

# **Sybase PowerDesigner Conceptual Data Model Report**

***Model: Conceptual Data\_1  
Report: Full Conceptual Report***



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Summary:

## **Table of Contents**

**The 'Table of Contents' field needs to be updated!**

# I Specifications

Include specifications here....

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## II Model information

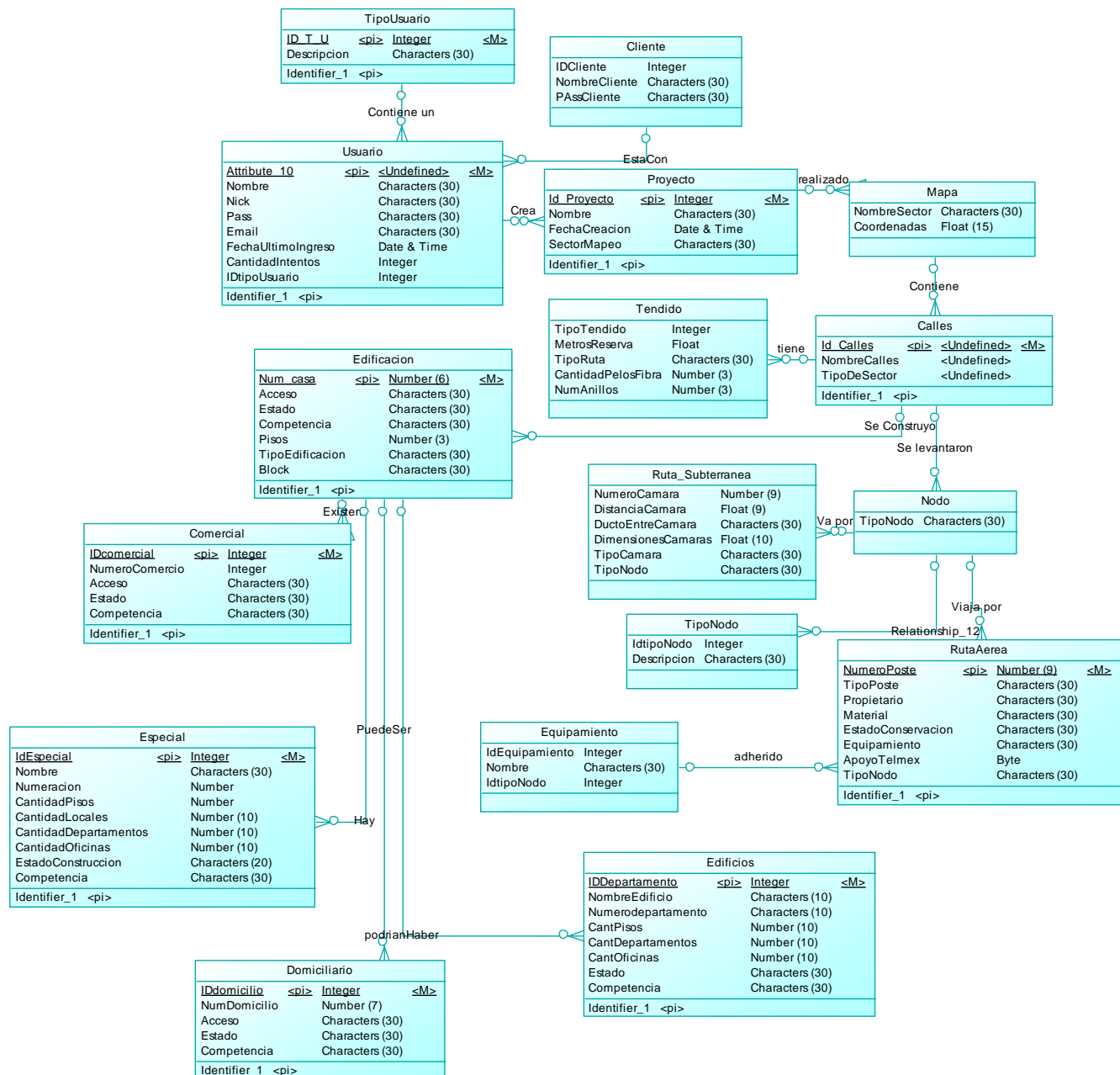
### II.1 Card of model Conceptual Data\_1

|         |                   |
|---------|-------------------|
| Name    | Conceptual Data_1 |
| Code    | CONCEPTUAL_DATA_1 |
| Comment |                   |

## III CDM Diagrams

### III.1 Model level diagrams

#### III.1.1 Diagram Diagram\_1



## IV Data Items

### IV.1 Model level data items

#### IV.1.1 List of data items

| Name                      | Code                          | Domain | Data Type       | Length | Precision |
|---------------------------|-------------------------------|--------|-----------------|--------|-----------|
| Acceso                    | ACCESO                        |        | Characters (30) | 30     |           |
| ApoyoTelmex               | APOYOTELME<br>X               |        | Byte            |        |           |
| Attribute_10              | ID                            |        | ?               |        |           |
| Block                     | BLOCK                         |        | Characters (30) | 30     |           |
| CantDepartame<br>ntos     | CANTDEPART<br>AMENTOS         |        | Number (10)     | 10     |           |
| CantidadDepart<br>amentos | CANTIDADDE<br>PARTAMENTO<br>S |        | Number (10)     | 10     |           |
| CantidadIntento<br>s      | CANTIDADINT<br>ENTOS          |        | Integer         |        |           |
| CantidadLocale<br>s       | CANTIDADLO<br>CALES           |        | Number (10)     | 10     |           |
| CantidadOficina<br>s      | CANTIDADOFI<br>CINAS          |        | Number (10)     | 10     |           |
| CantidadPelosFi<br>bra    | CANTIDADPEL<br>OSFIBRA        |        | Number (3)      | 3      |           |
| CantidadPisos             | CANTIDADPIS<br>OS             |        | Number          |        |           |
| CantOficinas              | CANTOFICINA<br>S              |        | Number (10)     | 10     |           |
| CantPisos                 | CANTPISOS                     |        | Number (10)     | 10     |           |
| Competencia               | COMPETENCI<br>A               |        | Characters (30) | 30     |           |
| Coordenadas               | COORDENADA<br>S               |        | Float (15)      | 15     |           |
| Descripcion               | DESCRIPCION                   |        | Characters (30) | 30     |           |
| DimensionesCa<br>maras    | DIMENSIONES<br>CAMARAS        |        | Float (10)      | 10     |           |
| DistanciaCamar<br>a       | DISTANCIACA<br>MARA           |        | Float (9)       | 9      |           |
| DuctoEntreCam<br>ara      | DUCTOENTRE<br>CAMARA          |        | Characters (30) | 30     |           |
| Email                     | EMAIL                         |        | Characters (30) | 30     |           |
| Equipamiento              | EQUIPAMIENT<br>O              |        | Characters (30) | 30     |           |
| Estado                    | ESTADO                        |        | Characters (30) | 30     |           |

|                    |                    |  |                 |    |  |
|--------------------|--------------------|--|-----------------|----|--|
| EstadoConservacion | ESTADOCONSERVACION |  | Characters (30) | 30 |  |
| EstadoConstruccion | ESTADOCONSTRUCCION |  | Characters (20) | 20 |  |
| FechaCreacion      | FECHACREACION      |  | Date & Time     |    |  |
| FechaUltimoIngreso | FECHAULTIMOINGRESO |  | Date & Time     |    |  |
| Id_Calles          | ID_CALLES          |  | ?               |    |  |
| Id_Proyecto        | ID_PROYECTO        |  | Integer         |    |  |
| ID_T_U             | ID_T_U             |  | Integer         |    |  |
| IDCliente          | IDCLIENTE          |  | Integer         |    |  |
| IDcomercial        | IDCOMERCIAL        |  | Integer         |    |  |
| IDDepartamento     | IDDEPARTAMENTO     |  | Integer         |    |  |
| IDdomicilio        | IDDOMICILIO        |  | Integer         |    |  |
| IdEquipamiento     | IDEQUIPAMIENTO     |  | Integer         |    |  |
| IdEspecial         | IDESPECIAL         |  | Integer         |    |  |
| IdtipoNodo         | IDTIPONODO         |  | Integer         |    |  |
| IDtipoUsuario      | IDTIPOUSUARIO      |  | Integer         |    |  |
| Material           | MATERIAL           |  | Characters (30) | 30 |  |
| MetrosReserva      | METROSRESERVA      |  | Float           |    |  |
| Nick               | NICK               |  | Characters (30) | 30 |  |
| Nombre             | NOMBRE             |  | Characters (30) | 30 |  |
| NombreCalles       | NOMBRECALLES       |  | ?               |    |  |
| NombreCliente      | NOMBRECLIENTE      |  | Characters (30) | 30 |  |
| NombreEdificio     | NOMBREEDIFICIO     |  | Characters (10) | 10 |  |
| NombreSector       | NOMBRESECTOR       |  | Characters (30) | 30 |  |
| Num_casa           | NUM_CASA           |  | Number (6)      | 6  |  |
| NumAnillos         | NUMANILLOS         |  | Number (3)      | 3  |  |
| NumDomicilio       | NUMDOMICILIO       |  | Number (7)      | 7  |  |
| Numeracion         | NUMERACION         |  | Number          |    |  |
| NumeroCamara       | NUMEROCAMARA       |  | Number (9)      | 9  |  |
| NumeroComercio     | NUMEROCOMERCIO     |  | Integer         |    |  |
| Numerodeparta      | NUMERODEPARTA      |  | Characters (10) | 10 |  |

|                 |                 |  |                 |    |  |
|-----------------|-----------------|--|-----------------|----|--|
| mento           | RTAMENTO        |  |                 |    |  |
| NumeroPoste     | NUMEROPOSTE     |  | Number (9)      | 9  |  |
| Pass            | PASS            |  | Characters (30) | 30 |  |
| PAssCliente     | PASSCLIENTE     |  | Characters (30) | 30 |  |
| Pisos           | PISOS           |  | Number (3)      | 3  |  |
| Propietario     | PROPIETARIO     |  | Characters (30) | 30 |  |
| SectorMapeo     | SECTORMAPEO     |  | Characters (30) | 30 |  |
| TipoCamara      | TIPOCAMARA      |  | Characters (30) | 30 |  |
| TipoDeSector    | TIPODESECTOR    |  | ?               |    |  |
| TipoEdificacion | TIPOEDIFICACION |  | Characters (30) | 30 |  |
| TipoNodo        | TIPONODO        |  | Characters (30) | 30 |  |
| TipoPoste       | TIPOPOSTE       |  | Characters (30) | 30 |  |
| TipoRuta        | TIPORUTA        |  | Characters (30) | 30 |  |
| TipoTendido     | TIPOTENDIDO     |  | Integer         |    |  |

