

# Hyperion Planning Table Definitions



This document is directed to all of the Oracle/Hyperion Planning technicians. Its contents are an amalgamation of unofficial documents, my knowledge and hours of experimentation. Use the information to help understand the Planning tables but whatever you do, don't take anything as fact. I can't stress this enough.

Be sure to look at the queries found at the end of this document. They will help you understand the relationships between tables.

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## Disclaimer

The author has made every effort to ensure the accuracy of the information herein. There is no "official" public documentation available for the Planning tables. This information has been compiled using notes, conversations and experience. The content and uses of the planning tables changes from version to version. Use this document as a guide only. However, this information is supplied without warranty, either express or implied. The author will not be held liable for any damages caused either directly or indirectly by the instructions contained herein.

# Hyperion Planning Table Definitions

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# Hyperion Planning Table Definitions

## Table descriptions

Table Name	Description	Category
<b>HSP_ACCESS_CONTROL</b>	Describes the access rights for the user or group to the specified object	<b>Permissions</b>
<b>HSP_ACCOUNT</b>	Describes the attributes for each account	<b>Member</b>
<b>HSP_ACCOUNT_DESC</b>		
<b>HSP_ACTION</b>	Internal table used to track changes	<b>System</b>
<b>HSP_ACTIVITY_LEASE</b>	Internal table used to track task or activities across multiple servers	<b>System</b>
<b>HSP_ALIAS</b>	Links the alias to the member name	<b>Member</b>
<b>HSP_ANNOTATION</b>	Stores annotations made by users for planning units and forms	
<b>HSP_ATTRIBUTE_DIM</b>	Describes the attribute dimension	<b>Attribute</b>
<b>HSP_ATTRIBUTE_MEMBER</b>	Describes the attributes for each attribute dimension.	<b>Attribute</b>
<b>HSP_AUDIT_OPTIONS</b>	controls audit options	<b>Application Settings</b>
<b>HSP_AUDIT_RECORDS</b>	Audit detail	<b>System</b>
<b>HSP_CALC_MGR_RULES</b>		<b>Calc Mgr</b>
<b>HSP_CALC_MGR_RULESETS</b>		<b>Calc Mgr</b>
<b>HSP_CALC_MGR_USER_VAR_PPT</b>		<b>Calc Mgr</b>
<b>HSP_CALC_MGR_VARIABLES</b>		<b>Calc Mgr</b>
<b>HSP_CALENDAR</b>	Specifies the range of years, start fiscal year and base time period	<b>Application Settings</b>
<b>HSP_CELL_NOTE</b>	Defines the cell intersection for the cell note.	<b>Cell Notes</b>
<b>HSP_CELL_NOTE_ITEM</b>	Cell note message	<b>Cell Notes</b>
<b>HSP_CHECKOUTS</b>	List of users who have checked out a form for off-line access	<b>System</b>
<b>HSP_COLUMN_DETAIL</b>	Defines the cell intersection for the supporting detail	<b>Supporting Detail</b>

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<b>HSP_COLUMN_DETAIL_ITEM</b>	Supporting detail	<b>Supporting Detail</b>
<b>HSP_COMPOSITE_BLOCK</b>		<b>Forms</b>
<b>HSP_COMPOSITE_FORM</b>		<b>Forms</b>
<b>HSP_CUBES</b>	defines the plan types	<b>Application Settings</b>
<b>HSP_CURRENCY</b>	Stores currency information but not rates	<b>Application Settings</b>
<b>HSP_DIMENSION</b>	Each row describes a dimension	<b>Application Settings</b>
<b>HSP_DRIVER_MEMBER</b>	Describes the formula for a member	
<b>HSP_ENTITY</b>	Describes the members of the entity dimension	<b>Application Settings</b>
<b>HSP_ENUMERATION</b>	Defines smartlist tables	<b>Smart Lists</b>
<b>HSP_ENUMERATION_ENTRY</b>	Defines contents of the smartlists	<b>Smart Lists</b>
<b>HSP_FORM</b>	Describes each form	<b>Forms</b>
<b>HSP_FORM_ATTRIBUTES</b>	Used to display attributes on data forms	<b>Forms</b>
<b>HSP_FORM_CALCS</b>	Associates calcs and business rules with a form	<b>Forms</b>
<b>HSP_FORM_LAYOUT</b>	Describes the location & position of each dimension for a specified axis	<b>Forms</b>
<b>HSP_FORM_MENUS</b>	Defines form menus	<b>Forms</b>
<b>HSP_FORM_VARIABLES</b>	Defines user variables used informs	<b>Forms</b>
<b>HSP_FORMOBJ_DEF</b>	Defines the row, column and page definition on a form	<b>Forms</b>
<b>HSP_FORMOBJ_DEF_MBR</b>	Defines the members for a dimension on a form	<b>Forms</b>
<b>HSP_FX_RATE_VALUES</b>	NOT USED	<b>FX Rates</b>
<b>HSP_FX_RATES</b>	Each row represents an exchange rate between 2 currencies	<b>FX Rates</b>
<b>HSP_FX_TABLES</b>	Defines exchange rate tables	<b>FX Rates</b>
<b>HSP_FX_VALUES</b>	Represents an exchange rate between 2 currencies for a given time	<b>FX Rates</b>
<b>HSP_GROUP</b>	Defines the security	<b>Permissions</b>

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	groups for Planning	
<b>HSP_JOB_STATUS</b>		<b>System</b>
<b>HSP_LINKS</b>	Stores URL links	<b>Application Settings</b>
<b>HSP_LOCK</b>	Tracks component locking	<b>System</b>
<b>HSP_MEMBER</b>	Describes the settings for a dimension member	<b>Member</b>
<b>HSP_MEMBER_FORMULA</b>	Contains member formula	<b>Member</b>
<b>HSP_MEMBER_TO_ATTRIBUTE</b>	Describes the mapping from a standard member to an attribute member	<b>Attribute</b>
<b>HSP_MEMBER_TO_UDA</b>	Describes the mapping from a standard member to an UDA	<b>Member</b>
<b>HSP_MENU_ITEM</b>	Describes user defined menu items that appear as a right click menu on a data grid	<b>Application Settings</b>
<b>HSP_MRU_MEMBERS</b>	Used to track the user's POV settings	<b>System</b>
<b>HSP_OBJECT</b>	Base table for all planning objects	<b>Primary Table</b>
<b>HSP_OBJECT_TYPE</b>	Internal list of object types	<b>System</b>
<b>HSP_PENDING_DELS</b>	Internal table used to track members as they get deleted.	<b>System</b>
<b>HSP_PENDING_XACTS</b>	Tracks delete and Add transactions. The table is cleared following a refresh.	<b>System</b>
<b>HSP_PLAN_TYPE</b>	internal table that lists plan types	<b>Application Settings</b>
<b>HSP_PLANNING_UNIT</b>	Track planning units and their process states	<b>Application Settings</b>
<b>HSP_PLANNING_UNIT_LOG</b>	Tracks the history defines project management states planning units and their process states	<b>System</b>
<b>HSP_PM_ACTIONS</b>	Defines process state management actions	<b>Application Settings</b>
<b>HSP_PM_EFFECTS</b>	Defines PM effects of transitioning into a state	<b>Application Settings</b>
<b>HSP_PM_RULES</b>	Defines PM transition rules from state to state	<b>Application Settings</b>

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<b>HSP_PM_STATES</b>	Defines PM states	<b>System</b>
<b>HSP_PRINT_OPTS</b>	Defines PDF print options for a given form or user	<b>Application Settings</b>
<b>HSP_SCENARIO</b>	Describes the scenario dimension	<b>Application Settings</b>
<b>HSP_SPREAD_PATTERN</b>		<b>Application Settings</b>
<b>HSP_STRINGS</b>	String translation table	<b>Application Settings</b>
<b>HSP_SYSTEMCFG</b>	Describes the system level information for the Planning application	<b>Application Settings</b>
<b>HSP_TASK</b>	List of variables that may be used in a form definition	<b>Application Settings</b>
<b>HSP_TEXT_CELL_VALUE</b>	Contains the text value that is linked to the numerical ID	<b>Cell Text</b>
<b>HSP_TIME_PERIOD</b>	Describes each time period	<b>Application Settings</b>
<b>HSP_UDA</b>	Each row describes a UDA for a dimension.	<b>Member</b>
<b>HSP_UNIQUE_NAMES</b>	Enforces the name uniqueness required by Essbase.	<b>Member</b>
<b>HSP_USER_PREFS</b>	User preferences for a user	<b>Application Settings</b>
<b>HSP_USER_TASKS</b>	Tracks tasks when completed or alert sent	<b>Application Settings</b>
<b>HSP_USER_VARIABLE</b>		<b>Application Settings</b>
<b>HSP_USER_VARIABLE_VALUE</b>		<b>Application Settings</b>
<b>HSP_USERS</b>		<b>Permissions</b>
<b>HSP_USERSINGROUP</b>		<b>Permissions</b>
<b>HSP_VERSION</b>	Stores version members and properties	<b>Application Settings</b>
<b>HSP_WF_SET_SCREEN</b>		<b>Application Settings</b>

# Hyperion Planning Table Definitions

## HSP\_ACCESS\_CONTROL

Each row describes the access rights for the user or group to the specified object

Column Name	Column Type	Description
<b>USER_ID</b>	integer	<b>FK(object) Object IID of a user</b>
<b>OBJECT_ID</b>	integer	<b>FK(object) Object whose access is being controlled</b>
<b>ACCESS_MODE</b>	integer	<b>Permissions allowed to the object by the user/group</b> 1=read 3=write -1=deny
<b>FLAGS</b>	integer	<b>Determines the hierarchy access given to the object</b> 0=member 5=children 6=ichildren 8=descendants 9=idescendants

## HSP\_ACCOUNT

Each row describes a member of the account dimension.

