

The Data Organization

Taxonomy Data Model Deliverables

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Biography

Rainer Schoenrank is the senior data warehouse consultant for The Data Organization. He has degrees in physics from the University of Victoria and computer science from the University of Victoria and California State University Hayward. He has built data warehouses for clients such as Pacific Bell, Genentech, GE Leasing, SGI, PPFA, Brobeck, BofA, Clorox, Leapfrog and Intuitive Surgical. He can be reached at rschoenrank@computer.org.

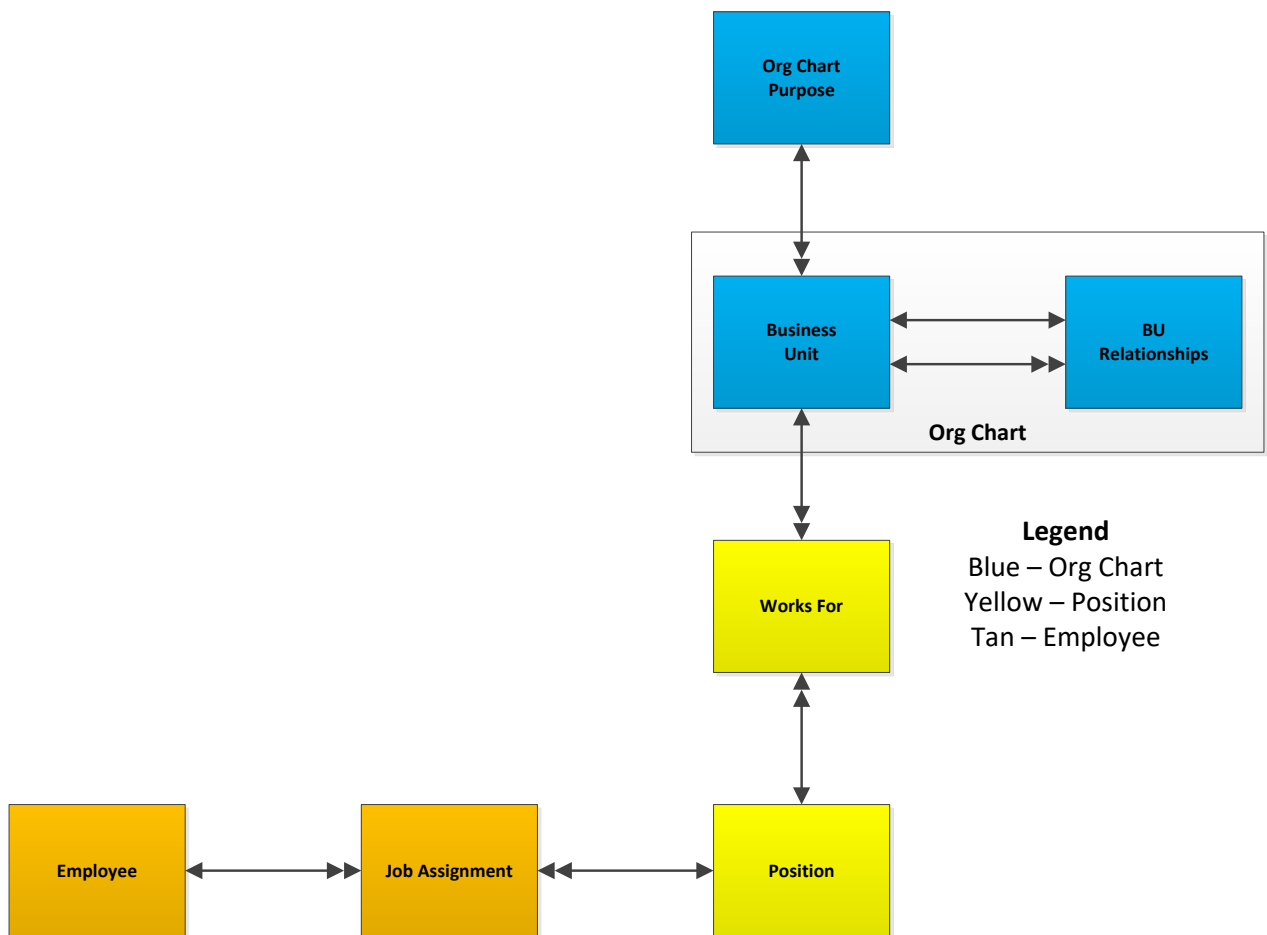
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1. Introduction

The documentation that must be delivered at the end of the Data Model Design Phase are the logical data model diagram and the data dictionary. For organizing master data into a taxonomy (hierarchy), the enterprise organization chart can be used as an example

