identifier.
	EXT_LOC_ID	External representation of Location Identifier.
	LOC_TCD	Location Type Code
	DISC_TCD	Discount Type (such as Every Day Low price, Free, Discount Percent, Discount amount, etc.) . This is an override for this Product-Location as compared with the DISC_TCD at the Offer Term Level.
	DISC_VAL	Amount of discount applied in an offer. This is an override for this product-location as compared with the DISC_VAL at the Offer Term Level.
	FIXED_PRICE	<TBD>
	USE_FIXED_PRICE	Flag to use FIXED_PRICE or not:  'X' - Yes  " - No
IT_OFFER_TRM_INCENT		(optional) Input table to define offer term-level incentives associated with offers in the IT_OFFER_HDR and IT_OFFER_EXT_XR.  These must also be associated with the offer terms in IT_OFFER_TERM.
	OFR_ID	Offer Identifier.  Must match IT_OFFER_HDR and IT_OFFER_EXT_XR.
	OFR_TRM_ID	Offer Term Identifier.  Must match IT_OFFER_TERM.
	INCENT_CLS	Incentive class identifier  See configuration of DDF incentives

	INCENT_TCD	Incentive type code See configuration for DDF incentives
	INCENT_VADJ	Offer discount value
	RECEMP_RATE	Offer simulation percentage
	INCENT_POINTS	Reward Points
IT_OVERRIDE		(optional) Input table to define any product-location level time-dependent overrides. This is only for supported override types: such as PRICE and ACV. If the product-location specified is not part of the IT_PRODLOC or Offer inputs then it will be ignored.
	EXT_PROD_ID	External representation of Product Identifier.
	EXT_LOC_ID	External representation of Location Identifier.
	LOC_TCD	Location Type Code
	VALID_FR	Start of override time period. (ACV overrides are not time-dependent, should be blank)
	VALID_TO	End of override time period (ACV overrides are not time-dependent, should be blank)
	FIELD	Time-dependent field name. This will be for a supported override type such as PRICE or ACV only.
	VALUE	The value of the time-dependent override.
	PRIORITY	The priority in which the time-dependent overrides should be applied if there is a conflict or overlap. The most important priority is 1.
CV_JOB_ID		Controller Job Identifier: Default: blank - will be generated automatically using a pre-defined sequence number generator.

Output parameters:

Note:

The key of the output tables is identical in each case.

It contains: product–location-multi-channel keys-time period-offer-ERP promotion.

This implies that we can have regular sales and offer/ERP promotion sales on a single time period.

Output except from ET\_FC\_TIMESERIES, is controlled by configuration parameters (which are defaulted to OFF for space savings).

ET\_FC\_INFO is controlled by forecast configuration parameter FC\_OUTPUT\_FCI.

ET\_FC\_TRACE is controlled by forecast configuration parameter FC\_OUTPUT\_TRACE.

ET\_FC\_TSD is controlled by forecast configuration parameter FC\_OUTPUT\_DECOMP.

Each of the output tables ET\_FC\_TIMESERIES, ET\_FC\_INFO, ET\_FC\_TRACE and ET\_FC\_TSD all have the same basic key structure as follows:

Parameter name	Field Name	Description
<b>Key Structure</b>		Key fields for forecast outputs
	EXT_PROD_ID	External representation of Product Identifier
	EXT_LOC_ID	External representation of Location Identifier
	LOC_TCD	Location Type Code
	EXT_SALES_ORG_ID	External Sales Organization Identifier
	EXT_DISTR_CHNL_ID	External Distribution Channel Identifier

	ORDER_CHNL_ID	Order Channel
	TSTMP_FR	Start of results time period
	EXT_OFR_ID	External Offer Identifier
	EXT_EVENT_ID	ERP promotional Identifier
	TSTMP_TO	End of results time period

Then each of these tables has its own results fields as follows:

Key fields

Parameter name	Field Name	Description
<b>ET_FC_TIMESERIES</b>		Forecast time series results per prod-loc
	<b>Key fields</b>	see table above.
	REG_PRICE	Regular Price
	PRICE	Effective Price used for forecast
	FC_VAL	Forecast Unit Sales
	FC_VAL_LOW	Lower bound on Forecast Unit Sales
	FC_VAL_HIGH	Upper bound on Forecast Unit Sales
	US_FC_BSLN	Forecast Unit Sales Baseline
	US_FC_NET_LIFT	Net lift in Forecast Unit Sales
	DUS_BASE	Base unit sales for additive Delta Sales
	DUS_SEAS	Net Unit Sales due to seasonality
	DUS_HOL	Net Unit Sales due to holiday
	DUS_PRICE	Net Unit Sales due to price
	DUS_CND_INC	Net Unit Sales due to conditional incentives
	DUS_OFR_LFT_TYP	Net Unit Sales due to offer lift type
	DUS_OFR_TACTIC	Net Unit Sales due to offer tactic
	DUS_RWD_INC	Net Unit Sales due to reward incentives
	DUS_OTHER_DIF	Net Unit Sales due to other demand influencing factors (DIFs)
	TREND_PER_YR_PCT	Unit Sales Trend Percent Per Year
	ACTIVE_DAYS	Active Days - bitmap pattern to identify active days within the forecast horizon output. 1 is for active, 0 is not active for each day. Applies primarily to weekly output. For TIME_GRAN D(aily) the first day will be set so the value of this field is -1. The range for weekly can be 0 to 127.
FC_CONF_INDEX	Forecast Confidence Index	
FCI_NORM_PCT	Percent of FCI due to unit sales (normalization) uncertainty	
FCI_PRICE_PCT	Percent of FCI due to deviation from historical price	
FCI_PROMO_PCT	Percent of FCI due to uncertainty in promotional lift	

<b>ET_FC_INFO</b>		Forecast information (forecast confidence interval), includes messages regarding the forecast using typical message fields,  Table containing additional forecast information, such as reason codes for low forecast confidence index (FC_CONF_INDEX) in ET_FC_TIMESERIES.  The messages can be identified in transaction SE91 for any possible long text available ( typically found in message class /DMF/UDF_FC_INFO).
	<b>Key fields</b>	See table above
	TYPE	Message type: E Error, W Warning, S Success
	ID	Message Class
	NUMBER	Message Number
	MESSAGE	Message Text
	LOG_NO	Application Log
	LOG_MSG_NO	Application Log message serial number
	MESSAGE_V1	Message Variable
	MESSAGE_V2	Message Variable
	MESSAGE_V3	Message Variable
	MESSAGE_V4	Message Variable
	PARAMETER	Parameter Name
	ROW	Lines in parameter
	FIELD	Field in parameter
SYSTEM	Logical system from which message originates	
<b>ET_FC_TRC</b>		Forecast trace
	<b>Key fields</b>	See table above
	REM_CLOSED	Indicator that this prod-loc combination for the forecast was removed because the location was closed during this time period
	REM_DELISTED	Indicator that this prod-loc combination for the forecast was removed because the product was delisted during this time period
	OFR_LIFT_TCD	Offer Lift Type Code
<b>ET_FC_TSD</b>		Forecast Decomposition Detail
	<b>Key fields</b>	See table above
	DECOMP_TAG	Decomposition tag
	DECOMP_ATTR	Decomposition Attribute
	DECOMP_VAL	Decomposition Value
	DUS_MAPPING	Delta Unit sales category to which the DECOMP_TAG has been mapped (based on configuration of TAGs in /DMF/UMD_PAR_CFG which can have partial TAGs represented).

The ET\_FC\_TSD values (DECOMP\_VAL) are summed into the DUS\_\* fields in ET\_FC\_TIMESERIES according to the configurable mapping provided in /DMF/UMD\_PAR\_CFG.