Column Name	Column Type	Description
<b>ACCOUNT_ID</b>	integer	<b>FK(member)</b>
<b>USE_445</b>	smallint	<b>0=don't adjust</b> 1=445 monthly spread 2=454 monthly spread 3=544 monthly spread
<b>TIME_BALANCE</b>	smallint	<b>Essbase time balance attribute</b> 0=none 1=first 2=last 3=average
<b>SKIP_VALUE</b>	smallint	<b>Essbase skip attribute</b> 0=none



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		1=skip missing values 2=skip zero values 3=skip both missing & zero values
<b>ACCOUNT_TYPE</b>	smallint	1=expense 2=revenue 3=asset 4=liability 5=equity 6=statistical 7=saved assumption
<b>VARIANCE_REP</b>	smallint	Essbase variance reporting attributes 1=expense 2=non-expense
<b>CURRENCY_RATE</b>	smallint	0=none 1=average 2=ending 3=historical
<b>PLANNING_METHOD</b>	smallint	
<b>USED_IN</b>	smallint	Bitmask indicating the cubes that use the account 1=revenue 2=net income 4=balance sheet
<b>DATA_TYPE</b>	smallint	1=currency 2=non-currency 3=percentage
<b>SRC_PLAN_TYPE</b>	integer	Indicates source cube for data source 1=revenue 2=net income 4=balance sheet
<b>SUB_ACCOUNT_TYPE</b>	integer	

### HSP\_ACCOUNT\_DESC

An account may have different account descriptions for each planning unit (scenario, version, entity). If any, the descriptions are stored here.

Column Name	Column Type	Description
<b>SCENARIO_ID</b>	integer	<b>Object ID of scenario</b>

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<b>VERSION_ID</b>	integer	<b>Object ID of version</b>
<b>ENTITY_ID</b>	integer	<b>Object ID of entity</b>
<b>ACCOUNT_ID</b>	integer	<b>Object ID of account</b>
<b>CONTENTS</b>	varchar(2000)	<b>Contents of description</b>

### HSP\_ACTION

Internal table

Column Name	Column Type	Description
<b>ID</b>	integer	<b>Internally generated action ID</b>
<b>FROM_ID</b>	integer	<b>Source IF from where change occurred</b>
<b>TO_ID</b>	integer	<b>Target where change is applied</b>
<b>ACTION_ID</b>	integer	<b>Change type 1=add 2=modify 3=delete</b>
<b>OBJECT_TYPE</b>	integer	<b>Object type that was changed</b>
<b>PRIMARY_KEY</b>	Varchar(255)	<b>Identifies the object modified</b>
<b>MESSAGE</b>	Nvarchar(127)	
<b>ACTION_TIME</b>	datetime	<b>Time stamp</b>

### HSP\_ACTIVITY\_LEASE

Internal table used to track activities across servers.

Column Name	Column Type	Description
<b>ACTIVITY_ID</b>	integer	<b>ID of the activity</b>
<b>SERVER_ID</b>	integer	<b>ID of the server</b>
<b>EXPIRATION_DATE</b>	datetime	<b>Time activity expires</b>

### HSP\_ALIAS

Each row links an alias object with a member name object.

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Column Name	Column Type	Description
<b>MEMBER_ID</b>	integer	<b>FK(object) Member object for the alias</b>
<b>ALIASTBL_ID</b>	integer	<b>FK(object) Object ID of the alias table</b>
<b>ALIAS_ID</b>	integer	<b>FK(object) Object ID for the alias</b>

### HSP\_ANNOTATION

Each row is a user entered annotation stored by object planning unit or form. Objects may have more multiple annotations.

Column Name	Column Type	Description
<b>OBJECT_ID</b>	integer	<b>Object associated with annotation</b>
<b>ANNOT_SEQ</b>	integer	<b>Internally assigned sequence number because an object may have multiple annotations</b>
<b>AUTHOR_ID</b>	integer	<b>ID of the user</b>
<b>CREATED</b>	datetime	<b>Creation date</b>
<b>TITLE</b>	varchar(40)	<b>Title of annotation</b>
<b>CONTENTS</b>	varchar(2000)	<b>Annotation text</b>

### HSP\_ATTRIBUTE\_DIM

Each row describes a single attribute dimension. A dimension can have multiple attributes.

Column Name	Column Type	Description
<b>ATTR_ID</b>	integer	<b>FK(object)</b>
<b>DIM_ID</b>	integer	<b>FK(dimension) identifies the associated dimension</b>
<b>ATTRIB_TYPE</b>	integer	<b>Essbase attribute type 0=text</b>

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		1=numeric 2=Boolean 3=date
<b>PERSPECTIVE 1</b>	integer	
<b>PERSPECTIVE 1</b>	integer	

### HSP\_ATTRIBUTE\_MEMBER

Table defines the attribute values. Each row contains a member for an attribute.

Column Name	Column Type	Description
<b>ATTR_MEM_ID</b>	integer	<b>FK(member)</b>
<b>ATTR_ID</b>	integer	<b>FK(attribute_dim) identifies the associated dimension</b>
<b>LEVEL0</b>	smallint	<b>0=not leaf level 1=is leaf</b>
<b>TEXT_VAL</b>	Varchar(32)	<b>Holds text attribute value</b>
<b>NUMBER_VAL</b>	numeric	<b>Holds numeric attribute value</b>
<b>BOOLEAN_VAL</b>	smallint	<b>0=false 1=true</b>
<b>DATE_VAL</b>	datetime	<b>Holds date attribute value</b>

### HSP\_AUDIT\_OPTIONS

Contains application audit options.

Column Name	Column Type	Description
<b>AUDIT_FORMS</b>	smallint	<b>0=no, 1=yes, default=0</b>
<b>AUDIT_DATA</b>	smallint	<b>0=no, 1=yes, default=0</b>
<b>AUDIT_PUS</b>	smallint	<b>0=no, 1=yes, default=0</b>
<b>AUDIT_COPY_VERS</b>	smallint	<b>0=no, 1=yes, default=0</b>
<b>AUDIT_MEMBERS</b>	smallint	<b>0=no, 1=yes, default=0</b>
<b>AUDIT_CALCS</b>	smallint	<b>0=no, 1=yes, default=0</b>
<b>AUDIT_ALIAS_TABLES</b>	smallint	<b>0=no, 1=yes, default=0</b>
<b>AUDIT_USERS</b>	smallint	<b>0=no, 1=yes, default=0</b>
<b>AUDIT_GROUPS</b>	smallint	<b>0=no, 1=yes, default=0</b>
<b>AUDIT_SECURITY</b>	smallint	<b>0=no, 1=yes, default=0</b>
<b>AUDIT_FORM_FOLDERS</b>	smallint	<b>0=no, 1=yes, default=0</b>
<b>AUDIT_OFFLINE</b>	smallint	<b>0=no, 1=yes, default=0</b>

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## HSP\_AUDIT\_RECORDS

Audit records generated when auditing is implemented.

Column Name	Column Type	Description
<b>TYPE</b>	Varchar(100)	
<b>ID_1</b>	Varchar(500)	
<b>ID_2</b>	Varchar(500)	
<b>USE_NAME</b>	Varchar(100)	
<b>TIME_POSTED</b>	datetime	
<b>ACTION</b>	Varchar(100)	
<b>PROPERTY</b>	Varchar(100)	
<b>OLD_VAL</b>	Varchar(1500)	
<b>NEW_VAL</b>	Varchar(1500)	

## HSP\_CALENDAR

Describes the application calendar.

Column Name	Column Type	Description
<b>CALENDAR_ID</b>	integer	FK(object)
<b>FIRST_YEAR</b>	integer	First year of calendar
<b>NUMBER_YEARS</b>	integer	Number of years in calendar
<b>FY_MONTH</b>	smallint	First month of fiscal year. Jan=1, Feb=2, etc.
<b>BASE_TIME_PERIOD</b>	smallint	Holds numeric attribute value
<b>PERIODS_IN_YEAR</b>	smallint	Number of periods in year
<b>PREFIX</b>	Varchar(20)	Prefix for custom time periods
<b>CURRENT_YEAR</b>	datetime	Holds date attribute value
<b>CURRENT_TP</b>	integer	FK(time_period)

## HSP\_CELL\_NOTE

Each row of the table identifies a cell note entry and the associated Essbase dimension data points.

## Hyperion Planning Table Definitions

Column Name	Column Type	Description
<b>NOTE_ID</b>	integer	Auto generated ID
<b>PLAN_TYPE</b>	smallint	Plantype where the cell note belongs 1,2,4,8,16
<b>DIM1</b>	integer	ID of first dimension
<b>DIM2</b>	smallint	ID of second dimension
...	...	...
<b>DIM<math>I</math>th</b>	smallint	ID of $I$ th dimension
...	...	...
<b>DIM20</b>	datetime	ID of 20 <sup>th</sup> dimension

### HSP\_CELL\_NOTE\_ITEM

Table defines the detail text and values associated with a cell note entry.