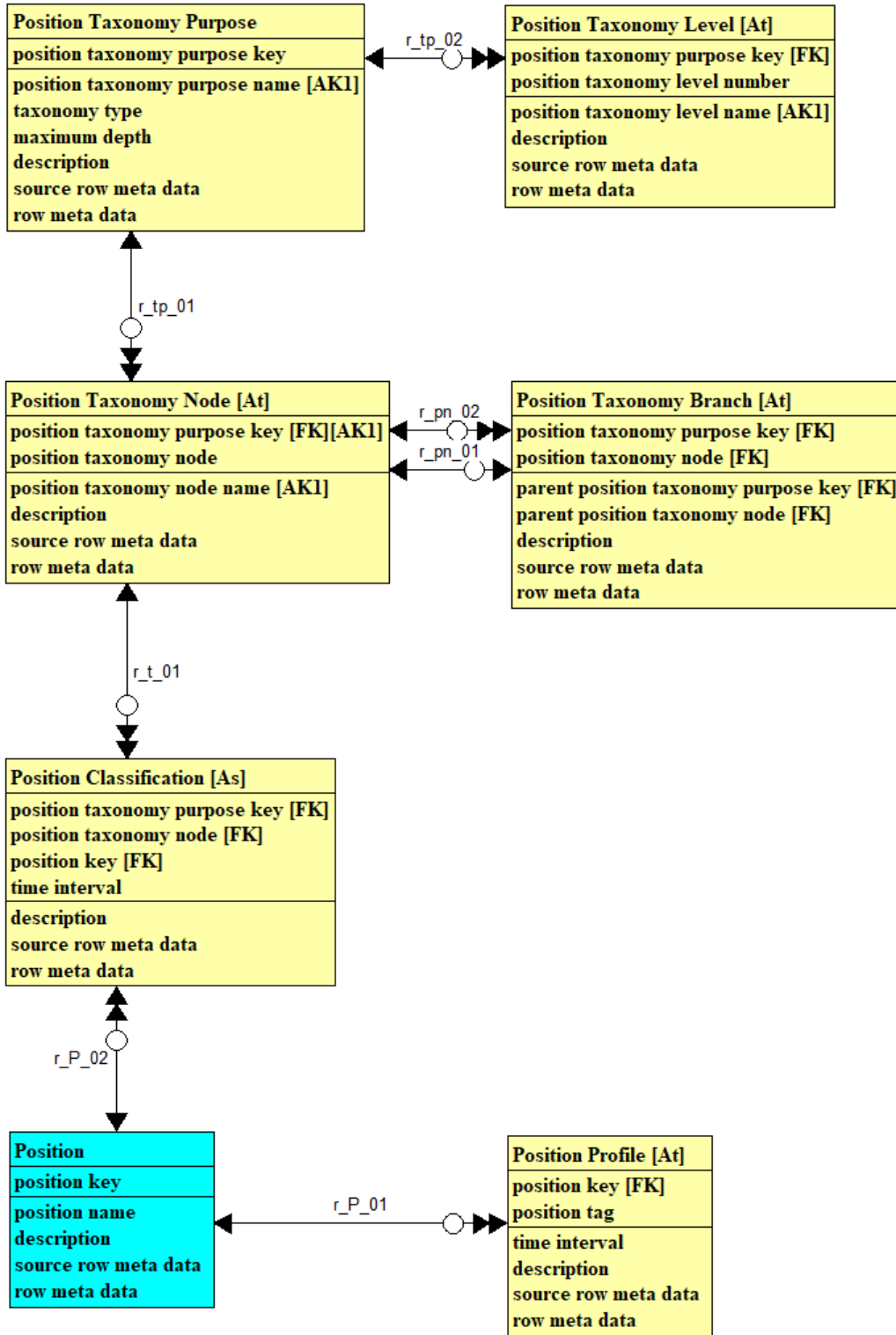
2. Conceptual Data Model Diagram



3. Logical Data Model Diagram

The logical data model diagram is a graphical representation of the data model that shows the tables, their attributes, and the relationships between the tables. This diagram provides a high-level view of the data model and is useful for communicating the structure of the database to stakeholders.

Taxonomy Data Model Deliverables



4. Data Dictionary

The data dictionary is a detailed document that provides a comprehensive description of all the data elements used in the data model. This document typically includes definitions, data types, allowable values, relationships, and any other relevant information about each data element.

4.1 Tables

Position

Entity

Description:

this table contains the list of all positions in the company

Alias:

LM_PSTN

Composition:

[PK] position key
 position name
 description
 source row meta data
 row meta data

Primary Key:

Index Name:

Generated by VAW

Column(s):

position key [ASC]

Location:

[Position Organization](#)

Attached relationships on Position Organization:

r_P_01 MIN: 0 MAX: many

[Position Profile](#)

r_P_02 MIN: 0 MAX: many

[Position Classification](#)

Position Profile

Attributive Entity

Description:

the table contains the list of categories that have been applied to the position

Alias:

LM_PSTN_PRFL

Composition:

[PK] [FK] position key

[PK] position tag

time interval

description

source row meta data

row meta data

Primary Key:

Index Name:

Generated by VAW

Column(s):

position key [ASC]

position tag [ASC]

Foreign Key(s):

[Position 'r_P_01'](#) [Position Profile](#)

position key -> position key

On Delete Restrict

On Update Restrict

On Insert of Child Row Restrict

Location:

[Position Organization](#)

Attached relationships on Position Organization:

[r_P_01]

MIN: 1 MAX: 1

[Position](#)

Position Classification

Associative Entity

Description:

The table contains the relationship between the company positions and all of the named position taxonomies

Alias:

LM_PSTN_CLSF

Composition:

[PK] [FK] position taxonomy purpose key

[PK] [FK] position taxonomy node

[PK] [FK] position key

[PK] time interval

description

source row meta data

row meta data

Primary Key:

Index Name:

Generated by VAW

Column(s):

position taxonomy purpose key [ASC]

position taxonomy node [ASC]

position key [ASC]

time interval [ASC]

Foreign Key(s):

Position Taxonomy Node 'r_t_01' [Position Classification](#)

position taxonomy node

-> position taxonomy purpose key

position taxonomy purpose key

-> position taxonomy node

On Delete Restrict

On Update Restrict

On Insert of Child Row Restrict

[Position 'r_P_02'](#) [Position Classification](#)

position key -> position key

On Delete Restrict

On Update Restrict

On Insert of Child Row Restrict

Location:

[Position Organization](#)

Attached relationships on Position Organization:

[r_t_01]

MIN: 1 MAX: 1

[Position Taxonomy Node](#)

[r_P_02]

MIN: 1 MAX: 1

[Position](#)

Position Taxonomy Node

Attributive Entity

Description:

The table contains all the nodes of the taxonomies for each named position taxonomy purpose

Alias:

LM_PSTN_TXNY_ND

Composition:

[PK] [FK] [AK1] position taxonomy purpose key
 [PK] position taxonomy node
 [AK1] position taxonomy node name
 description
 source row meta data
 row meta data

Primary Key:

Index Name: Generated by VAW
Column(s): position taxonomy node [ASC]
 position taxonomy purpose key [ASC]

Alternate Key 1:

Index Name: Generated by VAW
Column(s): position taxonomy purpose key [ASC]
 position taxonomy node name [ASC]

Foreign Key(s):

[Position Taxonomy Purpose](#) 'r_tp_01' Position Taxonomy Node
 position taxonomy purpose key -> position taxonomy purpose key
 On Delete Restrict
 On Update Restrict
 On Insert of Child Row Restrict

Location:

[Position Organization](#)

Attached relationships on Position Organization:

[r_tp_01]	MIN: 1 MAX: 1
Position Taxonomy Purpose	
r_t_01	MIN: 0 MAX: many
Position Classification	
r_pn_01	MIN: 0 MAX: 1
Position Taxonomy Branch	
r_pn_02	MIN: 0 MAX: many
Position Taxonomy Branch	

Position Taxonomy Branch

Attributive Entity

Description:

the table contains relationships between the nodes of the taxonomies used to organize the positions

Alias:

LM_PSTN_TXNY_BRN

Composition:

[PK] [FK] position taxonomy purpose key

[PK] [FK] position taxonomy node

[FK] parent position taxonomy purpose key

[FK] parent position taxonomy node

description

source row meta data

row meta data

Primary Key:

Index Name:

Generated by VAW

Column(s):

position taxonomy purpose key [ASC]

position taxonomy node [ASC]

Foreign Key(s):

Position Taxonomy Node 'r_pn_01' [Position Taxonomy Branch](#)

position taxonomy node

-> position taxonomy node

position taxonomy purpose key

-> position taxonomy purpose key

On Delete Restrict

On Update Restrict

On Insert of Child Row Restrict

Position Taxonomy Node 'r_pn_02' [Position Taxonomy Branch](#)

position taxonomy node

-> parent position taxonomy node

position taxonomy purpose key

-> parent position taxonomy purpose

key

On Delete Restrict

On Update Restrict

On Insert of Child Row Restrict

Location:

[Position Organization](#)

Attached relationships on Position Organization:

[r_pn_01]

MIN: 1 MAX: 1

[Position Taxonomy Node](#)

[r_pn_02]

MIN: 1 MAX: 1

[Position Taxonomy Node](#)

Position Taxonomy Purpose

Entity

Description:

The table contains the list of names of the hierarchies used to organize the positions

Alias:

LM_PSTN_TXNY_PRPS

Composition:

[PK] position taxonomy purpose key
 [AK1] position taxonomy purpose name
 taxonomy type
 maximum depth
 description
 source row meta data
 row meta data

Primary Key:

Index Name: Generated by VAW
Column(s): position taxonomy purpose key [ASC]

Alternate Key 1:

Index Name: Generated by VAW
Column(s): position taxonomy purpose name [ASC]

Location:

[Position Organization](#)

Attached relationships on Position Organization:

r_tp_01	MIN: 0 MAX: many
<u>Position Taxonomy Node</u>	
r_tp_02	MIN: 0 MAX: many
<u>Position Taxonomy Level</u>	

Position Taxonomy Level

Attributive Entity

Description:

The table contains the name of the taxonomy levels identified in the named taxonomy purpose

Alias:

LM_PSTN_TXNY_LVL

Composition:

[PK] [FK] position taxonomy purpose key
 [PK] position taxonomy level number
 [AK1] position taxonomy level name
 description
 source row meta data
 row meta data

Primary Key:

Index Name: Generated by VAW
Column(s): position taxonomy level number [ASC]
 position taxonomy purpose key [ASC]

Alternate Key 1:

Index Name: Generated by VAW
Column(s): position taxonomy level name [ASC]

Foreign Key(s):

[Position Taxonomy Purpose](#) 'r_tp_02' [Position Taxonomy Level](#)
 position taxonomy purpose key -> position taxonomy purpose key
 On Delete Restrict
 On Update Restrict
 On Insert of Child Row Restrict

Location:

[Position Organization](#)
Attached relationships on Position Organization:
 [r_tp_02] MIN: 1 MAX: 1
[Position Taxonomy Purpose](#)

4.2 Structures

row meta data

Description:

The fields attached to each row in a table to track the events that happened to the row

Alias:

RMD

Composition:

create date
create process
data owner group
restriction level
in use
production date
modified date
modified process

Notes:

One of the attributes added to an entity during the database design process as the design moves from logical design to physical implementation.

The attribute describes the when, who, and how of the table row.

Location:

Attributive Entity -->	Position Taxonomy Level
Associative Entity -->	Position Classification
Attributive Entity -->	Position Taxonomy Node
Attributive Entity -->	Position Taxonomy Branch
Entity -->	Position Taxonomy Purpose
Attributive Entity -->	Position Profile
Entity -->	Position

source row meta data

Description:

the description of how the table row was created and modified by the source application

Alias:

SRMD

Composition:

data owner
application id
create date
create process
modified date
modified process

Notes:

One of the attributes added to an entity during the database design process as the design moves from logical design to physical implementation.