#### IV.1.2 Data item Acceso

##### IV.1.2.1 Card of data item Acceso

|           |                 |
|-----------|-----------------|
| Name      | Acceso          |
| Code      | ACCESO          |
| Comment   |                 |
| Domain    | <None>          |
| Data Type | Characters (30) |
| Length    | 30              |
| Precision |                 |

##### IV.1.2.2 Standard checks of data item Acceso

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

##### IV.1.2.3 Server validation rule of the data item Acceso

%MINMAX% and %LISTVAL% and %CASE% and %RULES%



## IV.1.2.4 List of all dependencies of the data item Acceso

| Name   | Code   | Class Name       |
|--------|--------|------------------|
| Acceso | ACCESO | Entity Attribute |
| Acceso | ACCESO | Entity Attribute |
| Acceso | ACCESO | Entity Attribute |

## IV.1.3 Data item ApoyoTelmex

## IV.1.3.1 Card of data item ApoyoTelmex

|           |             |
|-----------|-------------|
| Name      | ApoyoTelmex |
| Code      | APOYOTELMEX |
| Comment   |             |
| Domain    | <None>      |
| Data Type | Byte        |
| Length    |             |
| Precision |             |

## IV.1.3.2 Standard checks of data item ApoyoTelmex

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

## IV.1.3.3 Server validation rule of the data item ApoyoTelmex

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

## IV.1.3.4 List of all dependencies of the data item ApoyoTelmex

| Name        | Code        | Class Name       |
|-------------|-------------|------------------|
| ApoyoTelmex | APOYOTELMEX | Entity Attribute |

## IV.1.4 Data item Attribute\_10

## IV.1.4.1 Card of data item Attribute\_10

|         |              |
|---------|--------------|
| Name    | Attribute_10 |
| Code    | ID           |
| Comment |              |
| Domain  | <None>       |

|           |             |
|-----------|-------------|
| Data Type | <Undefined> |
| Length    |             |
| Precision |             |

#### IV.1.4.2 Standard checks of data item Attribute\_10

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.4.3 Server validation rule of the data item Attribute\_10

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.4.4 List of all dependencies of the data item Attribute\_10

| Name         | Code | Class Name       |
|--------------|------|------------------|
| Attribute_10 | ID   | Entity Attribute |

### IV.1.5 Data item Block

#### IV.1.5.1 Card of data item Block

|           |                 |
|-----------|-----------------|
| Name      | Block           |
| Code      | BLOCK           |
| Comment   |                 |
| Domain    | <None>          |
| Data Type | Characters (30) |
| Length    | 30              |
| Precision |                 |

#### IV.1.5.2 Standard checks of data item Block

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.5.3 Server validation rule of the data item Block

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.5.4 List of all dependencies of the data item Block

| Name  | Code  | Class Name       |
|-------|-------|------------------|
| Block | BLOCK | Entity Attribute |

### IV.1.6 Data item CantDepartamentos

#### IV.1.6.1 Card of data item CantDepartamentos

|           |                   |
|-----------|-------------------|
| Name      | CantDepartamentos |
| Code      | CANTDEPARTAMENTOS |
| Comment   |                   |
| Domain    | <None>            |
| Data Type | Number (10)       |
| Length    | 10                |
| Precision |                   |

#### IV.1.6.2 Standard checks of data item CantDepartamentos

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.6.3 Server validation rule of the data item CantDepartamentos

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.6.4 List of all dependencies of the data item CantDepartamentos

| Name              | Code              | Class Name       |
|-------------------|-------------------|------------------|
| CantDepartamentos | CANTDEPARTAMENTOS | Entity Attribute |

### IV.1.7 Data item CantidadDepartamentos

#### IV.1.7.1 Card of data item CantidadDepartamentos

|         |                       |
|---------|-----------------------|
| Name    | CantidadDepartamentos |
| Code    | CANTIDADDEPARTAMENTOS |
| Comment |                       |

|           |             |
|-----------|-------------|
| Domain    | <None>      |
| Data Type | Number (10) |
| Length    | 10          |
| Precision |             |

#### IV.1.7.2 Standard checks of data item CantidadDepartamentos

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.7.3 Server validation rule of the data item CantidadDepartamentos

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.7.4 List of all dependencies of the data item CantidadDepartamentos

| Name                  | Code                  | Class Name       |
|-----------------------|-----------------------|------------------|
| CantidadDepartamentos | CANTIDADDEPARTAMENTOS | Entity Attribute |

### IV.1.8 Data item CantidadIntentos

#### IV.1.8.1 Card of data item CantidadIntentos

|           |                  |
|-----------|------------------|
| Name      | CantidadIntentos |
| Code      | CANTIDADINTENTOS |
| Comment   |                  |
| Domain    | <None>           |
| Data Type | Integer          |
| Length    |                  |
| Precision |                  |

#### IV.1.8.2 Standard checks of data item CantidadIntentos

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.8.3 Server validation rule of the data item CantidadIntentos

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.8.4 List of all dependencies of the data item CantidadIntentos

| Name             | Code             | Class Name       |
|------------------|------------------|------------------|
| CantidadIntentos | CANTIDADINTENTOS | Entity Attribute |

### IV.1.9 Data item CantidadLocales

#### IV.1.9.1 Card of data item CantidadLocales

|           |                 |
|-----------|-----------------|
| Name      | CantidadLocales |
| Code      | CANTIDADLOCALES |
| Comment   |                 |
| Domain    | <None>          |
| Data Type | Number (10)     |
| Length    | 10              |
| Precision |                 |

#### IV.1.9.2 Standard checks of data item CantidadLocales

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.9.3 Server validation rule of the data item CantidadLocales

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.9.4 List of all dependencies of the data item CantidadLocales

| Name            | Code            | Class Name       |
|-----------------|-----------------|------------------|
| CantidadLocales | CANTIDADLOCALES | Entity Attribute |

### IV.1.10 Data item CantidadOficinas

#### IV.1.10.1 Card of data item CantidadOficinas

|         |                  |
|---------|------------------|
| Name    | CantidadOficinas |
| Code    | CANTIDADOFICINAS |
| Comment |                  |

|           |             |
|-----------|-------------|
| Domain    | <None>      |
| Data Type | Number (10) |
| Length    | 10          |
| Precision |             |

#### IV.1.10.2 Standard checks of data item CantidadOficinas

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.10.3 Server validation rule of the data item CantidadOficinas

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.10.4 List of all dependencies of the data item CantidadOficinas

| Name             | Code             | Class Name       |
|------------------|------------------|------------------|
| CantidadOficinas | CANTIDADOFICINAS | Entity Attribute |

### IV.1.11 Data item CantidadPelosFibra

#### IV.1.11.1 Card of data item CantidadPelosFibra

|           |                    |
|-----------|--------------------|
| Name      | CantidadPelosFibra |
| Code      | CANTIDADPELOSFIBRA |
| Comment   |                    |
| Domain    | <None>             |
| Data Type | Number (3)         |
| Length    | 3                  |
| Precision |                    |

#### IV.1.11.2 Standard checks of data item CantidadPelosFibra

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.11.3 Server validation rule of the data item CantidadPelosFibra

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.11.4 List of all dependencies of the data item CantidadPelosFibra

| Name               | Code               | Class Name       |
|--------------------|--------------------|------------------|
| CantidadPelosFibra | CANTIDADPELOSFIBRA | Entity Attribute |

### IV.1.12 Data item CantidadPisos

#### IV.1.12.1 Card of data item CantidadPisos

|           |               |
|-----------|---------------|
| Name      | CantidadPisos |
| Code      | CANTIDADPISOS |
| Comment   |               |
| Domain    | <None>        |
| Data Type | Number        |
| Length    |               |
| Precision |               |

#### IV.1.12.2 Standard checks of data item CantidadPisos

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.12.3 Server validation rule of the data item CantidadPisos

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.12.4 List of all dependencies of the data item CantidadPisos

| Name          | Code          | Class Name       |
|---------------|---------------|------------------|
| CantidadPisos | CANTIDADPISOS | Entity Attribute |

### IV.1.13 Data item CantOficinas

#### IV.1.13.1 Card of data item CantOficinas

|         |              |
|---------|--------------|
| Name    | CantOficinas |
| Code    | CANTOFICINAS |
| Comment |              |

|           |             |
|-----------|-------------|
| Domain    | <None>      |
| Data Type | Number (10) |
| Length    | 10          |
| Precision |             |

#### IV.1.13.2 Standard checks of data item CantOficinas

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.13.3 Server validation rule of the data item CantOficinas

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.13.4 List of all dependencies of the data item CantOficinas

| Name         | Code         | Class Name       |
|--------------|--------------|------------------|
| CantOficinas | CANTOFICINAS | Entity Attribute |

### IV.1.14 Data item CantPisos

#### IV.1.14.1 Card of data item CantPisos

|           |             |
|-----------|-------------|
| Name      | CantPisos   |
| Code      | CANTPISOS   |
| Comment   |             |
| Domain    | <None>      |
| Data Type | Number (10) |
| Length    | 10          |
| Precision |             |

#### IV.1.14.2 Standard checks of data item CantPisos

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |



#### IV.1.14.3 Server validation rule of the data item CantPisos

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.14.4 List of all dependencies of the data item CantPisos

| Name      | Code      | Class Name       |
|-----------|-----------|------------------|
| CantPisos | CANTPISOS | Entity Attribute |

### IV.1.15 Data item Competencia

#### IV.1.15.1 Card of data item Competencia

|           |                 |
|-----------|-----------------|
| Name      | Competencia     |
| Code      | COMPETENCIA     |
| Comment   |                 |
| Domain    | <None>          |
| Data Type | Characters (30) |
| Length    | 30              |
| Precision |                 |

#### IV.1.15.2 Standard checks of data item Competencia

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.15.3 Server validation rule of the data item Competencia

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.15.4 List of all dependencies of the data item Competencia

| Name        | Code        | Class Name       |
|-------------|-------------|------------------|
| Competencia | COMPETENCIA | Entity Attribute |
| Competencia | COMPETENCIA | Entity Attribute |
| Competencia | COMPETENCIA | Entity Attribute |
| Competencia | COMPETENCIA | Entity Attribute |
| Competencia | COMPETENCIA | Entity Attribute |