Column Name	Column Type	Description
<b>NOTE_ID</b>	integer	From HSP_CELL_NOTE
<b>CONTENTS</b>	Varchar(2000)	Cell note

### HSP\_CHECKOUTS

Table lists users that have a form checked out for offless.in ac

Column Name	Column Type	Description
<b>USER_ID</b>	integer	FK(HSP_USERS) user who checked out form
<b>FORM_ID</b>	integer	FK(HSP_FORM) form that was checked out
<b>CHECK_OUT</b>	datetime	Date & time the user checked out the form

### HSP\_COLUMN\_DETAIL

Each row of the table identifies a supporting detail entry and the associated Essbase dimension data points.

Column Name	Column Type	Description
-------------	-------------	-------------

## Hyperion Planning Table Definitions

<b>DETAIL_ID</b>	integer	Auto generated ID
<b>PLAN_TYPE</b>	smallint	Plantype where the cell note belongs 1,2,4,8,16
<b>DIM1</b>	integer	ID of first dimension
<b>DIM2</b>	smallint	ID of second dimension
...	...	...
<b>DIM<math>i</math>th</b>	smallint	ID of $i$ th dimension
...	...	...
<b>DIM20</b>	datetime	ID of 20 <sup>th</sup> dimension

### HSP\_COLUMN\_DETAIL\_ITEM

Table defines the detail text and values associated with a supporting detail entry.

Column Name	Column Type	Description
<b>DETAIL_ID</b>	integer	From HSP_COLUMN_DETAIL
<b>VALUE</b>	float	Detail value
<b>POSITION</b>	integer	Numerical position of detail starting with 0
<b>GENERATOR</b>	integer	Generation of detail starting with 0
<b>OPERATOR</b>	integer	0=ignore 1=add 2=subtract 3=multiply 4=divide
<b>LABEL</b>	Varchar(1500)	Detail description

### HSP\_CUBES

Each row is a cube that Planning creates in Essbase

Column Name	Column Type	Description
<b>CUBE_ID</b>	integer	FK(object)
<b>PLAN_TYPE</b>	integer	1=revenue 2=p&l 4=balance sheet 8=workforce 16=capex
<b>LAST_REFRESH</b>	datetime	Timestamp indicating last refresh
<b>TYPE</b>	smallint	0=generic

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		1=workforce 2=capex
<b>LOCATION_ALIAS</b>	Varchar(80)	Location alias used by Xref

### HSP\_CURRENCY

Each row describes a currency.

Column Name	Column Type	Description
<b>CURRENCY_ID</b>	integer	FK(object)
<b>SYMBOL</b>	Varchar(10)	Eg. "\$"
<b>SCALE</b>	datetime	Valid values 1-10
<b>TRIANGLE_CUR</b>	integer	Intermediate currency if triangulated
<b>CURRENCY_TYPE</b>	smallint	1=pre-defined 2=user-defined 3=pre-defined but overridden by a user-defined with same currency code
<b>REPT_CURRENCY</b>	smallint	1=not reporting currency 2=reporting currency
<b>THOUSANDS_SEP</b>	smallint	0=none 1=comma 2=period 3=space
<b>DECIMAL_SEP</b>	smallint	0=period 1=comma
<b>NEGATIVE_SIGN</b>	smallint	0=prefixed minus 1=suffixed minus 2=brackets
<b>NEGATIVE_COLOR</b>	smallint	0=black 4=red

### HSP\_DIMENSION

Each row is a dimension for the planning application. In addition to user defines and attribute dimensions, all required planning dimensions are listed in the table whether they are used or not. For dimensions not in use such as FX Rates, dim type will be 0.

Column Name	Column Type	Description
<b>DIM_ID</b>	integer	FK(object)
<b>ENFORCE_SECURITY</b>	Varchar(10)	1=Access control is on for this dimension



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<b>DIM_TYPE</b>	datetime	0=none 1=account 2=time 3=entity 6=Attribute
<b>DENSITY</b>	integer	(not used) 0=dense 1=sparse
<b>USED_IN</b>	smallint	Bitmask of the plan types that use this dimension. Bitmask value is the sum of the Plan types. i.e. 3= revenue & P&L, 7= revenue , P&L and balance sheet
<b>DIM_EDITOR</b>	smallint	1=can be accessed by dimension editor
<b>DENSITY1</b>	smallint	Stored by plan type. Density1 = Revenue 0=dense 1=sparse
<b>DENSITY2</b>	smallint	0=dense 1=sparse
<b>DENSITY3</b>	smallint	0=dense 1=sparse
<b>DENSITY4</b>	smallint	0=dense 1=sparse
<b>DENSITY5</b>	smallint	0=dense 1=sparse
<b>POSITION1</b>	smallint	Stored by plan type.
<b>POSITION2</b>	smallint	
<b>POSITION3</b>	smallint	
<b>POSITION4</b>	smallint	
<b>POSITION5</b>	smallint	
<b>ENUM_ORDER1</b>	smallint	Smart list evaluation order by plan type
<b>ENUM_ORDER2</b>	smallint	
<b>ENUM_ORDER3</b>	smallint	
<b>ENUM_ORDER4</b>	smallint	
<b>ENUM_ORDER5</b>	smallint	
<b>DRIVER_DIM_ID</b>	integer	Associated driver dimension ID

# Hyperion Planning Table Definitions

## HSP\_DRIVER\_MEMBER

Each row describes a member formula for a member.

Column Name	Column Type	Description
<b>BASE_DIM_ID</b>	integer	FK(dimension) base dimension which the formula drives
<b>DIM_ID</b>	integer	FK(dimension) the driver dimension that this member belongs
<b>MEMBER_ID</b>	integer	FK(member)
<b>QUERY_TYPE</b>	integer	Function that describes the relationship to the member
<b>POSITION</b>	integer	Relative position of this driver member to other driver member values for this dimension

## HSP\_ENTITY

Rows describe the entities dimension members

Column Name	Column Type	Description
<b>ENTITY_ID</b>	integer	FK(member)
<b>DEFAULT_CURRENCY</b>	integer	FK(currency) default currency associated with entity
<b>USED_IN</b>	smallint	Bitmask of the plan types that use this dimension. Bitmask value is the sum of the Plantypes. i.e. 3= revenue & P&L, 7= revenue , P&L and balance sheet
<b>EMPLOYEE_ID</b>	Varchar(255)	ID of employee
<b>REQUISITION_NO</b>	Varchar(255)	Requisition number of "to-be-hired".
<b>ENTITY_TYPE</b>	smallint	0=none (default) 1=employee 2=department-general 3=TBH-input

# Hyperion Planning Table Definitions

## HSP\_ENUMERATION

A row in this table defines a smartlist.

Column Name	Column Type	Description
<b>ENUM_ID</b>	integer	FK(member) linked to the smartlist
<b>NAME</b>	integer	Non-translatable name that can be use in calculations
<b>LABEL</b>	smallint	Name shown to the end-user
<b>DISPLAY_ORDER</b>	Varchar(255)	0=by ID 1=by name 2=by label
<b>MISSING_LABEL</b>	Varchar(255)	Value to display when a data cell contains #Missing
<b>OVERRIDE_GRID_MISSING</b>	smallint	0=use for grid setting 1=use the missing label defined above
<b>AUTO_GEN_ID</b>		0=no auto generated IDs 1=auto gen IDs
<b>ALLOW_ENTRY_ON_THE_FLY</b>		0=not allowed 1=allow users to enter new values (AUTO_GEN must be set to 1)

## HSP\_ENUMERATION\_ENTRY

A row in this table defines a value within a smartlist that was defined in

Column Name	Column Type	Description
<b>ENUM_ID</b>	integer	FK(member) linked to the smartlist
<b>ENTRY_ID</b>	integer	ID of smartlist entry
<b>NAME</b>	Varchar(80)	Non-translatable name that can be use in calculations
<b>LABEL</b>	Varchar(255)	Name shown to the end-user

# Hyperion Planning Table Definitions

## HSP\_FORM

A row in this table describes a single form

Column Name	Column Type	Description
<b>FORM_ID</b>	integer	Internally generated id
<b>PRECISION1</b>	smallint	Number of decimals displayed for currency data
<b>PRECISION2</b>	smallint	Number of decimals displayed for non-currency data
<b>PRECISION3</b>	smallint	Number of decimals displayed for percentage data
<b>PRECISION_MIN1</b>	smallint	Minimum precision
<b>PRECISION_MIN2</b>	smallint	
<b>PRECISION_MIN3</b>	smallint	
<b>PRECISION_MAX1</b>	smallint	Maximum precision
<b>PRECISION_MAX2</b>	smallint	
<b>PRECISION_MAX3</b>	smallint	
<b>SCALING</b>	smallint	Scaling format of the displayed data
<b>FMT_PRECEDENCE</b>	smallint	Determines whether row formatting takes precedence over column. 0=row(default) 1=column
<b>FORM_TYPE</b>	smallint	1=standard 2=custom
<b>CUBE_ID</b>	integer	Object of the cube
<b>FORM_OPT</b>	integer	Display alias
<b>COLUMN_WIDTH</b>	integer	Default data cell column width

## HSP\_FORM\_ATTRIBUTES

Table indicates which attributes are to be displayed on the grid.