Location:

Attributive Entity -->	Position Taxonomy Level
Associative Entity -->	Position Classification
Attributive Entity -->	Position Taxonomy Node
Attributive Entity -->	Position Taxonomy Branch
Entity -->	Position Taxonomy Purpose
Attributive Entity -->	Position Profile
Entity -->	Position

time interval

Description:

An interval of time between a start date and an end date

Alias:

TM_INTRVL

Composition:

begin date

end date

Notes:

The time interval includes both the start date and the end date

Location:

Associative Entity -->

Position Classification

Attributive Entity -->

Position Profile

4.3 Data Elements

application id

Description:

The code that identifies the source application where the data was created

Alias:

APPL_ID

Values & Meanings:

Data element attributes

Domain: unstructured code

Storage Type: National VarChar

Length: 4

Default: '0'

Null Type: NotNull

Notes:

Location:

Data Structure --> source row meta data

begin date

Description:

the start date of a time interval

Alias:

BGN_DT

Data element attributes

Domain: calendar date

Storage Type: Date

Default: SYSDATE

Null Type: NotNull

Notes:

Location:

Data Structure --> time interval

create date

Description:

The date on which the table row was created

Alias:

CREAT_DT

Data element attributes

Storage Type: Date

Default: SYSDATE

Null Type: NotNull

Notes:

Location:

Data Structure --> row meta data

Data Structure --> source row meta data

create process

Description:

The identification of the person or process that created the table row

Alias:

CREAT_PRC

Data element attributes

Storage Type: National VarChar

Length: 63

Default: 'UNSIGNED'

Null Type: NotNull

Location:

Data Structure --> row meta data

Data Structure --> source row meta data

data owner

Description:

the group that owns the source application that contained the data

Alias:

APPL_OWN

Data element attributes

Storage Type: National VarChar

Length: 63

Default: 'UNSIGNED'

Null Type: NotNull

Location:

Data Structure --> source row meta data

data owner group

Description:

the group that owns the data record

Alias:

DATA_OWN_GRP

Data element attributes

Domain: enumerated

Storage Type: National VarChar

Length: 4

Default: '0'

Null Type: NotNull

Notes:

Location:

Data Structure --> row meta data

description

Description:

The free form description for the row in a table

Alias:

DESCR

Values & Meanings:

Data element attributes

Domain: unstructured full

Storage Type: National VarChar

Length: 255

Null Type: Null

Notes:

One of the standard attributes for every tables

Location:

Attributive Entity -->	Position Taxonomy Level
Associative Entity -->	Position Classification
Attributive Entity -->	Position Taxonomy Node
Entity -->	Position Taxonomy Purpose
Attributive Entity -->	Position Profile
Entity -->	Position
Attributive Entity -->	Position Taxonomy Branch

end date

Description:

The end date of an interval of time

Alias:

END_DT

Data element attributes

Domain: calendar date

Storage Type: Date

Default: '31-DEC-9999'

Null Type: NotNull

Notes:

Location:

Data Structure --> time interval

in use

Description:

An indicator to show whether or not the data in the row is still being used

Alias:

IN_USE_IND

Values & Meanings:

yes,

no,

unknown.

system default

Data element attributes

Domain: indicator

Storage Type: National Char

Length: 1

Default: '0'

Null Type: NotNull

Notes:

Location:

Data Structure --> row meta data

maximum depth

Description:

The number of levels allowed in an organizational hierarchy

Alias:

MAX_DPTH

Data element attributes

Domain: ordinal
Storage Type: Decimal
Length: 10
Default: 0
Null Type: NotNull

Notes:

Location:

Entity --> Position Taxonomy Purpose

modified date

Description:

The date on which the table row was changed

Alias:

MODF_DT

Data element attributes

Storage Type: Date
Default: SYSDATE
Null Type: NotNull

Notes:

Location:

Data Structure --> row meta data
Data Structure --> source row meta data

modified process

Description:

The identification of the person or process that changed the table row

Alias:

MODF_PRCS

Data element attributes

Storage Type: National VarChar
Length: 63
Default: 'UNSIGNED'
Null Type: NotNull

Location:

Data Structure --> row meta data
Data Structure --> source row meta data

parent position taxonomy node

Description:

The identifier of a taxonomy node's parent node

Alias:

PRT_PSTN_TXNY_ND

Data element attributes

Domain: ordinal
Storage Type: Decimal
Length: 10
Default: 0
Null Type: NotNull

Notes:

Location:

Attributive Entity --> Position Taxonomy Branch

parent position taxonomy purpose key

Description:

The identifier of a taxonomy node's parent node

Alias:

PRT_PSTN_TXNY_PRPS_KEY

Data element attributes

Domain: table key
Storage Type: Decimal
Length: 10
Default: 0
Null Type: NotNull

Notes:

Location:

Attributive Entity --> Position Taxonomy Branch

position key

Description:

The surrogate key for this table generated by the DBMS

Alias:

PSTN_KEY

Data element attributes

Domain: table key

Storage Type: Decimal

Length: 10

Default: 0

Null Type: NotNull

Notes:

Location:

Associative Entity -->

Position Classification

Attributive Entity -->

Position Profile

Entity -->

Position

position name

Description:

the name of the position in the company

Alias:

PSTN_NM

Data element attributes

Domain: name

Storage Type: National VarChar

Length: 63

Default: 'system default'

Null Type: NotNull

Notes:

Location:

Entity -->

Position

position tag

Description:

A classification code for a position

Alias:

PSTN_TAG

Values & Meanings:

NULL is the system default code

0 is the unknown

p is planned

b is budgeted

a is active

etc.