The ET\_MSG table has the following output:

Parameter name	Field Name	Description
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<b>ET_MSG</b>		Forecast messages
TYPE		Message type: E Error, W Warning, S Success
ID		Message Class, for example /DMF/MSG_HL, /DMF/UDF_BUSINESS, /DMF/UDF_TECHNICAL
NUMBER		Message Number
MESSAGE		Message Text
LOG_NO		Application log: log number
LOG_MSG_NO		Application log: Internal message serial number
MESSAGE_V1		Message Variable
MESSAGE_V2		Message Variable
MESSAGE_V3		Message Variable
MESSAGE_V4		Message Variable
PARAMETER		Parameter Name
ROW		Line in parameter this error relates to
FIELD		Field in parameter
SYSTEM		Logical system from which message originates

Below is a list and description of some of the messages that can occur after execution of this function module:

Message class	Msg. no.	Message Short text	Msg. var. 1	Msg. var. 2	Msg. var. 3	Msg. var. 4	Description
/DMF/MSG_HL <i>Type: E</i>	004	RFC authorization failure	-	-	-	-	User is not authorized to call this function module remotely
/DMF/MSG_HL <i>Type: E</i>	904	Function call is not supported	-	-	-	-	UDF is not properly installed on the system (required business functions are not implemented).
/DMF/MSG_HL <i>Type: E</i>	003	Logical system &1: does not exist.	Provided input value	-	-	-	The logical system (IV_SENDER) does not exist (is not configured in the system).
/DMF/MSG_HL <i>Type: E</i>	006	Diagnostic Id &1 does not exist	Provided input value	-	-	-	Diagnostic identifier (IV_DIAG_ID) does not exist (is not configured in the system).  If the input parameter value is empty (initial) which identifies the default for "production", this message is never raised.
/DMF/MSG_HL <i>Type: E</i>	912	Product &1 location &2 location type code &3 does not exist	External Product ID from the input list	External Location ID from the input list	Location type code	-	The product-location does not exist in the system.  Note: This message is not raised if there is no forecast data for existing product-locations. In this case message 025 of class /DMF/UDF_BUSINESS is raised.
/DMF/MSG_HL <i>Type: S</i>	900	Successful execution for &1	Forecast				The generic forecast job has run successfully.

/DMF/MSG_HL Type: E	901	Failed execution for &1	Forecast				The generic forecast job encountered an error and failed.
/DMF/MSG_HL Type: S	902	&1 execution completed with additional messages during processing	Forecast				The generic forecast request ran to completion but additional messages were generated during processing. Consult the bapirettab for additional message
/DMF/MSG_HL Type: E	605	Forecasting aborted; horizon start date or end date not specified					The generic forecast request has a mandatory entry for start date and end date.  When calling the RFC from ABAP, this should not be possible but is there to protect calling from SQLScript directly.
/DMF/MSG_HL Type: E	926	Decomposition Failed					The forecast cannot continue. There is no data on which to perform the forecast.  This is either missing/inactive master data such as: <ul style="list-style-type: none"> <li>▪ product is not active</li> <li>▪ product is a generic</li> <li>▪ prod-loc is not active</li> </ul> OR this product-location has not yet been modeled and there are no model parameters or model priors available for modeling purposes.  NOTE: generic forecast is not like the PMR what-if forecast. It does not fall back to using global prior if there are no modeling outputs or hierarchical priors available.
/DMF/UDF_BUSINESS	043	ACV overrides must be between 1 and 100 for prod_id &1 and loc_id &2	External Product ID from the input list	External Location ID from the input list			Invalid ACV override value
/DMF/UDF_BUSINESS	044	ACV override time frame must be blank for prod_id &1 and loc_id &2	External Product ID from the input list	External Location ID from the input list			invalid ACV time frame (VALID_FR and VALID_TO must be blank).
/DMF/UDF_BUSINESS	045	Selecting greatest ACV override entry for prod_id &1 and loc_id &2	External Product ID from the input list	External Location ID from the input list			Multiple ACV overrides for the same product-location
/DMF/UDF_BUSINESS	046	Override value must be greater than 0 for product &1 and location &2	External Product ID from the input list	External Location ID from the input list			Invalid price for override