Column Name	Column Type	Description
<b>POSITION</b>	integer	Order of the attribute

## Hyperion Planning Table Definitions

		dimension
<b>FORM_ID</b>	integer	ID (from HSP_FORM) of the associated form
<b>DIM_ID</b>	integer	Dimension id from HSP_DIMENSIONS
<b>LOCATION</b>	integer	Placement of the attribute dimension
<b>ATT_DIM_ID</b>	integer	Attribute dimension id

### HSP\_FORM\_CALC

Table associates the Essbase calculation/business rules with the form.

Column Name	Column Type	Description
<b>FORM_ID</b>	integer	ID (from HSP_FORM) of the associated form
<b>CALC_ID</b>	integer	Id of calc script
<b>CALC_NAME</b>	Varchar(80)	Name of script
<b>PLAN_TYPE</b>	integer	Plan type associated with the calc script
<b>RUN_ON_LOAD</b>		0=no 1=yes
<b>RUN_ON_SAVE</b>		0=no 1=yes
<b>CALC_TYPE</b>		0=graphical HBR 1=Extended HBRcalc script 2=sequence HBR 3=native essbase
<b>USE_MRU</b>		Flag indicates whether to use sticky PV selections 0=no 1=yes
<b>HIDE_PROMPT</b>		0=no(default) 1=yes

### HSP\_FORM\_LAYOUT

A row describes the location for each dimension on the form

Column Name	Column Type	Description
<b>FORM_ID</b>	integer	ID (from HSP_FORM)

## Hyperion Planning Table Definitions

		of the associated form
<b>LAYOUT_TYPE</b>	smallint	0=POV 1=Page 2=Row 3=Column
<b>ORDINAL</b>	float	Sequence of the dimension on the axis
<b>DIM_ID</b>	integer	FK(dimension)
<b>STYLE</b>	integer	1=show dimensions in POV

### HSP\_FORM\_MENUS

Table stores menus associated with form definitions

Column Name	Column Type	Description
<b>POSITION</b>	integer	Order which menus are displayed
<b>FORM_ID</b>	integer	ID (from HSP_FORM) of the associated form
<b>MENU_ID</b>	smallint	FK(object) ID of associated menu

### HSP\_FORM\_VARIABLES

Table stores user variables used by form definitions.

Column Name	Column Type	Description
<b>POSITION</b>	integer	Order which menus are displayed
<b>FORM_ID</b>	integer	ID (from HSP_FORM) of the associated form
<b>VARIABLE_ID</b>	smallint	FK(user_variable) ID of the user variables

### HSP\_FORMOBJ\_DEF

Each row describes a single row, column or page definition.

Column Name	Column Type	Description
<b>OBJDEF_ID</b>	integer	ID of object definition
<b>FORM_ID</b>	integer	ID (from HSP_FORM)

## Hyperion Planning Table Definitions

		of the associated form
<b>OBJDEF_TYPE</b>	smallint	0=POV 1=Page 2=Row 3=Column
<b>LOCATION</b>	float	Physical location of this OBJ_DEF on a grid. Can be viewed as row/col number. POV is always =1
<b>STYLE</b>	integer	F(Form_Style)

### HSP\_FORMOBJ\_DEF\_MBR

Each row describes the selected member associated with the form object definition.

Column Name	Column Type	Description
<b>OBJDEF_ID</b>	integer	FK(formobj_def)
<b>ORDINAL</b>	float	maps to the ordinal field of FORM_LAYOUT. Used to determine the dimension
<b>MBR_ID</b>	integer	FK(MEMBER)
<b>QUERY_TYPE</b>	float	? = Children ? = IChildren ? = Descendants ? = IDescendants
<b>SEQUENCE</b>	float	Allows more than 1 member to be specified for a dimension.
<b>SUBST_VAR</b>	Varchar(80)	Essbase substitution variable name

### HSP\_FX\_RATE\_VALUES

Note: this table is no longer used

Column Name	Column Type	Description
<b>FX_TABLE_ID</b>	integer	FK(fx_table)
<b>FROM_CUR</b>	integer	FK(currency)
<b>TO_CUR</b>	integer	FK(currency)
<b>FP_START</b>	integer	Relative starting period

## Hyperion Planning Table Definitions

		to which the rates apply
<b>TP_END</b>	integer	Ending period that rates apply.
<b>AVG01</b>	float	Average rate for period 1
<b>END01</b>		Rate at the end of time period 1
<b>AVG02</b>		Average rate for period 2
<b>END02</b>		Rate at the end of time period 2
<b>AVG03</b>		
<b>END03</b>		
<b>AVG04</b>		
<b>END04</b>		
<b>AVG05</b>		
<b>END05</b>		
<b>AVG06</b>		
<b>END06</b>		
<b>AVG07</b>		
<b>END07</b>		
<b>AVG08</b>		
<b>END08</b>		
<b>AVG09</b>		
<b>END09</b>		
<b>AVG10</b>		
<b>END10</b>		
<b>AVG11</b>		
<b>END11</b>		
<b>AVG12</b>		
<b>END12</b>		
<b>AVG13</b>		
<b>END13</b>		

### HSP\_FX\_RATES

Each row describes an exchange rate between 2 currencies.

Column Name	Column Type	Description
<b>FX_TBL_ID</b>	integer	FK(fx_table)
<b>FROM_CUR</b>	integer	FK(currency)
<b>TO_CUR</b>	integer	FK(currency)



## Hyperion Planning Table Definitions

<b>TYPE</b>	smallint	1=input 2=inverse 3=implied
<b>METHOD</b>	smallint	1=multiply 2=divide
<b>HISTORICAL_RATE</b>	float	Historical exchange rate
<b>BEGBALANCE_RATE</b>	float	Beginning exchange rate

### HSP\_FX\_TABLES

Each row describes an exchange rate table

Column Name	Column Type	Description
<b>FX_TBL_ID</b>	integer	FK(object)
<b>CALENDAR_ID</b>	integer	FK(calendar) applies to the time periods specified in this calendar

### HSP\_FX\_VALUES

Column Name	Column Type	Description
<b>FX_TABLE_ID</b>	integer	FK(fx_table)
<b>FROM_CUR</b>	integer	FK(currency)
<b>TO_CUR</b>	integer	FK(currency)
<b>FP_START</b>	integer	Relative starting period to which the rates apply
<b>TP_END</b>	integer	Ending period that rates apply.
<b>AVG_VAL</b>	float	Average rate for period
<b>END_VAL</b>		Rate at the end of time period

### HSP\_GROUP

Each row has a planning group

## Hyperion Planning Table Definitions

Column Name	Column Type	Description
<b>GROUP_ID</b>	integer	FK(object)
<b>SID</b>	Varchar(256)	Security token identifier

### HSP\_LINKS

Stores URL links based on user type.

Column Name	Column Type	Description
<b>LINK_ID</b>	integer	ID is auto generated
<b>USER_TYPE</b>	smallint	1=planner 2=interactive 3=admin
<b>LINK_NAME</b>	Varchar(80)	Name of URL
<b>LINK_URL</b>	Varchar(255)	URL
<b>LINK_DESC</b>	Varchar(255)	Description for URL

### HSP\_LOCK

Tracks Component locking.

Column Name	Column Type	Description
<b>OBJECT_ID</b>	integer	ID of object being locked
<b>SESSION_ID</b>	integer	Id of session holding the lock
<b>USER_ID</b>	integer	FK(users) User holding the lock

### HSP\_MEMBER

Each row stores a dimension member.

Column Name	Column Type	Description
<b>MEMBER_ID</b>	integer	FK(object)
<b>DIM_ID</b>	smallint	FK(dimension)
<b>CONSOL_OP1</b>	smallint	Essbase consolidation attribute for Revenue plan type 0=add 1=subtract

## Hyperion Planning Table Definitions

		2=multiply 3=divide 4=percentage 5=ignore
<b>CONSOL_OP2</b>	smallint	Essbase consolidation attribute for P&L plan type
<b>CONSOL_OP3</b>	smallint	Essbase consolidation attribute for Bal sheet plan type
<b>CONSOL_OP4</b>	smallint	Essbase consolidation attribute for WF plan type
<b>CONSOL_OP5</b>	smallint	Essbase consolidation attribute for CapEx plan type
<b>DATA_STORAGE</b>	smallint	Essbase data storage attribute 0=store data 1=never share 2=label only 3=shared member 4=dynamic calc & store 5=dynamic
<b>TWOPASS_CALC</b>	smallint	Essbase two pass calculation attribute 0=no 1=yes
<b>USED_FOR_CONSOL</b>	smallint	Member used for consolidation purposes 0=no (default) 1=yes
<b>HAS_MBR_FX</b>	smallint	Has a member formula 0=no 1=yes
<b>BASE_MBRID</b>	integer	FK(object)In the case of shared members, this is the corresponding base member ID
<b>ENABLED_FOR_PM</b>	smallint	Indicates if member participates in process mgmt
<b>PS_MEMBER_ID</b>	integer	Identifies if member is used for WF or CAPEX

## Hyperion Planning Table Definitions

<b>ENUMERATION_ID</b>	integer	FK(enumeration) Reference to smartlist
<b>DATA_TYPE</b>	smallint	0=unspecified 1=currency 2=non currency 3=percentage 4=enum 5=date 6=text

### HSP\_MEMBER\_FORMULA

Stores the member formula for a member.