### IV.1.16 Data item Coordenadas

#### IV.1.16.1 Card of data item Coordenadas

|           |             |
|-----------|-------------|
| Name      | Coordenadas |
| Code      | COORDENADAS |
| Comment   |             |
| Domain    | <None>      |
| Data Type | Float (15)  |
| Length    | 15          |
| Precision |             |

#### IV.1.16.2 Standard checks of data item Coordenadas

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.16.3 Server validation rule of the data item Coordenadas

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.16.4 List of all dependencies of the data item Coordenadas

| Name        | Code        | Class Name       |
|-------------|-------------|------------------|
| Coordenadas | COORDENADAS | Entity Attribute |

### IV.1.17 Data item Descripcion

#### IV.1.17.1 Card of data item Descripcion

|           |                 |
|-----------|-----------------|
| Name      | Descripcion     |
| Code      | DESCRIPCION     |
| Comment   |                 |
| Domain    | <None>          |
| Data Type | Characters (30) |
| Length    | 30              |
| Precision |                 |

#### IV.1.17.2 Standard checks of data item Descripcion

|               |  |
|---------------|--|
| Minimum Value |  |
|---------------|--|

|                |    |
|----------------|----|
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.17.3 Server validation rule of the data item Descripcion

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.17.4 List of all dependencies of the data item Descripcion

| Name        | Code        | Class Name       |
|-------------|-------------|------------------|
| Descripcion | DESCRIPCION | Entity Attribute |
| Descripcion | DESCRIPCION | Entity Attribute |

### IV.1.18 Data item DimensionesCamaras

#### IV.1.18.1 Card of data item DimensionesCamaras

|           |                    |
|-----------|--------------------|
| Name      | DimensionesCamaras |
| Code      | DIMENSIONESCAMARAS |
| Comment   |                    |
| Domain    | <None>             |
| Data Type | Float (10)         |
| Length    | 10                 |
| Precision |                    |

#### IV.1.18.2 Standard checks of data item DimensionesCamaras

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.18.3 Server validation rule of the data item DimensionesCamaras

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.18.4 List of all dependencies of the data item DimensionesCamaras

| Name               | Code               | Class Name       |
|--------------------|--------------------|------------------|
| DimensionesCamaras | DIMENSIONESCAMARAS | Entity Attribute |

#### IV.1.19 Data item DistanciaCamara

##### IV.1.19.1 Card of data item DistanciaCamara

|           |                 |
|-----------|-----------------|
| Name      | DistanciaCamara |
| Code      | DISTANCIACAMARA |
| Comment   |                 |
| Domain    | <None>          |
| Data Type | Float (9)       |
| Length    | 9               |
| Precision |                 |

##### IV.1.19.2 Standard checks of data item DistanciaCamara

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

##### IV.1.19.3 Server validation rule of the data item DistanciaCamara

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

##### IV.1.19.4 List of all dependencies of the data item DistanciaCamara

| Name            | Code            | Class Name       |
|-----------------|-----------------|------------------|
| DistanciaCamara | DISTANCIACAMARA | Entity Attribute |

#### IV.1.20 Data item DuctoEntreCamara

##### IV.1.20.1 Card of data item DuctoEntreCamara

|           |                  |
|-----------|------------------|
| Name      | DuctoEntreCamara |
| Code      | DUCTOENTRECAMARA |
| Comment   |                  |
| Domain    | <None>           |
| Data Type | Characters (30)  |
| Length    | 30               |
| Precision |                  |

## IV.1.20.2 Standard checks of data item DuctoEntreCamara

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

## IV.1.20.3 Server validation rule of the data item DuctoEntreCamara

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

## IV.1.20.4 List of all dependencies of the data item DuctoEntreCamara

| Name             | Code             | Class Name       |
|------------------|------------------|------------------|
| DuctoEntreCamara | DUCTOENTRECAMARA | Entity Attribute |

IV.1.21 *Data item Email*

## IV.1.21.1 Card of data item Email

|           |                 |
|-----------|-----------------|
| Name      | Email           |
| Code      | EMAIL           |
| Comment   |                 |
| Domain    | <None>          |
| Data Type | Characters (30) |
| Length    | 30              |
| Precision |                 |

## IV.1.21.2 Standard checks of data item Email

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

## IV.1.21.3 Server validation rule of the data item Email

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

## IV.1.21.4 List of all dependencies of the data item Email

| Name  | Code  | Class Name       |
|-------|-------|------------------|
| Email | EMAIL | Entity Attribute |

IV.1.22 *Data item Equipamiento*

## IV.1.22.1 Card of data item Equipamiento

|           |                 |
|-----------|-----------------|
| Name      | Equipamiento    |
| Code      | EQUIPAMIENTO    |
| Comment   |                 |
| Domain    | <None>          |
| Data Type | Characters (30) |
| Length    | 30              |
| Precision |                 |

## IV.1.22.2 Standard checks of data item Equipamiento

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

## IV.1.22.3 Server validation rule of the data item Equipamiento

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

## IV.1.22.4 List of all dependencies of the data item Equipamiento

| Name         | Code         | Class Name       |
|--------------|--------------|------------------|
| Equipamiento | EQUIPAMIENTO | Entity Attribute |

IV.1.23 *Data item Estado*

## IV.1.23.1 Card of data item Estado

|           |                 |
|-----------|-----------------|
| Name      | Estado          |
| Code      | ESTADO          |
| Comment   |                 |
| Domain    | <None>          |
| Data Type | Characters (30) |
| Length    | 30              |

|           |  |
|-----------|--|
| Precision |  |
|-----------|--|

#### IV.1.23.2 Standard checks of data item Estado

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.23.3 Server validation rule of the data item Estado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.23.4 List of all dependencies of the data item Estado

| Name   | Code   | Class Name       |
|--------|--------|------------------|
| Estado | ESTADO | Entity Attribute |
| Estado | ESTADO | Entity Attribute |
| Estado | ESTADO | Entity Attribute |
| Estado | ESTADO | Entity Attribute |

### IV.1.24 Data item EstadoConservacion

#### IV.1.24.1 Card of data item EstadoConservacion

|           |                    |
|-----------|--------------------|
| Name      | EstadoConservacion |
| Code      | ESTADOCONSERVACION |
| Comment   |                    |
| Domain    | <None>             |
| Data Type | Characters (30)    |
| Length    | 30                 |
| Precision |                    |

#### IV.1.24.2 Standard checks of data item EstadoConservacion

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.24.3 Server validation rule of the data item EstadoConservacion

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.24.4 List of all dependencies of the data item EstadoConservacion

| Name               | Code               | Class Name       |
|--------------------|--------------------|------------------|
| EstadoConservacion | ESTADOCONSERVACION | Entity Attribute |

### IV.1.25 Data item EstadoConstruccion

#### IV.1.25.1 Card of data item EstadoConstruccion

|           |                    |
|-----------|--------------------|
| Name      | EstadoConstruccion |
| Code      | ESTADOCONSTRUCCION |
| Comment   |                    |
| Domain    | <None>             |
| Data Type | Characters (20)    |
| Length    | 20                 |
| Precision |                    |

#### IV.1.25.2 Standard checks of data item EstadoConstruccion

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.25.3 Server validation rule of the data item EstadoConstruccion

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.25.4 List of all dependencies of the data item EstadoConstruccion

| Name               | Code               | Class Name       |
|--------------------|--------------------|------------------|
| EstadoConstruccion | ESTADOCONSTRUCCION | Entity Attribute |

### IV.1.26 Data item FechaCreacion

#### IV.1.26.1 Card of data item FechaCreacion

|         |               |
|---------|---------------|
| Name    | FechaCreacion |
| Code    | FECHACREACION |
| Comment |               |



|           |             |
|-----------|-------------|
| Domain    | <None>      |
| Data Type | Date & Time |
| Length    |             |
| Precision |             |

#### IV.1.26.2 Standard checks of data item FechaCreacion

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.26.3 Server validation rule of the data item FechaCreacion

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.26.4 List of all dependencies of the data item FechaCreacion

| Name          | Code          | Class Name       |
|---------------|---------------|------------------|
| FechaCreacion | FECHACREACION | Entity Attribute |

### IV.1.27 Data item FechaUltimoIngreso

#### IV.1.27.1 Card of data item FechaUltimoIngreso

|           |                    |
|-----------|--------------------|
| Name      | FechaUltimoIngreso |
| Code      | FECHAULTIMOINGRESO |
| Comment   |                    |
| Domain    | <None>             |
| Data Type | Date & Time        |
| Length    |                    |
| Precision |                    |

#### IV.1.27.2 Standard checks of data item FechaUltimoIngreso

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

### IV.1.27.3 Server validation rule of the data item FechaUltimoIngreso

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### IV.1.27.4 List of all dependencies of the data item FechaUltimoIngreso

| Name               | Code               | Class Name       |
|--------------------|--------------------|------------------|
| FechaUltimoIngreso | FECHAULTIMOINGRESO | Entity Attribute |

## IV.1.28 Data item Id\_Calles

### IV.1.28.1 Card of data item Id\_Calles

|           |             |
|-----------|-------------|
| Name      | Id_Calles   |
| Code      | ID_CALLES   |
| Comment   |             |
| Domain    | <None>      |
| Data Type | <Undefined> |
| Length    |             |
| Precision |             |

### IV.1.28.2 Standard checks of data item Id\_Calles

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

### IV.1.28.3 Server validation rule of the data item Id\_Calles

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### IV.1.28.4 List of all dependencies of the data item Id\_Calles

| Name      | Code      | Class Name       |
|-----------|-----------|------------------|
| Id_Calles | ID_CALLES | Entity Attribute |

## IV.1.29 Data item Id\_Proyecto

### IV.1.29.1 Card of data item Id\_Proyecto

|         |             |
|---------|-------------|
| Name    | Id_Proyecto |
| Code    | ID_PROYECTO |
| Comment |             |

|           |         |
|-----------|---------|
| Domain    | <None>  |
| Data Type | Integer |
| Length    |         |
| Precision |         |

#### IV.1.29.2 Standard checks of data item Id\_Proyecto

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.29.3 Server validation rule of the data item Id\_Proyecto

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.29.4 List of all dependencies of the data item Id\_Proyecto

| Name        | Code        | Class Name       |
|-------------|-------------|------------------|
| Id_Proyecto | ID_PROYECTO | Entity Attribute |