/DMF/UDF_BUSINESS	047	Invalid override timestamps for product &1 and location &2	External Product ID from the input list	External Location ID from the input list			Invalid time frame for PRICE override
/DMF/UDF_BUSINESS	048	Product &1 and location &2 have overlapping timeframes with same priority	External Product ID from the input list	External Location ID from the input list			Price overrides have overlapping timeframes

## Example:

Go to transaction SE37 and test/execute(F8) **/DMF/UFC\_CREATE\_GENERIC**.

Fill the required information as shown below:

Import parameters	Value
IV_SENDER	QI5CLNT800
IV_DIAG_ID	
IV_AGGR_PROFILE_ID	
IV_CONFIG_ID	
IV_IS_SOURCE	POS_IS
IV_TIME_GRAN	D
IV_START_DATE	20170809000000
IV_END_DATE	20170815235959
IV_FC_INFO_DETAIL_LEVEL	0
IV_SALES_ORG_ID	
IV_DISTR_CHNL_ID	
IV_ORDER_CHNL_ID	

To enter data into the input tables such as IT\_PRODLOC, select the icon 0 entries in the Value column and the following screen is displayed:

Tables	Value
IT_PRODLOC	0 Entries
IT_OFFER_EXT_XR	0 Entries
IT_OFFER_HDR	0 Entries

Add data for input as necessary:

Structure Editor: Change IT_PRODLOC from Entry 1		
Column  Entry  New Line  Double Line  Metadata		
2 Entries		
EXT_PROD_ID	EXT_LOC_ID	LOC_
317014	3601	1040
317014	3602	1040

After executing(F8) the forecast result tables are displayed.

Import parameters	Value
IV_SENDER	QI5CLNT800
IV_DIAG_ID	
IV_AGGR_PROFILE_ID	
IV_CONFIG_ID	
IV_TS_SOURCE	POS_TS
IV_TIME_GRAN	D
IV_START_DATE	20.170.809.000.000
IV_END_DATE	20.170.815.235.959
IV_FC_INFO_DETAIL_LEVEL	0
IV_SALES_ORG_ID	
IV_DISTR_CHNL_ID	
IV_ORDER_CHNL_ID	

  

Changing parameters	Value
CV_JOB_ID	
Result:	00033441

  

Tables	Value
IT_PRODLOC	 2 Entries
Result:	 2 Entries
IT_OFFER_EXT_XR	 0 Entries
Result:	 0 Entries
IT_OFFER_HDR	 0 Entries
Result:	 0 Entries
IT_OFFER_INCENT	 0 Entries
Result:	 0 Entries
IT_OFFER_TACTIC	 0 Entries
Result:	 0 Entries
IT_OFFER_TERM	 0 Entries
Result:	 0 Entries
IT_OFFER_TRM_DTL	 0 Entries
Result:	 0 Entries
IT_OFFER_TRM_INCENT	 0 Entries
Result:	 0 Entries
IT_OVERRIDE	 0 Entries
Result:	 0 Entries
ET_MSG	 0 Entries
Result:	 1 Entry
ET_FC_TIMESERIES	 0 Entries
Result:	 10 Entries
ET_FC_INFO	 0 Entries
Result:	 10 Entries
ET_FC_TRACE	 0 Entries
Result:	 14 Entries
ET_FC_TSD	 0 Entries
Result:	 50 Entries

Click on the value field for ET\_FC\_TIMESERIES to see forecast timeseries results for all product-locations.