Column Name	Column Type	Description
<b>MEMBER_ID</b>	integer	FK(member)
<b>FORMULA</b>	ntext	Contents of formula

### HSP\_MEMBER\_TO\_ATTRIBUTE

Each row links a standard dimension member to an attribute value. A member can be linked to only a single value for an attribute dimension.

Column Name	Column Type	Description
<b>MEMBER_ID</b>	integer	FK(member)
<b>ATTR_ID</b>	integer	FK(attribute_dim)
<b>ATTR_MEM_ID</b>	integer	FK(attribute_member)
<b>PERSPECTIVE1</b>	integer	ID that identifies independent member
<b>PERSPECTIVE2</b>	integer	ID that identifies independent member

### HSP\_MEMBER\_TO\_UDA

Rows describe the member to UDA association. A member can have only one association per UDA.

Column Name	Column Type	Description
<b>MEMBER_ID</b>	integer	FK(member)
<b>UDA_ID</b>	integer	FK(UDA)

# Hyperion Planning Table Definitions

## HSP\_MENU\_ITEMS

Table stores user defined menus that appear when the user right clicks a grid.

Column Name	Column Type	Description
<b>MENU_ITEM_ID</b>	integer	ID of menu item
<b>MENU_ID</b>	integer	FK(object)
<b>LABEL</b>	Varchar(255)	Name shown to user
<b>ICON</b>	Varchar(255)	Path to icon resource file
<b>MENU_ITEM_TYPE</b>	integer	0=menu or submenu or separator 1=URL 2=data entry form 3=business rule
<b>REQUIRED_DIM_ID</b>	integer	References the dimension that is required to be clicked on before menu appears. NULL = no required dimension
<b>OPEN_IN_NEW_WINDOW</b>	smallint	0=no 1=yes Based on MENU_ITEM_TYPE
<b>INT_PROP1</b>	integer	Numeric properties associated with menu item
<b>INT_PROP2</b>	integer	
<b>INT_PROP3</b>	integer	
<b>STR_PROP1</b>	Varchar(255)	Text properties associated with menu item
<b>STR_PROP2</b>	Varchar(255)	
<b>STR_PROP3</b>	Varchar(255)	
<b>STR_PROP4</b>	Varchar(255)	

## HSP\_MRU\_MEMBERS

Used to track user POV settings for data entry.

## Hyperion Planning Table Definitions

Column Name	Column Type	Description
<b>USER_ID</b>	integer	FK(users)
<b>DIM_ID</b>	integer	FK(dimension)
<b>MEMBER_ID</b>	integer	FK(member)

### HSP\_OBJECT

Each row contains a Planning object. Every Planning object can be found here. The key is OBJECT\_ID.

Column Name	Column Type	Description
<b>OBJECT_ID</b>	integer	Internally generated ID
<b>OBJECT_NAME</b>	Varchar(80)	Name for the object
<b>DESCRIPTION</b>	integer	FK(strings)
<b>OBJECT_TYPE</b>	smallint	FK(object_type)
<b>PARENT_ID</b>	integer	FK(object)
<b>OWNER_ID</b>	integer	FK(object)
<b>GENERATION</b>	integer	Generation number for object
<b>POSITION</b>	float	Relative position within the hierarchy to other objects
<b>HAS_CHILDREN</b>	smallint	0=no children 1=has children
<b>CREATED</b>	datetime	when created
<b>MODIFIED</b>	datetime	When last modified
<b>MOVED</b>	datetime	When last moved
<b>OLD_NAME</b>	Varchar(80)	Used when renaming members. OBJECT_NAME & OLD_NAME are always equal unless there is a rename. In that case, they are set to the same after the refresh.
<b>SECCLASS_ID</b>	integer	Not used
<b>MARKED_FOR_DELETE</b>	smallint	0=not marked 1=marked
<b>REMOVABLE</b>	smallint	0=no 1=yes

# Hyperion Planning Table Definitions

## HSP\_OBJECT\_TYPE

List of the planning object types.

Column Name	Column Type	Description
<b>OBJECT_TYPE</b>	integer	1=hierarchy node (folder) 2=dimension 3=attribute dimension 4=calendar 5=user 6=group 7=form 8=FX table 9=currency 10=alias 11=cube 12=planning unit 13=planning unit history 14=annotation 15=access control 16=supporting detail 17=user preferences 18=account annotations 30=attribute member 31=category 32=account 33=entity 34=time period 35=version 37=currency member 38=year 45=shared member 50=user defined dimension member
<b>TYPE_NAME</b>	integer	Name for the object type

## HSP\_PENDING\_DELS

Used by the refresh process. The content and function of this table changes dramatically between version particularly pre & post 9.3.

## Hyperion Planning Table Definitions

Column Name	Column Type	Description
<b>OBJECT_ID</b>	integer	FK(object)

### HSP\_PENDING\_XACTS

Used by the refresh process. The content and function of this table changes dramatically between version particularly pre & post 9.3.

Column Name	Column Type	Description
<b>OBJECT_ID</b>	integer	FK(object)
<b>PLAN_TYPE</b>	integer	FK(plan_type)
<b>XACT_TYPE</b>	integer	Transaction type 0=delete 1=add
<b>XACT_DATE</b>	datetime	When object was deleted
<b>OBJECT_NAME</b>	Varchar(80)	Name of member to delete
<b>OLD_NAME</b>	Varchar(80)	Old name of member to delete
<b>SRC_MBR</b>	integer	Object type of object

### HSP\_PLAN\_TYPE

List of the plan types for the application.

Column Name	Column Type	Description
<b>PLAN_TYPE</b>	integer	FK(cube)
<b>TYPE_NAME</b>	Varchar(40)	Name for plan type

### HSP\_PLANNING\_UNIT

Used to track planning units (scenario, version, entity) and their process state for PM.

Column Name	Column Type	Description
<b>PLAN_UNIT_ID</b>	integer	Internally generated ID
<b>SCENARIO_ID</b>	integer	FK(dimension)
<b>VERSION_ID</b>	integer	FK(dimension)
<b>ENTITY_ID</b>	integer	FK(dimension)
<b>OWNER_ID</b>	integer	FK(users)
<b>ORIGINATOR_ID</b>	integer	FK(dimension)



## Hyperion Planning Table Definitions

<b>PREV_OWNER_ID</b>	integer	FK(dimension)
<b>LAST_ACTION</b>	smallint	0=promote 1=reject 2=approve 3=signoff 4=start 5=exclude
<b>PROCESS_STATE</b>	smallint	Current process state of planning unit 0=not started 1=first pass 2=under review 3=approved 4=signed off 5=not signed off

### HSP\_PLANNING\_UNIT\_LOG

Used to track history of the planning unit process state changes for PM.

Column Name	Column Type	Description
<b>PLAN_UNIT_ID</b>	integer	Internally generated ID
<b>LOG_SEQ</b>	integer	Sequence of actions
<b>AUTHOR_ID</b>	integer	FK(users) use who performed the actions
<b>ACTION</b>	smallint	0=promote 1=reject 2=approve 3=signoff 4=start 5=exclude
<b>PROCESS_STATE</b>	smallint	Current process state at the time of the action 0=not started 1=first pass 2=under review 3=approved 4=signed off 5=not signed off
<b>STATUS_CHANGED</b>	datetime	Time of change

# Hyperion Planning Table Definitions

## HSP\_PM\_ACTIONS

Defines process management actions

Column Name	Column Type	Description
<b>ACTION_ID</b>	integer	ID of action
<b>NAME</b>	Varchar(80) not null unique	Name of action (must be unique)
<b>MODIFIABLE</b>	smallint	Whether user can modify =no 1=yes
<b>PROPAGATE_TO</b>	integer	
<b>POSITION</b>	integer	Indicates display order

## HSP\_PM\_EFFECTS

Defines process management effects of transitioning into a state.

Column Name	Column Type	Description
<b>EFFECT_ID</b>	integer	ID of STATE
<b>NAME</b>	Varchar(80) not null unique	Name of EFFECT (must be unique)
<b>EFFECT_ACTIONS</b>	integer	Actions performed on this effect 0=audit action (send to table history) 1=audit indirect(eg, rollup, indirect, send to history table) 2=send e-mail notification
<b>EMAIL_FROM</b>	integer	1=other 2=previous owner 4=new owner 8=actor\16=app owner
<b>EMAIL_FORM_OTHER</b>	integer	Email address to use when email_from = Other
<b>EMAIL_TO</b>		1=other 2=previous owner 4=new owner

## Hyperion Planning Table Definitions

		8=actor\16=app owner
<b>EMAIL_TO_OTHER</b>		Email address to use when email_to = Other
<b>MESSAGE_TYPE</b>		0=use change status message 1=use message_other
<b>MESSAGE_OTHER</b>		Message to use when message_type = other

### HSP\_PM\_RULES

Defines process management transition rules between states.