### IV.1.30 Data item ID\_T\_U

#### IV.1.30.1 Card of data item ID\_T\_U

|           |         |
|-----------|---------|
| Name      | ID_T_U  |
| Code      | ID_T_U  |
| Comment   |         |
| Domain    | <None>  |
| Data Type | Integer |
| Length    |         |
| Precision |         |

#### IV.1.30.2 Standard checks of data item ID\_T\_U

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

## IV.1.30.3 Server validation rule of the data item ID\_T\_U

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

## IV.1.30.4 List of all dependencies of the data item ID\_T\_U

| Name   | Code   | Class Name       |
|--------|--------|------------------|
| ID_T_U | ID_T_U | Entity Attribute |

## IV.1.31 Data item IDCliente

## IV.1.31.1 Card of data item IDCliente

|           |           |
|-----------|-----------|
| Name      | IDCliente |
| Code      | IDCLIENTE |
| Comment   |           |
| Domain    | <None>    |
| Data Type | Integer   |
| Length    |           |
| Precision |           |

## IV.1.31.2 Standard checks of data item IDCliente

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

## IV.1.31.3 Server validation rule of the data item IDCliente

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

## IV.1.31.4 List of all dependencies of the data item IDCliente

| Name      | Code      | Class Name       |
|-----------|-----------|------------------|
| IDCliente | IDCLIENTE | Entity Attribute |

## IV.1.32 Data item IDcomercial

## IV.1.32.1 Card of data item IDcomercial

|         |             |
|---------|-------------|
| Name    | IDcomercial |
| Code    | IDCOMERCIAL |
| Comment |             |

|           |         |
|-----------|---------|
| Domain    | <None>  |
| Data Type | Integer |
| Length    |         |
| Precision |         |

#### IV.1.32.2 Standard checks of data item IDcomercial

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.32.3 Server validation rule of the data item IDcomercial

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.32.4 List of all dependencies of the data item IDcomercial

| Name        | Code        | Class Name       |
|-------------|-------------|------------------|
| IDcomercial | IDCOMERCIAL | Entity Attribute |

### IV.1.33 Data item IDDepartamento

#### IV.1.33.1 Card of data item IDDepartamento

|           |                |
|-----------|----------------|
| Name      | IDDepartamento |
| Code      | IDDEPARTAMENTO |
| Comment   |                |
| Domain    | <None>         |
| Data Type | Integer        |
| Length    |                |
| Precision |                |

#### IV.1.33.2 Standard checks of data item IDDepartamento

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.33.3 Server validation rule of the data item IDDepartamento

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.33.4 List of all dependencies of the data item IDDepartamento

| Name           | Code           | Class Name       |
|----------------|----------------|------------------|
| IDDepartamento | IDDEPARTAMENTO | Entity Attribute |

### IV.1.34 Data item IDdomicilio

#### IV.1.34.1 Card of data item IDdomicilio

|           |             |
|-----------|-------------|
| Name      | IDdomicilio |
| Code      | IDDOMICILIO |
| Comment   |             |
| Domain    | <None>      |
| Data Type | Integer     |
| Length    |             |
| Precision |             |

#### IV.1.34.2 Standard checks of data item IDdomicilio

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.34.3 Server validation rule of the data item IDdomicilio

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.34.4 List of all dependencies of the data item IDdomicilio

| Name        | Code        | Class Name       |
|-------------|-------------|------------------|
| IDdomicilio | IDDOMICILIO | Entity Attribute |

### IV.1.35 Data item IdEquipamiento

#### IV.1.35.1 Card of data item IdEquipamiento

|         |                |
|---------|----------------|
| Name    | IdEquipamiento |
| Code    | IDEQUIPAMIENTO |
| Comment |                |

|           |         |
|-----------|---------|
| Domain    | <None>  |
| Data Type | Integer |
| Length    |         |
| Precision |         |

#### IV.1.35.2 Standard checks of data item IdEquipamiento

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.35.3 Server validation rule of the data item IdEquipamiento

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.35.4 List of all dependencies of the data item IdEquipamiento

| Name           | Code           | Class Name       |
|----------------|----------------|------------------|
| IdEquipamiento | IDEQUIPAMIENTO | Entity Attribute |

### IV.1.36 Data item IdEspecial

#### IV.1.36.1 Card of data item IdEspecial

|           |            |
|-----------|------------|
| Name      | IdEspecial |
| Code      | IDESPECIAL |
| Comment   |            |
| Domain    | <None>     |
| Data Type | Integer    |
| Length    |            |
| Precision |            |

#### IV.1.36.2 Standard checks of data item IdEspecial

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.36.3 Server validation rule of the data item IdEspecial

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.36.4 List of all dependencies of the data item IdEspecial

| Name       | Code       | Class Name       |
|------------|------------|------------------|
| IdEspecial | IDESPECIAL | Entity Attribute |

### IV.1.37 Data item IdtipoNodo

#### IV.1.37.1 Card of data item IdtipoNodo

|           |            |
|-----------|------------|
| Name      | IdtipoNodo |
| Code      | IDTIPONODO |
| Comment   |            |
| Domain    | <None>     |
| Data Type | Integer    |
| Length    |            |
| Precision |            |

#### IV.1.37.2 Standard checks of data item IdtipoNodo

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.37.3 Server validation rule of the data item IdtipoNodo

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.37.4 List of all dependencies of the data item IdtipoNodo

| Name       | Code       | Class Name       |
|------------|------------|------------------|
| IdtipoNodo | IDTIPONODO | Entity Attribute |
| IdtipoNodo | IDTIPONODO | Entity Attribute |

### IV.1.38 Data item IDtipoUsuario

#### IV.1.38.1 Card of data item IDtipoUsuario

|      |               |
|------|---------------|
| Name | IDtipoUsuario |
| Code | IDTIPOUSUARIO |



|           |         |
|-----------|---------|
| Comment   |         |
| Domain    | <None>  |
| Data Type | Integer |
| Length    |         |
| Precision |         |

#### IV.1.38.2 Standard checks of data item IDtipoUsuario

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.38.3 Server validation rule of the data item IDtipoUsuario

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.38.4 List of all dependencies of the data item IDtipoUsuario

| Name          | Code          | Class Name       |
|---------------|---------------|------------------|
| IDtipoUsuario | IDTIPOUSUARIO | Entity Attribute |

### IV.1.39 Data item Material

#### IV.1.39.1 Card of data item Material

|           |                 |
|-----------|-----------------|
| Name      | Material        |
| Code      | MATERIAL        |
| Comment   |                 |
| Domain    | <None>          |
| Data Type | Characters (30) |
| Length    | 30              |
| Precision |                 |

#### IV.1.39.2 Standard checks of data item Material

|               |    |
|---------------|----|
| Minimum Value |    |
| Maximum Value |    |
| Default Value |    |
| Unit          |    |
| Format        |    |
| Cannot Modify | No |

|                |  |
|----------------|--|
| List Of Values |  |
|----------------|--|

#### IV.1.39.3 Server validation rule of the data item Material

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.39.4 List of all dependencies of the data item Material

| Name     | Code     | Class Name       |
|----------|----------|------------------|
| Material | MATERIAL | Entity Attribute |

### IV.1.40 Data item MetrosReserva

#### IV.1.40.1 Card of data item MetrosReserva

|           |               |
|-----------|---------------|
| Name      | MetrosReserva |
| Code      | METROSRESERVA |
| Comment   |               |
| Domain    | <None>        |
| Data Type | Float         |
| Length    |               |
| Precision |               |

#### IV.1.40.2 Standard checks of data item MetrosReserva

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.40.3 Server validation rule of the data item MetrosReserva

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.40.4 List of all dependencies of the data item MetrosReserva

| Name          | Code          | Class Name       |
|---------------|---------------|------------------|
| MetrosReserva | METROSRESERVA | Entity Attribute |

### IV.1.41 Data item Nick

#### IV.1.41.1 Card of data item Nick

|      |      |
|------|------|
| Name | Nick |
|------|------|

|           |                 |
|-----------|-----------------|
| Code      | NICK            |
| Comment   |                 |
| Domain    | <None>          |
| Data Type | Characters (30) |
| Length    | 30              |
| Precision |                 |

#### IV.1.41.2 Standard checks of data item Nick

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.41.3 Server validation rule of the data item Nick

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.41.4 List of all dependencies of the data item Nick

| Name | Code | Class Name       |
|------|------|------------------|
| Nick | NICK | Entity Attribute |

### IV.1.42 Data item Nombre

#### IV.1.42.1 Card of data item Nombre

|           |                 |
|-----------|-----------------|
| Name      | Nombre          |
| Code      | NOMBRE          |
| Comment   |                 |
| Domain    | <None>          |
| Data Type | Characters (30) |
| Length    | 30              |
| Precision |                 |

#### IV.1.42.2 Standard checks of data item Nombre

|               |  |
|---------------|--|
| Minimum Value |  |
| Maximum Value |  |
| Default Value |  |
| Unit          |  |
| Format        |  |

|                |    |
|----------------|----|
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.42.3 Server validation rule of the data item Nombre

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.42.4 List of all dependencies of the data item Nombre

| Name   | Code   | Class Name       |
|--------|--------|------------------|
| Nombre | NOMBRE | Entity Attribute |
| Nombre | NOMBRE | Entity Attribute |
| Nombre | NOMBRE | Entity Attribute |
| Nombre | NOMBRE | Entity Attribute |

### IV.1.43 Data item NombreCalles

#### IV.1.43.1 Card of data item NombreCalles

|           |              |
|-----------|--------------|
| Name      | NombreCalles |
| Code      | NOMBRECALLE  |
| Comment   |              |
| Domain    | <None>       |
| Data Type | <Undefined>  |
| Length    |              |
| Precision |              |

#### IV.1.43.2 Standard checks of data item NombreCalles

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.43.3 Server validation rule of the data item NombreCalles

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.43.4 List of all dependencies of the data item NombreCalles

| Name         | Code        | Class Name       |
|--------------|-------------|------------------|
| NombreCalles | NOMBRECALLE | Entity Attribute |

#### IV.1.44 *Data item NombreCliente*

##### IV.1.44.1 Card of data item NombreCliente

|           |                 |
|-----------|-----------------|
| Name      | NombreCliente   |
| Code      | NOMBRECLIENTE   |
| Comment   |                 |
| Domain    | <None>          |
| Data Type | Characters (30) |
| Length    | 30              |
| Precision |                 |