Data element attributes

Domain: enumerated

Storage Type: National VarChar

Length: 4

Default: '0'

Null Type: NotNull

Notes:

Location:

Attributive Entity -->

Position Profile

position taxonomy level name

Description:

the name of a business data object

Alias:

PSTN_TXNY_LVL_NM

Data element attributes

Domain: name

Storage Type: National VarChar

Length: 63

Default: 'system default'

Null Type: NotNull

Notes:

Location:

Attributive Entity -->

Position Taxonomy Level

position taxonomy level number

Description:

The level of the node within the taxonomy

Alias:

PSTN_TXNY_LVL_NMBR

Data element attributes

Domain: ordinal
Storage Type: Decimal
Length: 10
Default: 0
Null Type: NotNull

Notes:

Location:

Attributive Entity --> Position Taxonomy Level

position taxonomy node

Description:

the identifier for the node in the taxonomy

Alias:

PSTN_TXNY_ND

Data element attributes

Domain: ordinal
Storage Type: Decimal
Length: 10
Default: 0
Null Type: NotNull

Notes:

Location:

Associative Entity --> Position Classification
Attributive Entity --> Position Taxonomy Node
Attributive Entity --> Position Taxonomy Branch

position taxonomy node name

Description:

the name of a business data object

Alias:

PSTN_TXNY_ND_NM

Data element attributes

Domain: name
Storage Type: National VarChar
Length: 63
Default: 'system default'
Null Type: NotNull

Notes:

Location:

Attributive Entity --> Position Taxonomy Node

position taxonomy purpose key

Description:

The surrogate key for this table generated by the DBMS

Alias:

PSTN_TXNY_PRPS_KEY

Data element attributes

Domain: table key
Storage Type: Decimal
Length: 10
Default: 0
Null Type: NotNull

Notes:

Location:

Attributive Entity --> Position Taxonomy Level
Associative Entity --> Position Classification
Attributive Entity --> Position Taxonomy Node
Entity --> Position Taxonomy Purpose
Attributive Entity --> Position Taxonomy Branch

position taxonomy purpose name

Description:

the name of a business data object

Alias:

PSTN_TXNY_PRPS_NM

Data element attributes

Domain: name
Storage Type: National VarChar
Length: 63
Default: 'system default'
Null Type: NotNull

Notes:

Location:

Entity --> Position Taxonomy Purpose

production date

Description:

The date on which the row was extracted for input to the operational application.

Alias:

PRODTN_DT

Values & Meanings:

NULL - the record has not been processed
any value - the record has been processed

Data element attributes

Storage Type: Date
Null Type: Null

Notes:

This is a flag to indicate that the record was processed and should not be processed a second time.

Location:

Data Structure --> row meta data

restriction level

Description:

the security classification of this data row

Alias:

RSTR_LVL

Data element attributes

Storage Type: Decimal

Length: 10

Default: 0

Null Type: NotNull

Notes:

Location:

Data Structure --> row meta data

taxonomy type

Description:

the type of taxonomy being described

Alias:

TXNY_CD

Values & Meanings:

fixed = each branch of the taxonomy has the same number of levels

variable = each branch of the taxonomy has different number of levels

Data element attributes

Domain: enumerated

Storage Type: National VarChar

Length: 4

Default: '0'

Null Type: NotNull

Notes:

Location:

Entity --> Position Taxonomy Purpose

5. DDL Source Code

The target for the DDL source code is ORACLE.

```
CREATE TABLE LM_PSTN
(
  PSTN_KEY          NUMBER(10) DEFAULT 0 NOT NULL,
  PSTN_NM           NVARCHAR2(63) DEFAULT 'system default' NOT NULL,
  DESCR             NVARCHAR2(255),
  SRMD_APPL_OWN     NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  SRMD_APPL_ID      NVARCHAR2(4) DEFAULT '0' NOT NULL,
  SRMD_CREAT_DT     DATE DEFAULT SYSDATE NOT NULL,
  SRMD_CREAT_PRCES NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  SRMD_MODF_DT      DATE DEFAULT SYSDATE NOT NULL,
  SRMD_MODF_PRCES  NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  RMD_CREAT_DT      DATE DEFAULT SYSDATE NOT NULL,
  RMD_CREAT_PRCES  NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  RMD_DATA_OWN_GRP NVARCHAR2(4) DEFAULT '0' NOT NULL,
  RMD_RSTR_LVL      NUMBER(10) DEFAULT 0 NOT NULL,
  RMD_IN_USE_IND    NCHAR(1) DEFAULT '0' NOT NULL,
  RMD_PRODTN_DT     DATE,
  RMD_MODF_DT       DATE DEFAULT SYSDATE NOT NULL,
  RMD_MODF_PRCES   NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL
)
/
```