Column Name	Column Type	Description
<b>FROM_STATE_ID</b>	integer	ID of initial state
<b>CHANGEABLE_BY</b>	nteger	0=owner 1=anyone with access 2=admin 3=no one
<b>ACTION_ID</b>	integer	ID action performed
<b>STATE_ID</b>	integer	ID of new state after performing action
<b>NEW_OWNER</b>	integer	0=owner 1=anyone with access 2=admin 3=no one 4=self
<b>SCENARIO_ID</b>	integer	scnario rule is bound 0=all scenario
<b>EFFECT_ID</b>	integer	ID of effect to apply for rules

### HSP\_PM\_STATES

Defines process management states

Column Name	Column Type	Description
<b>STATE_ID</b>	integer	ID of state
<b>NAME</b>	Varchar(80) not null unique	Name of state (must be unique)
<b>MODIFIABLE</b>	smallint	Whether user can

## Hyperion Planning Table Definitions

		modify =no 1=yes
<b>AFFECTED</b>	smallint	Indicates whether changes to parent or child can affect state via propagation 0=no 1=yes
<b>PRECEDENCE</b>	integer	Order of state. Used to determine the state of the parent with mixed state children.
<b>COLOR</b>	Varchar(80)	Name of color for state. Null=black

### HSP\_PRINT\_OPTS

Contains the PDF print options for a given user or form. If user is used, all forms have the same print option. If no user option is specified then the form print format is used.

Column Name	Column Type	Description
<b>OBJECT_ID</b>	integer	FK(object)
<b>ORIENTATION</b>	Varchar(255)	0=portrait 1=landscape
<b>FONT</b>	integer	Font used for printing
<b>FONT_SIZE</b>	integer	Base font. Default = 8
<b>ROW_HEADER_WIDTH</b>	integer	% of screen used for row hdr. 35=default
<b>NUM_DATA_COLS</b>	smallint	6=default
<b>REPEAT_HEADER</b>	smallint	0=no 1=yes (default)
<b>FORMAT_DATA</b>	smallint	Whether to apply currency formatting 0=no 1=yes (default)
<b>LIMIT_PRECISION</b>	smallint	Apply precision defined in form

## Hyperion Planning Table Definitions

		0=no (default) 1=yes
<b>SHOW_SUPPORT</b>	smallint	Show supporting dtl. 0=no (default) 1=yes
<b>SHOW_ADESC</b>	smallint	Show account descriptions 0=no 1=yes (default)
<b>SHOW_ATTRIB</b>	smallint	Show attributes 0=no 1=yes (default)
<b>SHOW_CURRENCY</b>	smallint	Show currency cells 0=no 1=yes (default)
<b>PAGE_SIZE</b>	Varchar(255)	Page size for printing . default = A4
<b>HEADER_SHADE</b>	smallint	0=no (default) 1=yes
<b>SHOW_CELL_NOTE</b>	smallint	0=no (default) 1=yes

### HSP\_SCENARIO

Stores the scenario properties for each scenario member in the application.

Column Name	Column Type	Description
<b>SCENARIO_ID</b>	integer	FK(member)
<b>START_YR_ID</b>	integer	FK(member) start year for scenario
<b>START_TP_ID</b>	integer	FK(time_period) start month
<b>END_YR_ID</b>	integer	FK(member) ending year
<b>END_TP_ID</b>	integer	FK(time_period) ending month
<b>FX_TABLE</b>	integer	FK(fx_table)
<b>USEBEGBALANCE</b>	smallint	0=no 1=yes
<b>ENABLEPORPM</b>	smallint	0=no 1=yes

# Hyperion Planning Table Definitions

## HSP\_STRINGS

Column Name	Column Type	Description
<b>STRING_SEQ</b>	integer	Internally generated ID
<b>LANGUAGE</b>	smallint	Unique for each language. This is the MSFT language ID
<b>THE_STRING</b>	Nvarchar(254)	A string in the given language. THE_STRING is in Unicode.

## HSP\_SYSTEMCFG

System level information for application

Column Name	Column Type	Description
<b>VERSION</b>	integer	version number for databasev
<b>RELEASE</b>	integer	Release number for database
<b>OFFICIAL_TARGETS</b>	integer	Number of official target versions
<b>OFFICIAL_BUPS</b>	integer	Number of personal bottom up versions
<b>MAX_PER_USER</b>	integer	Maximum personal versions allowed per users
<b>BOOL_TRUE</b>	integer	String value corresponding to the attribute true
<b>BOOL_FALSE</b>	integer	String value corresponding to the attribute false
<b>CALC_SUM</b>	integer	String value corresponding to the attribute Sum
<b>CALC_COUNT</b>	integer	String value corresponding to the attribute Count

## Hyperion Planning Table Definitions

<b>CALC_MIN</b>	integer	String value corresponding to the attribute Min
<b>CALC_MAX</b>	integer	String value corresponding to the attribute Max
<b>CALC_AVG</b>	integer	String value corresponding to the attribute Average
<b>DATE_FMT</b>	Varchar(32)	Date format string eg. Mm/dd/yyyy
<b>QUALIFIER</b>	smallint	0=none 1=prefix 2=suffix
<b>QUALIFIER_TYPE</b>	smallint	0=none 1=parent 2=grandparent 3=ancestors
<b>MULTI_CURRENCY</b>	smallint	0=no 1=yes
<b>DEF_CUR_ID</b>	integer	FK(currency)
<b>PLAN_TYPES</b>	smallint	Bitmask of the plan types that use this dimension. Bitmask value is the sum of the Plantypes. i.e. 3= revenue & P&L, 7= revenue , P&L and balance sheet
<b>LAST_VERSION_IDX</b>	integer	Last used version index
<b>SUPPORT445</b>	smallint	0=none 1=445 2=454 3=544
<b>EMAIL_SERVER</b>	Varchar(255)	url or IP for mail server
<b>MULTI_CURRENT</b>	smallint	Multi-currency 0-no 1=yes
<b>SHARED_MEMBER_SEC</b>	smallint	When enabled take into account security applied for parent of shared member. 0=no 1=yes

## Hyperion Planning Table Definitions

<b>OTLCHGD</b>	smallint	Track when there are changes to the outline 0=no 1=yes
<b>USERSUPDATE</b>	datetime	When last change was applied
<b>USEFULLNAME</b>	smallint	Display users full name 0=no (default) 1=yes
<b>CSS_VERSION</b>	smallint	Support CSS version 0=none, otherwise css version
<b>EIE_SERVER</b>	Varchar(255)	URL to eie server
<b>ESS_DEF_PSWD</b>	Varchar(30)	Essbase default password when adding users. Default = 'password'
<b>LOGIN_LEVEL</b>	integer	Indicates allowable password 0=planner 1=interactive 2=admin (default) 3=owner
<b>MODULE_SUPPORTED</b>	integer	To indicate supported modules
<b>MODULE_ENABLED</b>	integer	Flag to indicate enabled modules
<b>WF_VERSION</b>	smallint	Workforce version
<b>WF_KEY</b>		Workforce key
<b>WF_OPTIONS</b>		Workforce options
<b>EMAIL_CHARSET</b>		Encoding for sending emails UTF-8 or system locale
<b>TI_OPTIONS</b>		Flag for task list options
<b>REF_APP</b>		0=normal 1=reference app

### HSP\_TASK

Table contains a list of variables that may be used in a form definition.

Column Name	Column Type	Description
-------------	-------------	-------------



## Hyperion Planning Table Definitions

<b>TASK_ID</b>	integer	Task identifier
<b>TASK_ID_LIST</b>	integer	Task list identifier
<b>TASK_TYPE</b>	integer	Type of task 0=descriptive 1=URL 2=Web Form 3=business rule 4=workflow
<b>DUE_DATE</b>	datetime	Date/time task is due
<b>ALERT_DATE</b>	datetime	Date/time at which to send an alert to user
<b>INSTRUCTIONS</b>	Varchar(2000)	
<b>DEPENDANCY</b>	integer	Identifier of dependant task
<b>ALERT_FREQUENCY</b>	Big int	Frequency of alerts
<b>OVERDUE_FREQUENCY</b>	Big int	Frequency of overdue alerts
<b>INT_PROP1</b>	Integer	Auxiliary info about the task depends on task type
<b>STR_PROP1</b>	Varchar(255)	
<b>INT_PROP2</b>	Integer	

### HSP\_TEXT\_CELL\_VALUE

Table contains the text cell value to numeric mappings.

Column Name	Column Type	Description
<b>TASK_ID</b>	integer	Internally generated ID
<b>VALUE</b>	Varchar(255)	Text message associated with the ID

### HSP\_TIME\_PERIOD

Each row in this table describes a member of the time perion dimension.

Column Name	Column Type	Description
<b>TP_ID</b>	integer	FK(MEMBER) Time period identifier.
<b>PERIOD</b>	integer	Index of time periods. Leaf members are 1 through N. All others are 0.

## Hyperion Planning Table Definitions

<b>TYPE</b>	smallint	0=leaf 1=rollup 2=year 4= DTS
-------------	----------	--

### HSP\_UDA

Each row describes a UDA for a dimension. Dimensions can have multiple UDA's but UDA's must be unique within a dimension.

Column Name	Column Type	Description
<b>UDA_ID</b>	integer	Internally generated UDA identifier
<b>DIM_ID</b>	integer	FK(DIMENSION) this is the dimension that this UDA belongs
<b>UDA_VALUE</b>	Varchar(80)	Value of the UDA

### HSP\_UNIQUE\_NAMES

There is a row for every member name & alias in Essbase. The table ensures the uniqueness required by Essbase.