##### IV.1.44.2 Standard checks of data item NombreCliente

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

##### IV.1.44.3 Server validation rule of the data item NombreCliente

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

##### IV.1.44.4 List of all dependencies of the data item NombreCliente

| Name          | Code          | Class Name       |
|---------------|---------------|------------------|
| NombreCliente | NOMBRECLIENTE | Entity Attribute |

#### IV.1.45 *Data item NombreEdificio*

##### IV.1.45.1 Card of data item NombreEdificio

|           |                 |
|-----------|-----------------|
| Name      | NombreEdificio  |
| Code      | NOMBREEDIFICIO  |
| Comment   |                 |
| Domain    | <None>          |
| Data Type | Characters (10) |
| Length    | 10              |
| Precision |                 |

##### IV.1.45.2 Standard checks of data item NombreEdificio

|               |  |
|---------------|--|
| Minimum Value |  |
|---------------|--|

|                |    |
|----------------|----|
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.45.3 Server validation rule of the data item NombreEdificio

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.45.4 List of all dependencies of the data item NombreEdificio

| Name           | Code           | Class Name       |
|----------------|----------------|------------------|
| NombreEdificio | NOMBREEDIFICIO | Entity Attribute |

### IV.1.46 Data item NombreSector

#### IV.1.46.1 Card of data item NombreSector

|           |                 |
|-----------|-----------------|
| Name      | NombreSector    |
| Code      | NOMBRESECTOR    |
| Comment   |                 |
| Domain    | <None>          |
| Data Type | Characters (30) |
| Length    | 30              |
| Precision |                 |

#### IV.1.46.2 Standard checks of data item NombreSector

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.46.3 Server validation rule of the data item NombreSector

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.46.4 List of all dependencies of the data item NombreSector

| Name         | Code         | Class Name       |
|--------------|--------------|------------------|
| NombreSector | NOMBRESECTOR | Entity Attribute |

#### IV.1.47 Data item Num\_casa

##### IV.1.47.1 Card of data item Num\_casa

|           |            |
|-----------|------------|
| Name      | Num_casa   |
| Code      | NUM_CASA   |
| Comment   |            |
| Domain    | <None>     |
| Data Type | Number (6) |
| Length    | 6          |
| Precision |            |

##### IV.1.47.2 Standard checks of data item Num\_casa

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

##### IV.1.47.3 Server validation rule of the data item Num\_casa

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

##### IV.1.47.4 List of all dependencies of the data item Num\_casa

| Name     | Code     | Class Name       |
|----------|----------|------------------|
| Num_casa | NUM_CASA | Entity Attribute |

#### IV.1.48 Data item NumAnillos

##### IV.1.48.1 Card of data item NumAnillos

|           |            |
|-----------|------------|
| Name      | NumAnillos |
| Code      | NUMANILLOS |
| Comment   |            |
| Domain    | <None>     |
| Data Type | Number (3) |
| Length    | 3          |
| Precision |            |

##### IV.1.48.2 Standard checks of data item NumAnillos

|               |  |
|---------------|--|
| Minimum Value |  |
|---------------|--|

|                |    |
|----------------|----|
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.48.3 Server validation rule of the data item NumAnillos

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.48.4 List of all dependencies of the data item NumAnillos

| Name       | Code       | Class Name       |
|------------|------------|------------------|
| NumAnillos | NUMANILLOS | Entity Attribute |

### IV.1.49 Data item NumDomicilio

#### IV.1.49.1 Card of data item NumDomicilio

|           |              |
|-----------|--------------|
| Name      | NumDomicilio |
| Code      | NUMDOMICILIO |
| Comment   |              |
| Domain    | <None>       |
| Data Type | Number (7)   |
| Length    | 7            |
| Precision |              |

#### IV.1.49.2 Standard checks of data item NumDomicilio

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.49.3 Server validation rule of the data item NumDomicilio

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.49.4 List of all dependencies of the data item NumDomicilio

| Name         | Code         | Class Name       |
|--------------|--------------|------------------|
| NumDomicilio | NUMDOMICILIO | Entity Attribute |



### IV.1.50 *Data item Numeracion*

#### IV.1.50.1 Card of data item Numeracion

|           |            |
|-----------|------------|
| Name      | Numeracion |
| Code      | NUMERACION |
| Comment   |            |
| Domain    | <None>     |
| Data Type | Number     |
| Length    |            |
| Precision |            |

#### IV.1.50.2 Standard checks of data item Numeracion

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.50.3 Server validation rule of the data item Numeracion

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.50.4 List of all dependencies of the data item Numeracion

| Name       | Code       | Class Name       |
|------------|------------|------------------|
| Numeracion | NUMERACION | Entity Attribute |

### IV.1.51 *Data item NumeroCamara*

#### IV.1.51.1 Card of data item NumeroCamara

|           |              |
|-----------|--------------|
| Name      | NumeroCamara |
| Code      | NUMEROCAMARA |
| Comment   |              |
| Domain    | <None>       |
| Data Type | Number (9)   |
| Length    | 9            |
| Precision |              |

#### IV.1.51.2 Standard checks of data item NumeroCamara

|               |  |
|---------------|--|
| Minimum Value |  |
|---------------|--|

|                |    |
|----------------|----|
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.51.3 Server validation rule of the data item NumeroCamara

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.51.4 List of all dependencies of the data item NumeroCamara

| Name         | Code         | Class Name       |
|--------------|--------------|------------------|
| NumeroCamara | NUMEROCAMARA | Entity Attribute |

### IV.1.52 Data item NumeroComercio

#### IV.1.52.1 Card of data item NumeroComercio

|           |                |
|-----------|----------------|
| Name      | NumeroComercio |
| Code      | NUMEROCOMERCIO |
| Comment   |                |
| Domain    | <None>         |
| Data Type | Integer        |
| Length    |                |
| Precision |                |

#### IV.1.52.2 Standard checks of data item NumeroComercio

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.52.3 Server validation rule of the data item NumeroComercio

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.52.4 List of all dependencies of the data item NumeroComercio

| Name           | Code           | Class Name       |
|----------------|----------------|------------------|
| NumeroComercio | NUMEROCOMERCIO | Entity Attribute |

### IV.1.53 *Data item Numerodepartamento*

#### IV.1.53.1 Card of data item Numerodepartamento

|           |                    |
|-----------|--------------------|
| Name      | Numerodepartamento |
| Code      | NUMERODEPARTAMENTO |
| Comment   |                    |
| Domain    | <None>             |
| Data Type | Characters (10)    |
| Length    | 10                 |
| Precision |                    |

#### IV.1.53.2 Standard checks of data item Numerodepartamento

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.53.3 Server validation rule of the data item Numerodepartamento

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.53.4 List of all dependencies of the data item Numerodepartamento

| Name               | Code               | Class Name       |
|--------------------|--------------------|------------------|
| Numerodepartamento | NUMERODEPARTAMENTO | Entity Attribute |

### IV.1.54 *Data item NumeroPoste*

#### IV.1.54.1 Card of data item NumeroPoste

|           |             |
|-----------|-------------|
| Name      | NumeroPoste |
| Code      | NUMEROPOSTE |
| Comment   |             |
| Domain    | <None>      |
| Data Type | Number (9)  |
| Length    | 9           |
| Precision |             |

#### IV.1.54.2 Standard checks of data item NumeroPoste

|               |  |
|---------------|--|
| Minimum Value |  |
|---------------|--|

|                |    |
|----------------|----|
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.54.3 Server validation rule of the data item NumeroPoste

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.54.4 List of all dependencies of the data item NumeroPoste

| Name        | Code        | Class Name       |
|-------------|-------------|------------------|
| NumeroPoste | NUMEROPOSTE | Entity Attribute |

### IV.1.55 Data item Pass

#### IV.1.55.1 Card of data item Pass

|           |                 |
|-----------|-----------------|
| Name      | Pass            |
| Code      | PASS            |
| Comment   |                 |
| Domain    | <None>          |
| Data Type | Characters (30) |
| Length    | 30              |
| Precision |                 |

#### IV.1.55.2 Standard checks of data item Pass

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.55.3 Server validation rule of the data item Pass

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.55.4 List of all dependencies of the data item Pass

| Name | Code | Class Name       |
|------|------|------------------|
| Pass | PASS | Entity Attribute |

### IV.1.56 Data item PAssCliente

#### IV.1.56.1 Card of data item PAssCliente

|           |                 |
|-----------|-----------------|
| Name      | PAssCliente     |
| Code      | PASSCLIENTE     |
| Comment   |                 |
| Domain    | <None>          |
| Data Type | Characters (30) |
| Length    | 30              |
| Precision |                 |

#### IV.1.56.2 Standard checks of data item PAssCliente

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.56.3 Server validation rule of the data item PAssCliente

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.56.4 List of all dependencies of the data item PAssCliente

| Name        | Code        | Class Name       |
|-------------|-------------|------------------|
| PAssCliente | PASSCLIENTE | Entity Attribute |

### IV.1.57 Data item Pisos

#### IV.1.57.1 Card of data item Pisos

|           |            |
|-----------|------------|
| Name      | Pisos      |
| Code      | PISOS      |
| Comment   |            |
| Domain    | <None>     |
| Data Type | Number (3) |
| Length    | 3          |
| Precision |            |

#### IV.1.57.2 Standard checks of data item Pisos

|               |  |
|---------------|--|
| Minimum Value |  |
|---------------|--|

|                |    |
|----------------|----|
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.57.3 Server validation rule of the data item Pisos

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.57.4 List of all dependencies of the data item Pisos

| Name  | Code  | Class Name       |
|-------|-------|------------------|
| Pisos | PISOS | Entity Attribute |

### IV.1.58 Data item Propietario

#### IV.1.58.1 Card of data item Propietario

|           |                 |
|-----------|-----------------|
| Name      | Propietario     |
| Code      | PROPIETARIO     |
| Comment   |                 |
| Domain    | <None>          |
| Data Type | Characters (30) |
| Length    | 30              |
| Precision |                 |

#### IV.1.58.2 Standard checks of data item Propietario

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.58.3 Server validation rule of the data item Propietario

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.58.4 List of all dependencies of the data item Propietario

| Name        | Code        | Class Name       |
|-------------|-------------|------------------|
| Propietario | PROPIETARIO | Entity Attribute |

### IV.1.59 Data item SectorMapeo

#### IV.1.59.1 Card of data item SectorMapeo

|           |                 |
|-----------|-----------------|
| Name      | SectorMapeo     |
| Code      | SECTORMAPEO     |
| Comment   |                 |
| Domain    | <None>          |
| Data Type | Characters (30) |
| Length    | 30              |
| Precision |                 |