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```
CREATE TABLE LM_PSTN_CLSF
(
  PSTN_TXNY_PRPS_KEY    NUMBER(10) DEFAULT 0 NOT NULL,
  PSTN_TXNY_ND          NUMBER(10) DEFAULT 0 NOT NULL,
  PSTN_KEY              NUMBER(10) DEFAULT 0 NOT NULL,
  TM_INTRVL_BGN_DT     DATE DEFAULT SYSDATE NOT NULL,
  TM_INTRVL_END_DT     DATE DEFAULT '31-DEC-9999' NOT NULL,
  DESCR                 NVARCHAR2(255),
  SRMD_APPL_OWN        NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  SRMD_APPL_ID         NVARCHAR2(4) DEFAULT '0' NOT NULL,
  SRMD_CREAT_DT        DATE DEFAULT SYSDATE NOT NULL,
  SRMD_CREAT_PRCS     NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  SRMD_MODF_DT         DATE DEFAULT SYSDATE NOT NULL,
  SRMD_MODF_PRCS     NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  RMD_CREAT_DT         DATE DEFAULT SYSDATE NOT NULL,
  RMD_CREAT_PRCS     NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  RMD_DATA_OWN_GRP    NVARCHAR2(4) DEFAULT '0' NOT NULL,
  RMD_RSTR_LVL         NUMBER(10) DEFAULT 0 NOT NULL,
  RMD_IN_USE_IND       NCHAR(1) DEFAULT '0' NOT NULL,
  RMD_PRODTN_DT        DATE,
  RMD_MODF_DT          DATE DEFAULT SYSDATE NOT NULL,
  RMD_MODF_PRCS     NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL
)
/
```

Taxonomy Data Model Deliverables

```
CREATE TABLE LM_PSTN_PRFL
(
  PSTN_KEY          NUMBER(10) DEFAULT 0 NOT NULL,
  PSTN_TAG          NVARCHAR2(4) DEFAULT '0' NOT NULL,
  TM_INTRVL_BGN_DT DATE DEFAULT SYSDATE NOT NULL,
  TM_INTRVL_END_DT DATE DEFAULT '31-DEC-9999' NOT NULL,
  DESCR            NVARCHAR2(255),
  SRMD_APPL_OWN    NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  SRMD_APPL_ID     NVARCHAR2(4) DEFAULT '0' NOT NULL,
  SRMD_CREAT_DT    DATE DEFAULT SYSDATE NOT NULL,
  SRMD_CREAT_PRCS NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  SRMD_MODF_DT     DATE DEFAULT SYSDATE NOT NULL,
  SRMD_MODF_PRCS  NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  RMD_CREAT_DT     DATE DEFAULT SYSDATE NOT NULL,
  RMD_CREAT_PRCS  NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  RMD_DATA_OWN_GRP NVARCHAR2(4) DEFAULT '0' NOT NULL,
  RMD_RSTR_LVL     NUMBER(10) DEFAULT 0 NOT NULL,
  RMD_IN_USE_IND   NCHAR(1) DEFAULT '0' NOT NULL,
  RMD_PRODTN_DT    DATE,
  RMD_MODF_DT      DATE DEFAULT SYSDATE NOT NULL,
  RMD_MODF_PRCS   NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL
)
/
```

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```
CREATE TABLE LM_PSTN_TXNY_BRN
(
  PSTN_TXNY_PRPS_KEY    NUMBER(10) DEFAULT 0 NOT NULL,
  PSTN_TXNY_ND          NUMBER(10) DEFAULT 0 NOT NULL,
  PRT_PSTN_TXNY_PRPS_KEY NUMBER(10) DEFAULT 0 NOT NULL,
  PRT_PSTN_TXNY_ND      NUMBER(10) DEFAULT 0 NOT NULL,
  DESCR                 NVARCHAR2(255),
  SRMD_APPL_OWN         NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  SRMD_APPL_ID          NVARCHAR2(4)  DEFAULT '0' NOT NULL,
  SRMD_CREAT_DT         DATE DEFAULT SYSDATE NOT NULL,
  SRMD_CREAT_PRCS       NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  SRMD_MODF_DT          DATE DEFAULT SYSDATE NOT NULL,
  SRMD_MODF_PRCS        NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  RMD_CREAT_DT          DATE DEFAULT SYSDATE NOT NULL,
  RMD_CREAT_PRCS        NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  RMD_DATA_OWN_GRP      NVARCHAR2(4)  DEFAULT '0' NOT NULL,
  RMD_RSTR_LVL          NUMBER(10) DEFAULT 0 NOT NULL,
  RMD_IN_USE_IND        NCHAR(1)  DEFAULT '0' NOT NULL,
  RMD_PRODTN_DT         DATE,
  RMD_MODF_DT           DATE DEFAULT SYSDATE NOT NULL,
  RMD_MODF_PRCS         NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL
)
/
```


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```
CREATE TABLE LM_PSTN_TXNY_LVL
(
  PSTN_TXNY_PRPS_KEY      NUMBER(10) DEFAULT 0 NOT NULL,
  PSTN_TXNY_LVL_NMBR     NUMBER(10) DEFAULT 0 NOT NULL,
  PSTN_TXNY_LVL_NM       NVARCHAR2(63) DEFAULT 'system default' NOT NULL,
  DESCR                   NVARCHAR2(255),
  SRMD_APPL_OWN          NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  SRMD_APPL_ID           NVARCHAR2(4) DEFAULT '0' NOT NULL,
  SRMD_CREAT_DT          DATE DEFAULT SYSDATE NOT NULL,
  SRMD_CREAT_PRC        NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  SRMD_MODF_DT           DATE DEFAULT SYSDATE NOT NULL,
  SRMD_MODF_PRC         NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  RMD_CREAT_DT           DATE DEFAULT SYSDATE NOT NULL,
  RMD_CREAT_PRC         NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  RMD_DATA_OWN_GRP       NVARCHAR2(4) DEFAULT '0' NOT NULL,
  RMD_RSTR_LVL           NUMBER(10) DEFAULT 0 NOT NULL,
  RMD_IN_USE_IND         NCHAR(1) DEFAULT '0' NOT NULL,
  RMD_PRODTN_DT          DATE,
  RMD_MODF_DT            DATE DEFAULT SYSDATE NOT NULL,
  RMD_MODF_PRC          NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL
)
/
```

Taxonomy Data Model Deliverables