Column Name	Column Type	Description
<b>OBJECT_ID</b>	integer	FK(OBJECT)
<b>OBJECT_NAME</b>	Varchar(80)	Name of the object

### HSP\_USER\_PREFS

Contains the user planning web preferences

Column Name	Column Type	Description
<b>USER_ID</b>	integer	FK(USERS) object Id for user or group
<b>EMAIL</b>	Varchar(255)	email address of user
<b>EMAIL_ENABLE</b>	Smallint	0=enable 1=disable
<b>EMAIL_OPTIONS</b>	Integer	Determines how email notification is done
<b>LANG_CODE</b>	Varchar(2)	
<b>COUNTRY_CODE</b>	Varchar(2)	
<b>THOUSAND_SEP</b>	Smallint	
<b>DECIMAL_SIGN</b>	Smallint	

## Hyperion Planning Table Definitions

<b>NEGATIVE_SIGN</b>	Smallint	
<b>NEGATIVE_COLOR</b>	Smallint	
<b>PM_OPTIONS</b>	integer	
<b>ALIASTBL_ID</b>	Integer	
<b>ENABLE_MRU</b>	Smallint	
<b>FORM_WARNING</b>	Integer	
<b>PAGE_SIZE</b>	Integer	
<b>PAGE_SEARCH</b>	Integer	
<b>MBRSEL_ALIAS_ENABLE</b>	Smallint	
<b>MBRSEL_DESC_ENABLE</b>	Smallint	
<b>USER_MODE</b>	Smallint	
<b>MRU_SCREEN_PROPS</b>	Varchar(1500)	
<b>MRU_USER_MODE</b>	smallint	0=basic 1=advanced (default) 2=admin

### HSP\_USER\_TASKS

Tracks tasks when completed or alert sent

Column Name	Column Type	Description
<b>TASK_ID</b>	integer	FK(USER_VARIABLE)
<b>USER_ID</b>	integer	Fk(USER)
<b>COMPLETED_DATE</b>	datetime	When task was completed
<b>ALERT_SENT_DATE</b>	datetime	When alert was sent

### HSP\_USER\_VARIABLE

Contains a list of variables that may be used in a form definition

Column Name	Column Type	Description
<b>VARIABLE_ID</b>	integer	Variable ID
<b>DIM_ID</b>	Smallint	Fk(DIMENSION)
<b>VARIABLE_NAME</b>	Smallint	Name of variable

### HSP\_USER\_VARIABLE\_VALUE

Contains a the associated variable value on a per user basis.

## Hyperion Planning Table Definitions

Column Name	Column Type	Description
<b>VARIABLE_ID</b>	integer	Variable ID
<b>USER_ID</b>	integer	Fk(USERS)
<b>MEMBER_ID</b>	integer	Fk(MEMBERS)

### HSP\_USERS

Each row has a user with some access to the application

Column Name	Column Type	Description
<b>USER_ID</b>	integer	FK(OBJECT)
<b>SID</b>	Varchar(255)	Security identifier
<b>ROLE</b>	integer	0=admin 1=planner 2=interactive 3=owner
<b>SYNC_PSWD</b>	smallint	0=don't sync essbase Pw with NT 1=sync essbase with NT
<b>OFFLINE_ENABLED</b>	smallint	0=no 1=yes
<b>HUB_ROLES</b>	integer	Default =0

### HSP\_USERSINGROUP

Each row has a user associated with the group.

Column Name	Column Type	Description
<b>GROUP_ID</b>	integer	FK(OBJECT)
<b>USER_ID</b>	integer	FK(USERS)

### HSP\_VERSION

Stores the version properties for each version member in the application.

Column Name	Column Type	Description
<b>VERSION_ID</b>	integer	FK(MEMBER)
<b>VERSION_TYPE</b>	Smallint	0=Personal 1=Official BU 2=Official Target

## Hyperion Planning Table Definitions

<b>ACCESS_TYP</b>	Smallint	0=Private 1=Public
<b>IN_USE</b>	Smallint	0=no 1=yes
<b>DATE_IN_USE</b>	DateTime	Date version claimed for use
<b>ENABLEFORPM</b>	Smallint	0=no 1=yes

### Sample Queries

The queries were written for SQLServer. They use the “CASE” statement. To modify the queries for ORACLE, use the DECODE statement in place of CASE.

For example, in the query below, replace the case statement that is between the 2 green comment lines with the following:

```
-- begin decode snippet
Decode(M.consol_op3, 0, '+'
        , 1, '-'
        , 2, '*'
        , 3, '/'
        , 4, '%'
        , 5, '~'
        , 6, '^') consol_value,

-- end decode

SELECT O.OBJECT_ID,
       O.OBJECT_NAME MEMBER_NAME,
       (select oa.object_name
        from HSP_ALIAS A,
             HSP_OBJECT OA
        where a.member_id = o.object_id
              and oa.object_id = a.alias_id) Alias_name,
       -- begin case statement
       case M.consol_op3
         When 0 then '+'
         When 1 then '-'
         When 2 then '*'
         When 3 then '\'
         When 4 then '%'
         When 5 then '^'
         When 6 then '~'
       end as consol_value,
       -- end of case
       PO.PARENT_ID,
       PO.OBJECT_NAME PARENT_NAME,
```

# Hyperion Planning Table Definitions

```
PO.OBJECT_TYPE
FROM HSP_OBJECT PO,
     HSP_OBJECT O,
     HSP_MEMBER M
where PO.OBJECT_ID = O.PARENT_ID
      and M.member_id = O.object_id
      and O.Object_Type = 33
```

## **QUERY1: Account member**

The query returns parent/child for each member along with most of the attributes. This query can be used for dimensions other than account except the account properties will not apply. The final line “O.Object\_Type = 32” references the Account object type. You can re-point this other standard dimensions. There is a special query for custom dimensions.

**Note: change, add or delete consolidation columns depending on your needs. For brevity, consolidation for database #3 (M.Consol\_Op3) is specified. Add addition blocks as required.**

```
SELECT O.OBJECT_ID,
       O.OBJECT_NAME MEMBER_NAME,
       (select oa.object_name
        from HSP_ALIAS A,
             HSP_OBJECT OA
        where a.member_id = o.object_id
              and oa.object_id = a.alias_id) Alias_name,

       PO.OBJECT_NAME PARENT_NAME,
       case M.consol_op3
         When 0 then '+'
         When 1 then '-'
         When 2 then '*'
         When 3 then '\'
         When 4 then '%'
         When 5 then '^'
         When 6 then '~'
         end as consol,
       Case M.DATA_STORAGE
         When 0 then 'Store Data'
         When 1 then 'Never Share'
         When 2 then 'Label Only'
         When 3 then 'Shared Member'
         When 4 then 'Dynamic Calc and Store'
         When 5 then 'Dynamic'
       End STORAGE,
       Case M.TWOPASS_CALC
         When 0 then 'No'
         When 1 then 'Yes'
       End TWOPASS,
```

# Hyperion Planning Table Definitions

```
PO.OBJECT_TYPE,
  Case AA.USE_445
    When 0 then 'NONE'
    When 1 then '445'
    When 2 then '454'
    When 3 then '544'
    else ''
  End SPREAD_TYPE,
  Case AA.TIME_BALANCE
    When 0 then 'NONE'
    When 1 then 'FIRST'
    When 2 then 'LAST'
    When 3 then 'AVERAGE'
    else ''
  End TIME_BALANCE,
  Case AA.SKIP_VALUE
    When 0 then 'NONE'
    When 1 then 'Skip missing'
    When 2 then 'Skip zeroes'
    When 3 then 'skip missing and zeroes'
    else ''
  End SKIP_VALUE,
  Case AA.ACCOUNT_TYPE
    When 1 then 'EXPENSE'
    When 2 then 'REVENUE'
    When 3 then 'ASSET'
    When 4 then 'LIABILITY'
    When 5 then 'EQUITY'
    When 6 then 'STATISTICAL'
    When 7 then 'SAVED ASSUMPTION'
    else ''
  End ACCOUNT_TYPE,
  Case AA.VARIANCE_REP
    When 1 then 'EXPENSE'
    When 2 then 'NON EXPENSE'
    else ''
  End VARIANCE_REP,
  Case AA.CURRENCY_RATE
    When 0 then 'None'
    When 1 then 'Average'
    When 2 then 'Ending'
    When 3 then 'Historical'
    else ''
  End CURRENCY_RATE,
AA.USED_IN,
  Case M.DATA_TYPE
    When 1 then 'Currency'
    When 2 then 'Non Currency'
    When 3 then 'Percentage'
    else ''
  End DATA_TYPE,
  Case AA.SRC_PLAN_TYPE
    When 0 then 'NA'
```

# Hyperion Planning Table Definitions

```

When 1 then 'Revenue'
When 2 then 'Net Income'
When 4 then 'Balance Sheet'
End SRC_PLAN_TYPE

FROM HSP_OBJECT PO,
     HSP_OBJECT O,
     HSP_MEMBER M,
     HSP_ACCOUNT AA

where PO.OBJECT_ID = O.PARENT_ID
and M.member_id = O.object_id
and AA.ACCOUNT_ID = O.OBJECT_ID
and O.Object_Type = 32

```

## Partial query result

	OBJECT_ID	MEMBER_NAME	Alias_name	PARENT_NAME	consol	STORAGE	TWJPASS	OBJECT_TYPE	SPEAD_TYPE	TIME_BAL
1	50005	Balance Sheet	NULL	Account	+	Dynamic	No	2	NONE	LAST
2	50066	Assets	Total Assets	Balance Sheet	+	Store Data	No	32	NONE	LAST
3	50068	Current Assets	Total Current Assets	Assets	+	Store Data	No	32	NONE	LAST
4	50070	Cash and Investments	Total Cash	Current Assets	+	Store Data	No	32	NONE	LAST
5	50072	10000	Cash	Cash and Investments	+	Store Data	No	32	NONE	LAST
6	50074	10100	Investments	Cash and Investments	+	Store Data	No	32	NONE	LAST
7	50076	Net AR	Net Accounts Receivable	Current Assets	+	Store Data	No	32	NONE	LAST
8	50078	11000	Accounts Receivable	Net AR	+	Store Data	No	32	NONE	LAST
9	50080	11010	AR Trace	11000	+	Store Data	No	32	NONE	LAST

## QUERY2: Custom dimension member

The query returns parent/child for each member along consolidation, data storage and two pass indicators. This query can be used for dimensions other than account except the account properties will not apply. The final line "M.Dim\_ID = 50055" references a custom dimension object. Re-point this based on your needs.