#### IV.1.59.2 Standard checks of data item SectorMapeo

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.59.3 Server validation rule of the data item SectorMapeo

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.59.4 List of all dependencies of the data item SectorMapeo

| Name        | Code        | Class Name       |
|-------------|-------------|------------------|
| SectorMapeo | SECTORMAPEO | Entity Attribute |

### IV.1.60 Data item TipoCamara

#### IV.1.60.1 Card of data item TipoCamara

|           |                 |
|-----------|-----------------|
| Name      | TipoCamara      |
| Code      | TIPOCAMARA      |
| Comment   |                 |
| Domain    | <None>          |
| Data Type | Characters (30) |
| Length    | 30              |
| Precision |                 |

#### IV.1.60.2 Standard checks of data item TipoCamara

|               |  |
|---------------|--|
| Minimum Value |  |
|---------------|--|

|                |    |
|----------------|----|
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.60.3 Server validation rule of the data item TipoCamara

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.60.4 List of all dependencies of the data item TipoCamara

| Name       | Code       | Class Name       |
|------------|------------|------------------|
| TipoCamara | TIPOCAMARA | Entity Attribute |

### IV.1.61 Data item TipoDeSector

#### IV.1.61.1 Card of data item TipoDeSector

|           |              |
|-----------|--------------|
| Name      | TipoDeSector |
| Code      | TIPODESECTOR |
| Comment   |              |
| Domain    | <None>       |
| Data Type | <Undefined>  |
| Length    |              |
| Precision |              |

#### IV.1.61.2 Standard checks of data item TipoDeSector

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.61.3 Server validation rule of the data item TipoDeSector

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.61.4 List of all dependencies of the data item TipoDeSector

| Name         | Code         | Class Name       |
|--------------|--------------|------------------|
| TipoDeSector | TIPODESECTOR | Entity Attribute |



### IV.1.62 *Data item TipoEdificacion*

#### IV.1.62.1 Card of data item TipoEdificacion

|           |                 |
|-----------|-----------------|
| Name      | TipoEdificacion |
| Code      | TIPOEDIFICACION |
| Comment   |                 |
| Domain    | <None>          |
| Data Type | Characters (30) |
| Length    | 30              |
| Precision |                 |

#### IV.1.62.2 Standard checks of data item TipoEdificacion

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.62.3 Server validation rule of the data item TipoEdificacion

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.62.4 List of all dependencies of the data item TipoEdificacion

| Name            | Code            | Class Name       |
|-----------------|-----------------|------------------|
| TipoEdificacion | TIPOEDIFICACION | Entity Attribute |

### IV.1.63 *Data item TipoNode*

#### IV.1.63.1 Card of data item TipoNode

|           |                 |
|-----------|-----------------|
| Name      | TipoNode        |
| Code      | TIPONODO        |
| Comment   |                 |
| Domain    | <None>          |
| Data Type | Characters (30) |
| Length    | 30              |
| Precision |                 |

#### IV.1.63.2 Standard checks of data item TipoNode

|               |  |
|---------------|--|
| Minimum Value |  |
|---------------|--|

|                |    |
|----------------|----|
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.63.3 Server validation rule of the data item TipoNodo

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.63.4 List of all dependencies of the data item TipoNodo

| Name     | Code     | Class Name       |
|----------|----------|------------------|
| TipoNodo | TIPONODO | Entity Attribute |
| TipoNodo | TIPONODO | Entity Attribute |
| TipoNodo | TIPONODO | Entity Attribute |

### IV.1.64 Data item TipoPoste

#### IV.1.64.1 Card of data item TipoPoste

|           |                 |
|-----------|-----------------|
| Name      | TipoPoste       |
| Code      | TIPOPOSTE       |
| Comment   |                 |
| Domain    | <None>          |
| Data Type | Characters (30) |
| Length    | 30              |
| Precision |                 |

#### IV.1.64.2 Standard checks of data item TipoPoste

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.64.3 Server validation rule of the data item TipoPoste

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.64.4 List of all dependencies of the data item TipoPoste

| Name | Code | Class Name |
|------|------|------------|
|------|------|------------|

|           |           |                  |
|-----------|-----------|------------------|
| TipoPoste | TIPOPOSTE | Entity Attribute |
|-----------|-----------|------------------|

#### IV.1.65 Data item TipoRuta

##### IV.1.65.1 Card of data item TipoRuta

|           |                 |
|-----------|-----------------|
| Name      | TipoRuta        |
| Code      | TIPORUTA        |
| Comment   |                 |
| Domain    | <None>          |
| Data Type | Characters (30) |
| Length    | 30              |
| Precision |                 |

##### IV.1.65.2 Standard checks of data item TipoRuta

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

##### IV.1.65.3 Server validation rule of the data item TipoRuta

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

##### IV.1.65.4 List of all dependencies of the data item TipoRuta

| Name     | Code     | Class Name       |
|----------|----------|------------------|
| TipoRuta | TIPORUTA | Entity Attribute |

#### IV.1.66 Data item TipoTendido

##### IV.1.66.1 Card of data item TipoTendido

|           |             |
|-----------|-------------|
| Name      | TipoTendido |
| Code      | TIPOTENDIDO |
| Comment   |             |
| Domain    | <None>      |
| Data Type | Integer     |
| Length    |             |
| Precision |             |

#### IV.1.66.2 Standard checks of data item TipoTendido

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### IV.1.66.3 Server validation rule of the data item TipoTendido

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### IV.1.66.4 List of all dependencies of the data item TipoTendido

| Name        | Code        | Class Name       |
|-------------|-------------|------------------|
| TipoTendido | TIPOTENDIDO | Entity Attribute |

## V Entities

### V.1 Model level entities

#### V.1.1 List of entities

| Name             | Code                 | Parent                                       | Generate | Number |
|------------------|----------------------|----------------------------------------------|----------|--------|
| Calles           | CALLES               | Conceptual Data Model<br>'Conceptual Data_1' | X        |        |
| Cliente          | CLIENTE              | Conceptual Data Model<br>'Conceptual Data_1' | X        |        |
| Comercial        | COMERCIAL            | Conceptual Data Model<br>'Conceptual Data_1' | X        |        |
| Domiciliario     | DOMICILIARIO         | Conceptual Data Model<br>'Conceptual Data_1' | X        |        |
| Edificacion      | EDIFICACION          | Conceptual Data Model<br>'Conceptual Data_1' | X        |        |
| Edificios        | EDIFICIOS            | Conceptual Data Model<br>'Conceptual Data_1' | X        |        |
| Equipamiento     | EQUIPAMIENTO         | Conceptual Data Model<br>'Conceptual Data_1' | X        |        |
| Especial         | ESPECIAL             | Conceptual Data Model<br>'Conceptual Data_1' | X        |        |
| Mapa             | MAPA                 | Conceptual Data Model<br>'Conceptual Data_1' | X        |        |
| Nodo             | NODO                 | Conceptual Data Model<br>'Conceptual Data_1' | X        |        |
| Proyecto         | PROYECTO             | Conceptual Data Model<br>'Conceptual Data_1' | X        |        |
| Ruta_Subterranea | RUTA_SUBTERRAN<br>EA | Conceptual Data Model<br>'Conceptual Data_1' | X        |        |
| RutaAerea        | RUTAAEREA            | Conceptual Data Model<br>'Conceptual Data_1' | X        |        |
| Tendido          | TENDIDO              | Conceptual Data Model<br>'Conceptual Data_1' | X        |        |
| TipoNodo         | TIPONODO             | Conceptual Data Model<br>'Conceptual Data_1' | X        |        |
| TipoUsuario      | TIPOUSUARIO          | Conceptual Data Model<br>'Conceptual Data_1' | X        |        |
| Usuario          | USUARIO              | Conceptual Data Model<br>'Conceptual Data_1' | X        |        |

#### V.1.2 List of entity identifiers

| Name | Code | Parent |
|------|------|--------|
|------|------|--------|

|              |              |                       |
|--------------|--------------|-----------------------|
| Identifier_1 | IDENTIFIER_1 | Entity 'Usuario'      |
| Identifier_1 | IDENTIFIER_1 | Entity 'Proyecto'     |
| Identifier_1 | IDENTIFIER_1 | Entity 'Calles'       |
| Identifier_1 | IDENTIFIER_1 | Entity 'Edificacion'  |
| Identifier_1 | IDENTIFIER_1 | Entity 'RutaAerea'    |
| Identifier_1 | IDENTIFIER_1 | Entity 'TipoUsuario'  |
| Identifier_1 | IDENTIFIER_1 | Entity 'Comercial'    |
| Identifier_1 | IDENTIFIER_1 | Entity 'Domiciliario' |
| Identifier_1 | IDENTIFIER_1 | Entity 'Especial'     |
| Identifier_1 | IDENTIFIER_1 | Entity 'Edificios'    |

### V.1.3 Entity Calles

#### V.1.3.1 Card of entity Calles

|          |                                           |
|----------|-------------------------------------------|
| Name     | Calles                                    |
| Code     | CALLES                                    |
| Parent   | Conceptual Data Model 'Conceptual Data_1' |
| Generate | Yes                                       |
| Number   |                                           |

#### V.1.3.2 List of diagrams containing the entity Calles

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

#### V.1.3.3 List of identifiers of the entity Calles

| Name         | Code         | Parent          |
|--------------|--------------|-----------------|
| Identifier_1 | IDENTIFIER_1 | Entity 'Calles' |

#### V.1.3.4 List of relationships of the entity Calles

| Name          | Code           | Entity 2    | Entity 1 | Dependent Role | Entity 1 -> Entity 2 Role Cardinality | Entity 2 -> Entity 1 Role Cardinality |
|---------------|----------------|-------------|----------|----------------|---------------------------------------|---------------------------------------|
| Contiene      | CONTIENE       | Calles      | Mapa     |                | 0,n                                   | 0,1                                   |
| Se Construyo  | SE_CONST RUYO  | Edificacion | Calles   |                | 0,n                                   | 0,1                                   |
| Se levantaron | SE_LEVAN TARON | Nodo        | Calles   |                | 0,n                                   | 0,1                                   |
| tiene         | TIENE          | Tendido     | Calles   |                | 0,n                                   | 0,1                                   |