```
CREATE TABLE LM_PSTN_TXNY_ND
(
  PSTN_TXNY_PRPS_KEY    NUMBER(10) DEFAULT 0 NOT NULL,
  PSTN_TXNY_ND          NUMBER(10) DEFAULT 0 NOT NULL,
  PSTN_TXNY_ND_NM      NVARCHAR2(63) DEFAULT 'system default' NOT NULL,
  DESCR                NVARCHAR2(255),
  SRMD_APPL_OWN        NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  SRMD_APPL_ID         NVARCHAR2(4) DEFAULT '0' NOT NULL,
  SRMD_CREAT_DT        DATE DEFAULT SYSDATE NOT NULL,
  SRMD_CREAT_PRC      NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  SRMD_MODF_DT         DATE DEFAULT SYSDATE NOT NULL,
  SRMD_MODF_PRC       NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  RMD_CREAT_DT         DATE DEFAULT SYSDATE NOT NULL,
  RMD_CREAT_PRC       NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  RMD_DATA_OWN_GRP    NVARCHAR2(4) DEFAULT '0' NOT NULL,
  RMD_RSTR_LVL        NUMBER(10) DEFAULT 0 NOT NULL,
  RMD_IN_USE_IND      NCHAR(1) DEFAULT '0' NOT NULL,
  RMD_PRODTN_DT       DATE,
  RMD_MODF_DT         DATE DEFAULT SYSDATE NOT NULL,
  RMD_MODF_PRC       NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL
)
/
```

Taxonomy Data Model Deliverables

```
CREATE TABLE LM_PSTN_TXNY_PRPS
(
  PSTN_TXNY_PRPS_KEY      NUMBER(10) DEFAULT 0 NOT NULL,
  PSTN_TXNY_PRPS_NM      NVARCHAR2(63) DEFAULT 'system default' NOT NULL,
  TXNY_CD                 NVARCHAR2(4) DEFAULT '0' NOT NULL,
  MAX_DPTH                NUMBER(10) DEFAULT 0 NOT NULL,
  DESCR                  NVARCHAR2(255),
  SRMD_APPL_OWN          NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  SRMD_APPL_ID           NVARCHAR2(4) DEFAULT '0' NOT NULL,
  SRMD_CREAT_DT          DATE DEFAULT SYSDATE NOT NULL,
  SRMD_CREAT_PRCS        NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  SRMD_MODF_DT           DATE DEFAULT SYSDATE NOT NULL,
  SRMD_MODF_PRCS         NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  RMD_CREAT_DT           DATE DEFAULT SYSDATE NOT NULL,
  RMD_CREAT_PRCS         NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL,
  RMD_DATA_OWN_GRP       NVARCHAR2(4) DEFAULT '0' NOT NULL,
  RMD_RSTR_LVL           NUMBER(10) DEFAULT 0 NOT NULL,
  RMD_IN_USE_IND         NCHAR(1) DEFAULT '0' NOT NULL,
  RMD_PRODTN_DT          DATE,
  RMD_MODF_DT            DATE DEFAULT SYSDATE NOT NULL,
  RMD_MODF_PRCS          NVARCHAR2(63) DEFAULT 'UNSIGNED' NOT NULL
)
/
```

Taxonomy Data Model Deliverables

```
CREATE SYNONYM Position FOR LM_PSTN
/
CREATE SYNONYM Position_Classification FOR LM_PSTN_CLSF
/
CREATE SYNONYM Position_Profile FOR LM_PSTN_PRFL
/
CREATE SYNONYM Position_Taxonomy_Branch FOR LM_PSTN_TXNY_BRN
/
CREATE SYNONYM Position_Taxonomy_Level FOR LM_PSTN_TXNY_LVL
/
CREATE SYNONYM Position_Taxonomy_Node FOR LM_PSTN_TXNY_ND
/
CREATE SYNONYM Position_Taxonomy_Purpose FOR LM_PSTN_TXNY_PRPS
/
```

Taxonomy Data Model Deliverables

```
CREATE UNIQUE INDEX PKLM_PSTN ON LM_PSTN ( PSTN_KEY ASC )
/
CREATE UNIQUE INDEX PKLM_PSTN_CLSF ON LM_PSTN_CLSF
(
  PSTN_TXNY_PRPS_KEY ASC,
  PSTN_TXNY_ND ASC,
  PSTN_KEY ASC,
  TM_INTRVL_BGN_DT ASC,
  TM_INTRVL_END_DT ASC
)
/
CREATE UNIQUE INDEX PKLM_PSTN_PRFL ON LM_PSTN_PRFL ( PSTN_KEY ASC, PSTN_TAG ASC )
/
CREATE UNIQUE INDEX PKLM_PSTN_TXNY_BRN ON LM_PSTN_TXNY_BRN
( PSTN_TXNY_PRPS_KEY ASC, PSTN_TXNY_ND ASC )
/
CREATE UNIQUE INDEX PKLM_PSTN_TXNY_LVL ON LM_PSTN_TXNY_LVL
( PSTN_TXNY_LVL_NMBR ASC, PSTN_TXNY_PRPS_KEY ASC )
/
CREATE UNIQUE INDEX PKLM_PSTN_TXNY_ND ON LM_PSTN_TXNY_ND
( PSTN_TXNY_ND ASC, PSTN_TXNY_PRPS_KEY ASC )
/
CREATE UNIQUE INDEX PKLM_PSTN_TXNY_PRPS ON LM_PSTN_TXNY_PRPS
( PSTN_TXNY_PRPS_KEY ASC )
/
CREATE UNIQUE INDEX AK1LM_PSTN_TXNY_LVL ON LM_PSTN_TXNY_LVL
( PSTN_TXNY_LVL_NM ASC )
/
CREATE UNIQUE INDEX AK1LM_PSTN_TXNY_ND ON LM_PSTN_TXNY_ND
( PSTN_TXNY_PRPS_KEY ASC, PSTN_TXNY_ND_NM ASC )
/
CREATE UNIQUE INDEX AK1LM_PSTN_TXNY_PRPS ON LM_PSTN_TXNY_PRPS
( PSTN_TXNY_PRPS_NM ASC )
/
```

Taxonomy Data Model Deliverables