The following is just a portion of this table:

Structure Editor: Display ET\_FC\_TIMESERIES from Entry 1

10 Entries

EXT_PROD_ID	EXT_LOC_ID	EXT_SALES_ORG_ID	EXT_DISTR_CHNL_ID	OR	TSTMP_FR	EXT_O
317014	3601	RP10	R2	04	20.170.809.000.000	
317014	3601	RP10	R2	04	20.170.810.000.000	
317014	3601	RP10	R2	04	20.170.811.000.000	
317014	3601	RP10	R2	04	20.170.814.000.000	
317014	3601	RP10	R2	04	20.170.815.000.000	
317014	3602	RP10	R2	04	20.170.809.000.000	
317014	3602	RP10	R2	04	20.170.810.000.000	
317014	3602	RP10	R2	04	20.170.811.000.000	
317014	3602	RP10	R2	04	20.170.814.000.000	
317014	3602	RP10	R2	04	20.170.815.000.000	

Here is what a single entry (where the FC\_VAL, US\_FC\_BSLN, and US\_FC\_NET\_LIFT are the primary columns of interest) may contain:

Structure Editor: Display ET\_FC\_TIMESERIES Entry 1 From 10

ET\_FC\_TIMESERIES

EXT_PROD_ID	317014
EXT_LOC_ID	3601
EXT_SALES_ORG_ID	RP10
EXT_DISTR_CHNL_ID	R2
ORDER_CHNL_ID	04
TSTMP_FR	20.170.809.000.000
EXT_OFR_ID	
EXT_EVENT_ID	
TSTMP_TO	20.170.809.235.959
REG_PRICE	7,99000
PRICE	7,99000
FC_VAL	0,51935
FC_VAL_LOW	0,00000
FC_VAL_HIGH	0,00000
US_FC_BSLN	27,91220
US_FC_NET_LIFT	27,39284-
FC_CONF_INDEX	0,00
DUS_BASE	27,91220
DUS_SEAS	0,00000
DUS_HOL	0,00000
DUS_PRICE	30,36274-
DUS_CND_INC	0,00000
DUS_OFR_LFT_TYP	0,00000

The following output is from the ET\_FC\_INFO (forecast info) table (one of the 10 entries returned):

Structure Editor: Display ET\_FC\_INFO from Entry 1 1

Column Entry Metadata

10 Entries

EXT_PROD_ID	EXT_LOC_ID
317014	3601
317014	3601
317014	3601
317014	3601
317014	3601
317014	3601
317014	3601
317014	3601
317014	3601
317014	3601

Structure Editor: Display ET\_FC\_INFO Entry 1 From 10

```

ET_FC_INFO
├── EXT_PROD_ID 317014
├── EXT_LOC_ID 3601
├── EXT_SALES_ORG_ID RP10
├── EXT_DISTR_CHNL_ID R2
├── ORDER_CHNL_ID 04
├── TSTMP_FR 20.170.809.000.000
├── EXT_OFR_ID
├── EXT_EVENT_ID
├── TSTMP_TO 20.170.809.235.959
├── TYPE
├── ID /DMF/UDF_FC_INFO
├── NUMBER 030
├── MESSAGE
├── LOG_NO
├── LOG_MSG_NO 000000
├── MESSAGE_V1 Price
├── MESSAGE_V2
├── MESSAGE_V3
├── MESSAGE_V4
├── PARAMETER
├── ROW 0
├── FIELD
└── SYSTEM
    
```

The following output is from the ET\_FC\_TRACE (forecast trace) table (one of the 14 entries returned):

ET\_FC\_TRACE

EXT_PROD_ID	317014
EXT_LOC_ID	3601
EXT_SALES_ORG_ID	RP10
EXT_DISTR_CHNL_ID	R2
ORDER_CHNL_ID	04
ISTMP_FR	20.170.809.000.000
EXT_OFR_ID	
EXT_EVENT_ID	
ISTMP_TO	20.170.809.235.959
REM_CLOSED	N
REM_DELISTED	N
OFR_LIFT_ICD	0



The following output is from the ET\_FC\_TSD (forecast decomposition) table (one of the 50 entries returned):