### V.1.3.5 List of all dependencies of the entity Calles

| Name          | Code          | Class Name   |
|---------------|---------------|--------------|
| Contiene      | CONTIENE      | Relationship |
| Se Construyo  | SE_CONSTRUYO  | Relationship |
| Se levantaron | SE_LEVANTARON | Relationship |
| tiene         | TIENE         | Relationship |

### V.1.3.6 List of attributes of the entity Calles

| Name         | Code         |
|--------------|--------------|
| Id_Calles    | ID_CALLES    |
| NombreCalles | NOMBRECALLE  |
| TipoDeSector | TIPODESECTOR |

### V.1.3.7 Entity attribute Id\_Calles of the entity Calles

#### V.1.3.7.1 Card of the entity attribute Id\_Calles of the entity Calles

|           |             |
|-----------|-------------|
| Name      | Id_Calles   |
| Code      | ID_CALLES   |
| Data Type | <Undefined> |
| Mandatory | Yes         |

#### V.1.3.7.2 Check of the entity attribute Id\_Calles of the entity Calles

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### V.1.3.7.3 Server validation rule of the entity attribute Id\_Calles of the entity Calles

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### V.1.3.7.4 List of all dependencies of the entity attribute Id\_Calles

| Name         | Code         | Class Name |
|--------------|--------------|------------|
| Identifier_1 | IDENTIFIER_1 | Identifier |

### V.1.3.8 Entity attribute NombreCalles of the entity Calles

#### V.1.3.8.1 Card of the entity attribute NombreCalles of the entity Calles

|           |              |
|-----------|--------------|
| Name      | NombreCalles |
| Code      | NOMBRECALLE  |
| Data Type | <Undefined>  |
| Mandatory | No           |

#### ***V.1.3.8.2 Check of the entity attribute NombreCalles of the entity Calles***

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### ***V.1.3.8.3 Server validation rule of the entity attribute NombreCalles of the entity Calles***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### **V.1.3.9 Entity attribute TipoDeSector of the entity Calles**

#### ***V.1.3.9.1 Card of the entity attribute TipoDeSector of the entity Calles***

|           |              |
|-----------|--------------|
| Name      | TipoDeSector |
| Code      | TIPODESECTOR |
| Data Type | <Undefined>  |
| Mandatory | No           |

#### ***V.1.3.9.2 Check of the entity attribute TipoDeSector of the entity Calles***

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### ***V.1.3.9.3 Server validation rule of the entity attribute TipoDeSector of the entity Calles***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### **V.1.4 Entity Cliente**

#### **V.1.4.1 Card of entity Cliente**

|      |         |
|------|---------|
| Name | Cliente |
|------|---------|



|          |                                           |
|----------|-------------------------------------------|
| Code     | CLIENTE                                   |
| Parent   | Conceptual Data Model 'Conceptual Data_1' |
| Generate | Yes                                       |
| Number   |                                           |

#### V.1.4.2 List of diagrams containing the entity Cliente

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

#### V.1.4.3 List of relationships of the entity Cliente

| Name    | Code    | Entity 2 | Entity 1 | Depend<br>ent<br>Role | Entity 1 -><br>Entity 2<br>Role<br>Cardinality | Entity 2 -><br>Entity 1<br>Role<br>Cardinality |
|---------|---------|----------|----------|-----------------------|------------------------------------------------|------------------------------------------------|
| EstaCon | ESTACON | Usuario  | Cliente  |                       | 0,n                                            | 0,1                                            |

#### V.1.4.4 List of all dependencies of the entity Cliente

| Name    | Code    | Class Name   |
|---------|---------|--------------|
| EstaCon | ESTACON | Relationship |

#### V.1.4.5 List of attributes of the entity Cliente

| Name          | Code          |
|---------------|---------------|
| IDCliente     | IDCLIENTE     |
| NombreCliente | NOMBRECLIENTE |
| PAssCliente   | PASSCLIENTE   |

#### V.1.4.6 Entity attribute IDCliente of the entity Cliente

##### V.1.4.6.1 Card of the entity attribute IDCliente of the entity Cliente

|           |           |
|-----------|-----------|
| Name      | IDCliente |
| Code      | IDCLIENTE |
| Data Type | Integer   |
| Mandatory | No        |

##### V.1.4.6.2 Check of the entity attribute IDCliente of the entity Cliente

|               |  |
|---------------|--|
| Minimum Value |  |
| Maximum Value |  |
| Default Value |  |
| Unit          |  |

|                |    |
|----------------|----|
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### ***V.1.4.6.3 Server validation rule of the entity attribute IDCliente of the entity Cliente***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### **V.1.4.7 Entity attribute NombreCliente of the entity Cliente**

##### ***V.1.4.7.1 Card of the entity attribute NombreCliente of the entity Cliente***

|           |                 |
|-----------|-----------------|
| Name      | NombreCliente   |
| Code      | NOMBRECLIENTE   |
| Data Type | Characters (30) |
| Mandatory | No              |

##### ***V.1.4.7.2 Check of the entity attribute NombreCliente of the entity Cliente***

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

##### ***V.1.4.7.3 Server validation rule of the entity attribute NombreCliente of the entity Cliente***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### **V.1.4.8 Entity attribute PAssCliente of the entity Cliente**

##### ***V.1.4.8.1 Card of the entity attribute PAssCliente of the entity Cliente***

|           |                 |
|-----------|-----------------|
| Name      | PAssCliente     |
| Code      | PASSCLIENTE     |
| Data Type | Characters (30) |
| Mandatory | No              |

##### ***V.1.4.8.2 Check of the entity attribute PAssCliente of the entity Cliente***

|               |  |
|---------------|--|
| Minimum Value |  |
| Maximum Value |  |
| Default Value |  |
| Unit          |  |
| Format        |  |

|                |    |
|----------------|----|
| Cannot Modify  | No |
| List Of Values |    |

### V.1.4.8.3 Server validation rule of the entity attribute PAssCliente of the entity Cliente

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

## V.1.5 Entity Comercial

### V.1.5.1 Card of entity Comercial

|          |                                           |
|----------|-------------------------------------------|
| Name     | Comercial                                 |
| Code     | COMERCIAL                                 |
| Parent   | Conceptual Data Model 'Conceptual Data_1' |
| Generate | Yes                                       |
| Number   |                                           |

### V.1.5.2 List of diagrams containing the entity Comercial

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

### V.1.5.3 List of identifiers of the entity Comercial

| Name         | Code         | Parent             |
|--------------|--------------|--------------------|
| Identifier_1 | IDENTIFIER_1 | Entity 'Comercial' |

### V.1.5.4 List of relationships of the entity Comercial

| Name    | Code    | Entity 2  | Entity 1    | Depend<br>ent<br>Role | Entity 1 -><br>Entity 2<br>Role<br>Cardinality | Entity 2 -><br>Entity 1<br>Role<br>Cardinality |
|---------|---------|-----------|-------------|-----------------------|------------------------------------------------|------------------------------------------------|
| Existen | EXISTEN | Comercial | Edificacion |                       | 0,n                                            | 0,1                                            |

### V.1.5.5 List of all dependencies of the entity Comercial

| Name    | Code    | Class Name   |
|---------|---------|--------------|
| Existen | EXISTEN | Relationship |

### V.1.5.6 List of attributes of the entity Comercial

| Name           | Code           |
|----------------|----------------|
| IDcomercial    | IDCOMERCIAL    |
| NumeroComercio | NUMEROCOMERCIO |
| Acceso         | ACCESO         |

|             |             |
|-------------|-------------|
| Estado      | ESTADO      |
| Competencia | COMPETENCIA |

### V.1.5.7 Entity attribute IDcomercial of the entity Comercial

#### *V.1.5.7.1 Card of the entity attribute IDcomercial of the entity Comercial*

|           |             |
|-----------|-------------|
| Name      | IDcomercial |
| Code      | IDCOMERCIAL |
| Data Type | Integer     |
| Mandatory | Yes         |

#### *V.1.5.7.2 Check of the entity attribute IDcomercial of the entity Comercial*

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### *V.1.5.7.3 Server validation rule of the entity attribute IDcomercial of the entity Comercial*

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### *V.1.5.7.4 List of all dependencies of the entity attribute IDcomercial*

| Name         | Code         | Class Name |
|--------------|--------------|------------|
| Identifier_1 | IDENTIFIER_1 | Identifier |

### V.1.5.8 Entity attribute NumeroComercio of the entity Comercial

#### *V.1.5.8.1 Card of the entity attribute NumeroComercio of the entity Comercial*

|           |                |
|-----------|----------------|
| Name      | NumeroComercio |
| Code      | NUMEROCOMERCIO |
| Data Type | Integer        |
| Mandatory | No             |

#### *V.1.5.8.2 Check of the entity attribute NumeroComercio of the entity Comercial*

|               |  |
|---------------|--|
| Minimum Value |  |
| Maximum Value |  |
| Default Value |  |
| Unit          |  |

|                |    |
|----------------|----|
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

### ***V.1.5.8.3 Server validation rule of the entity attribute NumeroComercio of the entity Comercial***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

## **V.1.5.9 Entity attribute Acceso of the entity Comercial**

### ***V.1.5.9.1 Card of the entity attribute Acceso of the entity Comercial***

|           |                 |
|-----------|-----------------|
| Name      | Acceso          |
| Code      | ACCESO          |
| Data Type | Characters (30) |
| Mandatory | No              |

### ***V.1.5.9.2 Check of the entity attribute Acceso of the entity Comercial***

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

### ***V.1.5.9.3 Server validation rule of the entity attribute Acceso of the entity Comercial***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

## **V.1.5.10 Entity attribute Estado of the entity Comercial**

### ***V.1.5.10.1 Card of the entity attribute Estado of the entity Comercial***

|           |                 |
|-----------|-----------------|
| Name      | Estado          |
| Code      | ESTADO          |
| Data Type | Characters (30) |
| Mandatory | No              |

### ***V.1.5.10.2 Check of the entity attribute Estado of the entity Comercial***

|               |  |
|---------------|--|
| Minimum Value |  |
| Maximum Value |  |
| Default Value |  |
| Unit          |  |

|                |    |
|----------------|----|
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

### ***V.1.5.10.3 Server validation rule of the entity attribute Estado of the entity Comercial***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

## **V.1.5.11 Entity attribute Competencia of the entity Comercial**

### ***V.1.5.11.1 Card of the entity attribute Competencia of the entity Comercial***

|           |                 |
|-----------|-----------------|
| Name      | Competencia     |
| Code      | COMPETENCIA     |
| Data Type | Characters (30) |
| Mandatory | No              |