**Note:** change, add or delete consolidation columns depending on your needs. For brevity, consolidation for database #3 (M.Consol\_Op3) is specified. Add addition blocks as required.

```

SELECT O.OBJECT_ID,
       O.OBJECT_NAME MEMBER_NAME,
       (select oa.object_name
        from HSP_ALIAS A,
             HSP_OBJECT OA
        where a.member_id = o.object_id
              and oa.object_id = a.alias_id) Alias_name,
       PO.PARENT_ID,
       case M.consol_op3
         when 0 then '+'
         when 1 then '-'
         when 2 then '*'

```



# Hyperion Planning Table Definitions

```

        When 3 then '\ '
        When 4 then '% '
        When 5 then '^ '
        When 6 then '~ '
        end as consol,
    Case M.DATA_STORAGE
        When 0 then 'Store Data'
        When 1 then 'Never Share'
        When 2 then 'Label Only'
        When 3 then 'Shared Member'
        When 4 then 'Dynamic Calc and Store'
        When 5 then 'Dynamic'
    End STORAGE,
    Case M.TWOPASS_CALC
        When 0 then 'No'
        When 1 then 'Yes'
    End TWOPASS,

    PO.OBJECT_NAME PARENT_NAME,
    PO.OBJECT_TYPE
FROM HSP_OBJECT PO,
     HSP_OBJECT O,
     HSP_MEMBER M

where PO.OBJECT_ID = O.PARENT_ID
and M.member_id = O.object_id
and M.Dim_ID = 50055

```

	OBJECT_ID	MEMBER_NAME	Alias_name	PARENT_ID	consol	STORAGE	TWOPASS	PARENT_NAME	OBJECT_TYPE
1	50055	Customers	NULL	1	^	Never Share	No	Dimensions	1
2	50284	Comma	Comma Phone Stores	2	+	Store Data	No	Customers	2
3	50286	Disc Stores	Discount Stores	2	+	Store Data	No	Customers	2
4	50288	Freds	NULL	50055	+	Store Data	No	Disc Stores	50
5	50289	Smartmart	NULL	50055	+	Store Data	No	Disc Stores	50
6	50290	Good Buy	NULL	50055	+	Store Data	No	Disc Stores	50
7	50291	Price Mart	NULL	50055	+	Store Data	No	Disc Stores	50
8	50292	Power Price	NULL	50055	+	Store Data	No	Disc Stores	50
9	50293	Cellular	Cellular Customers	2	+	Store Data	No	Customers	2
10	50295	Horizon Wireless	NULL	50055	+	Store Data	No	Cellular	50
11	50296	Mercury Cellular	NULL	50055	+	Store Data	No	Cellular	50
12	50297	Electronic Stores	NULL	2	+	Store Data	No	Customers	2

## QUERY3: Smart lists

The query returns all smart list names and the members for each list.

```

SELECT      A.ENUMERATION_ID , A.Name as SMART_LIST_NAME,
           B.ENTRY_ID, B.NAME, B.Label
FROM        HSP_ENUMERATION as A INNER JOIN
           HSP_ENUMERATION_ENTRY as B ON
           A.ENUMERATION_ID = B.ENUMERATION_ID
Order by   A.ENUMERATION_ID, B.ENTRY_ID
Smartlist output

```

## Hyperion Planning Table Definitions

	ENUMERATION_ID	SMART_LIST_NAME	ENTRY_...	NAME	Label
1	1	Project_Type	1	Confirmed	Confirmed
2	1	Project_Type	2	Probable	Probable
3	1	Project_Type	3	Possible	Possible

### QUERY 4: Member Access

The query returns Planning for members and forms.

```

SELECT  O.OBJECT_NAME MEMBER,
        (select OA.OBJECT_NAME
         from HSP_OBJECT          OA
         where OA.OBJECT_ID = AC.USER_ID) LOGIN_ID,
        Case AC.ACCESS_MODE
          When 1 then  'READ'
          When 3 then  'WRITE'
          When -1 then 'DENY'
        End as ACCESS_MODE,
        Case AC.FLAGS
          When 0 then 'MEMBER'
          When 5 then 'CHILDREN'
          When 6 then 'ICHILREN'
          When 8 then 'DESCENDANTS'
          When 9 then 'IDESCENDANTS'
        End as ACCESS_LEVEL,
        OT.TYPE_NAME
From    HSP_OBJECT          O,
        HSP_ACCESS_CONTROL AC,
        HSP_OBJECT_TYPE OT
where   O.OBJECT_ID = AC.OBJECT_ID and
        O.OBJECT_TYPE = OT.OBJECT_TYPE
    
```

Sample Member Access Query Results

	MEMBER	LOGIN_ID	ACCESS_MODE	ACCESS_LEVEL	TYPE_NAME
1	Cash Input	admin	WRITE	MEMBER	Form
2	Sales Input	admin	WRITE	MEMBER	Form
3	Project Input	admin	WRITE	MEMBER	Form
4	No Account	Predict	READ	IDESCENDANTS	Account
5	Balance Sheet	testgroup	WRITE	IDESCENDANTS	Account
6	Cash Flow	testgroup	READ	IDESCENDANTS	Account
7	No Account	testgroup	READ	IDESCENDANTS	Account

### QUERY 5: Member to Attribute

The query returns the attributes assigned to the Planning members. Re-pointing mb.dim\_id will restrict the result set to a specific dimension.

# Hyperion Planning Table Definitions

```

SELECT O.OBJECT_ID,
       O.OBJECT_NAME MEMBER_NAME,
       (select oa.object_name
        from HSP_ALIAS A,
             HSP_OBJECT OA
        where a.member_id = o.object_id
             and oa.object_id = a.alias_id) Alias_name,
       PO.PARENT_ID,
       PO.OBJECT_NAME PARENT_NAME,
       PO.OBJECT_TYPE,
       M.ATTR_MEM_ID,
       mb.dim_id,
       OAN.object_name attribute_name,
       OAV.object_name attribute_value
FROM HSP_OBJECT PO,
     HSP_OBJECT O,
     HSP_OBJECT OAN,
     HSP_OBJECT OAV,
     HSP_MEMBER_to_Attribute M,
     hsp_member MB
where PO.OBJECT_ID = O.PARENT_ID
     and M.member_id = O.object_id
     and m.attr_id = OAN.object_id
     and m.attr_mem_id = OAV.object_id
     and mb.member_id = o.object_id
     and mb.dim_id = 50055

```

Member to Attribute sample output

	OBJECT_ID	MEMBER_NAME	Alias_name	PARENT_ID	PARENT_NAME	OBJECT_TYPE	ATTR_MEM_...	dim_id	attribute_name	attribute_value
1	50284	Comma	Comma Phone Stores	2	Customers	2	50563	50055	National Region	East
2	50288	Freds	NULL	50055	Disc Stores	50	50561	50055	Channel	Distributor Sales
3	50289	Smartmart	NULL	50055	Disc Stores	50	50561	50055	Channel	Distributor Sales
4	50289	Smartmart	NULL	50055	Disc Stores	50	50565	50055	National Region	No Region
5	50290	Good Buy	NULL	50055	Disc Stores	50	50561	50055	Channel	Distributor Sales
6	50291	Price Mart	NULL	50055	Disc Stores	50	50561	50055	Channel	Distributor Sales
7	50292	Power Price	NULL	50055	Disc Stores	50	50561	50055	Channel	Distributor Sales
8	50295	Horizon Wireless	NULL	50055	Cellular	50	50560	50055	Channel	Wireless
9	50296	Mercury Cellular	NULL	50055	Cellular	50	50560	50055	Channel	Wireless
10	50298	Electronic City	NULL	50055	Electronic Stores	50	50559	50055	Channel	National Accounts
11	50299	Western Electronics	NULL	50055	Electronic Stores	50	50559	50055	Channel	National Accounts
12	50300	Radio Central	NULL	50055	Electronic Stores	50	50559	50055	Channel	National Accounts
13	50302	No Customer	NULL	2	Customers	2	50562	50055	Channel	No Channel