```
ALTER TABLE LM_PSTN ADD (  
    CONSTRAINT PKC_LM_PSTN0000 PRIMARY KEY ( PSTN_KEY ))  
/  
ALTER TABLE LM_PSTN_CLSF ADD (  
    CONSTRAINT PKC_LM_PSTN_CLSF0003 PRIMARY KEY  
    (  
        PSTN_TXNY_PRPS_KEY,  
        PSTN_TXNY_ND,  
        PSTN_KEY,  
        TM_INTRVL_BGN_DT,  
        TM_INTRVL_END_DT  
    ))  
/  
ALTER TABLE LM_PSTN_PRFL ADD (  
    CONSTRAINT PKC_LM_PSTN_PRFL0005 PRIMARY KEY ( PSTN_KEY, PSTN_TAG ))  
/  
ALTER TABLE LM_PSTN_TXNY_BRN ADD (  
    CONSTRAINT PKC_LM_PSTN_TXNY_BRN0008 PRIMARY KEY  
    ( PSTN_TXNY_PRPS_KEY, PSTN_TXNY_ND ))  
/  
ALTER TABLE LM_PSTN_TXNY_LVL ADD (  
    CONSTRAINT PKC_LM_PSTN_TXNY_LVL000A PRIMARY KEY  
    ( PSTN_TXNY_LVL_NMBR, PSTN_TXNY_PRPS_KEY ))  
/  
ALTER TABLE LM_PSTN_TXNY_ND ADD (  
    CONSTRAINT PKC_LM_PSTN_TXNY_ND000D PRIMARY KEY  
    ( PSTN_TXNY_ND, PSTN_TXNY_PRPS_KEY ))  
/  
ALTER TABLE LM_PSTN_TXNY_PRPS ADD (  
    CONSTRAINT PKC_LM_PSTN_TXNY_PRPS000F PRIMARY KEY ( PSTN_TXNY_PRPS_KEY ))  
/  
ALTER TABLE LM_PSTN_TXNY_LVL ADD (  
    CONSTRAINT AKC_1LM_PSTN_TXNY_LVL000B UNIQUE ( PSTN_TXNY_LVL_NM ))  
/  
ALTER TABLE LM_PSTN_TXNY_ND ADD (  
    CONSTRAINT AKC_1LM_PSTN_TXNY_ND000E UNIQUE  
    ( PSTN_TXNY_PRPS_KEY, PSTN_TXNY_ND_NM ))
```

```
/
ALTER TABLE LM_PSTN_TXNY_PRPS ADD (
  CONSTRAINT AKC_1LM_PSTN_TXNY_PRPS0010 UNIQUE ( PSTN_TXNY_PRPS_NM ) )
/
ALTER TABLE LM_PSTN_CLSF ADD (
  CONSTRAINT FKC_r_t_010001 FOREIGN KEY ( PSTN_TXNY_PRPS_KEY, PSTN_TXNY_ND )
  REFERENCES LM_PSTN_TXNY_ND )
/
ALTER TABLE LM_PSTN_CLSF ADD (
  CONSTRAINT FKC_r_P_020002 FOREIGN KEY ( PSTN_KEY ) REFERENCES LM_PSTN )
/
ALTER TABLE LM_PSTN_PRFL ADD (
  CONSTRAINT FKC_r_P_010004 FOREIGN KEY ( PSTN_KEY ) REFERENCES LM_PSTN )
/
ALTER TABLE LM_PSTN_TXNY_BRN ADD (
  CONSTRAINT FKC_r_pn_010006 FOREIGN KEY ( PSTN_TXNY_ND, PSTN_TXNY_PRPS_KEY )
  REFERENCES LM_PSTN_TXNY_ND )
/
ALTER TABLE LM_PSTN_TXNY_BRN ADD (
  CONSTRAINT FKC_r_pn_020007 FOREIGN KEY
  ( PRT_PSTN_TXNY_ND, PRT_PSTN_TXNY_PRPS_KEY ) REFERENCES LM_PSTN_TXNY_ND )
/
ALTER TABLE LM_PSTN_TXNY_LVL ADD (
  CONSTRAINT FKC_r_tp_020009 FOREIGN KEY ( PSTN_TXNY_PRPS_KEY ) REFERENCES
  LM_PSTN_TXNY_PRPS )
/
ALTER TABLE LM_PSTN_TXNY_ND ADD (
  CONSTRAINT FKC_r_tp_01000C FOREIGN KEY ( PSTN_TXNY_PRPS_KEY ) REFERENCES
  LM_PSTN_TXNY_PRPS )
/
```