### ***V.1.5.11.2 Check of the entity attribute Competencia of the entity Comercial***

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

### ***V.1.5.11.3 Server validation rule of the entity attribute Competencia of the entity Comercial***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

## **V.1.6 Entity Domiciliario**

### **V.1.6.1 Card of entity Domiciliario**

|          |                                           |
|----------|-------------------------------------------|
| Name     | Domiciliario                              |
| Code     | DOMICILIARIO                              |
| Parent   | Conceptual Data Model 'Conceptual Data_1' |
| Generate | Yes                                       |
| Number   |                                           |

### **V.1.6.2 List of diagrams containing the entity Domiciliario**

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

## V.1.6.3 List of identifiers of the entity Domiciliario

| Name         | Code         | Parent                |
|--------------|--------------|-----------------------|
| Identifier_1 | IDENTIFIER_1 | Entity 'Domiciliario' |

## V.1.6.4 List of relationships of the entity Domiciliario

| Name     | Code     | Entity 2     | Entity 1    | Dependent Role | Entity 1 -> Entity 2 Role Cardinality | Entity 2 -> Entity 1 Role Cardinality |
|----------|----------|--------------|-------------|----------------|---------------------------------------|---------------------------------------|
| PuedeSer | PUEDESER | Domiciliario | Edificacion |                | 0,n                                   | 0,1                                   |

## V.1.6.5 List of all dependencies of the entity Domiciliario

| Name     | Code     | Class Name   |
|----------|----------|--------------|
| PuedeSer | PUEDESER | Relationship |

## V.1.6.6 List of attributes of the entity Domiciliario

| Name         | Code         |
|--------------|--------------|
| IDdomicilio  | IDDOMICILIO  |
| NumDomicilio | NUMDOMICILIO |
| Acceso       | ACCESO       |
| Estado       | ESTADO       |
| Competencia  | COMPETENCIA  |

## V.1.6.7 Entity attribute IDdomicilio of the entity Domiciliario

***V.1.6.7.1 Card of the entity attribute IDdomicilio of the entity Domiciliario***

|           |             |
|-----------|-------------|
| Name      | IDdomicilio |
| Code      | IDDOMICILIO |
| Data Type | Integer     |
| Mandatory | Yes         |

***V.1.6.7.2 Check of the entity attribute IDdomicilio of the entity Domiciliario***

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

**V.1.6.7.3 Server validation rule of the entity attribute IDdomicilio of the entity Domiciliario**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**V.1.6.7.4 List of all dependencies of the entity attribute IDdomicilio**

| Name         | Code         | Class Name |
|--------------|--------------|------------|
| Identifier_1 | IDENTIFIER_1 | Identifier |

**V.1.6.8 Entity attribute NumDomicilio of the entity Domiciliario****V.1.6.8.1 Card of the entity attribute NumDomicilio of the entity Domiciliario**

|           |              |
|-----------|--------------|
| Name      | NumDomicilio |
| Code      | NUMDOMICILIO |
| Data Type | Number (7)   |
| Mandatory | No           |

**V.1.6.8.2 Check of the entity attribute NumDomicilio of the entity Domiciliario**

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

**V.1.6.8.3 Server validation rule of the entity attribute NumDomicilio of the entity Domiciliario**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**V.1.6.9 Entity attribute Acceso of the entity Domiciliario****V.1.6.9.1 Card of the entity attribute Acceso of the entity Domiciliario**

|           |                 |
|-----------|-----------------|
| Name      | Acceso          |
| Code      | ACCESO          |
| Data Type | Characters (30) |
| Mandatory | No              |

**V.1.6.9.2 Check of the entity attribute Acceso of the entity Domiciliario**

|               |  |
|---------------|--|
| Minimum Value |  |
| Maximum Value |  |
| Default Value |  |
| Unit          |  |



|                |    |
|----------------|----|
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

### ***V.1.6.9.3 Server validation rule of the entity attribute Acceso of the entity Domiciliario***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

## **V.1.6.10 Entity attribute Estado of the entity Domiciliario**

### ***V.1.6.10.1 Card of the entity attribute Estado of the entity Domiciliario***

|           |                 |
|-----------|-----------------|
| Name      | Estado          |
| Code      | ESTADO          |
| Data Type | Characters (30) |
| Mandatory | No              |

### ***V.1.6.10.2 Check of the entity attribute Estado of the entity Domiciliario***

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

### ***V.1.6.10.3 Server validation rule of the entity attribute Estado of the entity Domiciliario***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

## **V.1.6.11 Entity attribute Competencia of the entity Domiciliario**

### ***V.1.6.11.1 Card of the entity attribute Competencia of the entity Domiciliario***

|           |                 |
|-----------|-----------------|
| Name      | Competencia     |
| Code      | COMPETENCIA     |
| Data Type | Characters (30) |
| Mandatory | No              |

### ***V.1.6.11.2 Check of the entity attribute Competencia of the entity Domiciliario***

|               |  |
|---------------|--|
| Minimum Value |  |
| Maximum Value |  |
| Default Value |  |
| Unit          |  |
| Format        |  |

|                |    |
|----------------|----|
| Cannot Modify  | No |
| List Of Values |    |

### ***V.1.6.11.3 Server validation rule of the entity attribute Competencia of the entity Domiciliario***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

## ***V.1.7 Entity Edificacion***

### **V.1.7.1 Card of entity Edificacion**

|          |                                           |
|----------|-------------------------------------------|
| Name     | Edificacion                               |
| Code     | EDIFICACION                               |
| Parent   | Conceptual Data Model 'Conceptual Data_1' |
| Generate | Yes                                       |
| Number   |                                           |

### **V.1.7.2 List of diagrams containing the entity Edificacion**

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

### **V.1.7.3 List of identifiers of the entity Edificacion**

| Name         | Code         | Parent               |
|--------------|--------------|----------------------|
| Identifier_1 | IDENTIFIER_1 | Entity 'Edificacion' |

### **V.1.7.4 List of relationships of the entity Edificacion**

| Name         | Code         | Entity 2     | Entity 1    | Dependent Role | Entity 1 -> Entity 2 Role Cardinality | Entity 2 -> Entity 1 Role Cardinality |
|--------------|--------------|--------------|-------------|----------------|---------------------------------------|---------------------------------------|
| Existen      | EXISTEN      | Comercial    | Edificacion |                | 0,n                                   | 0,1                                   |
| Hay          | HAY          | Especial     | Edificacion |                | 0,n                                   | 0,1                                   |
| podrianHaber | PODRIANHABER | Edificios    | Edificacion |                | 0,n                                   | 0,1                                   |
| PuedeSer     | PUEDESER     | Domiciliario | Edificacion |                | 0,n                                   | 0,1                                   |
| Se Construyo | SE_CONSTRUYO | Edificacion  | Calles      |                | 0,n                                   | 0,1                                   |

### **V.1.7.5 List of all dependencies of the entity Edificacion**

| Name    | Code    | Class Name   |
|---------|---------|--------------|
| Existen | EXISTEN | Relationship |

|              |              |              |
|--------------|--------------|--------------|
| Hay          | HAY          | Relationship |
| podrianHaber | PODRIANHABER | Relationship |
| PuedeSer     | PUEDESER     | Relationship |
| Se Construyo | SE_CONSTRUYO | Relationship |

#### V.1.7.6 List of attributes of the entity Edificacion

| Name            | Code            |
|-----------------|-----------------|
| Num_casa        | NUM_CASA        |
| Acceso          | ACCESO          |
| Estado          | ESTADO          |
| Competencia     | COMPETENCIA     |
| Pisos           | PISOS           |
| TipoEdificacion | TIPOEDIFICACION |
| Block           | BLOCK           |

#### V.1.7.7 Entity attribute Num\_casa of the entity Edificacion

##### V.1.7.7.1 Card of the entity attribute Num\_casa of the entity Edificacion

|           |            |
|-----------|------------|
| Name      | Num_casa   |
| Code      | NUM_CASA   |
| Data Type | Number (6) |
| Mandatory | Yes        |

##### V.1.7.7.2 Check of the entity attribute Num\_casa of the entity Edificacion

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

##### V.1.7.7.3 Server validation rule of the entity attribute Num\_casa of the entity Edificacion

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

##### V.1.7.7.4 List of all dependencies of the entity attribute Num\_casa

| Name         | Code         | Class Name |
|--------------|--------------|------------|
| Identifier_1 | IDENTIFIER_1 | Identifier |

### V.1.7.8 Entity attribute Acceso of the entity Edificacion

#### V.1.7.8.1 Card of the entity attribute Acceso of the entity Edificacion

|           |                 |
|-----------|-----------------|
| Name      | Acceso          |
| Code      | ACCESO          |
| Data Type | Characters (30) |
| Mandatory | No              |

#### V.1.7.8.2 Check of the entity attribute Acceso of the entity Edificacion

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### V.1.7.8.3 Server validation rule of the entity attribute Acceso of the entity Edificacion

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### V.1.7.9 Entity attribute Estado of the entity Edificacion

#### V.1.7.9.1 Card of the entity attribute Estado of the entity Edificacion

|           |                 |
|-----------|-----------------|
| Name      | Estado          |
| Code      | ESTADO          |
| Data Type | Characters (30) |
| Mandatory | No              |

#### V.1.7.9.2 Check of the entity attribute Estado of the entity Edificacion

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### V.1.7.9.3 Server validation rule of the entity attribute Estado of the entity Edificacion

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### V.1.7.10 Entity attribute Competencia of the entity Edificacion

#### V.1.7.10.1 Card of the entity attribute Competencia of the entity Edificacion

|           |                 |
|-----------|-----------------|
| Name      | Competencia     |
| Code      | COMPETENCIA     |
| Data Type | Characters (30) |
| Mandatory | No              |

#### V.1.7.10.2 Check of the entity attribute Competencia of the entity Edificacion

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### V.1.7.10.3 Server validation rule of the entity attribute Competencia of the entity Edificacion

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### V.1.7.11 Entity attribute Pisos of the entity Edificacion

#### V.1.7.11.1 Card of the entity attribute Pisos of the entity Edificacion

|           |            |
|-----------|------------|
| Name      | Pisos      |
| Code      | PISOS      |
| Data Type | Number (3) |
| Mandatory | No         |

#### V.1.7.11.2 Check of the entity attribute Pisos of the entity Edificacion

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### V.1.7.11.3 Server validation rule of the entity attribute Pisos of the entity Edificacion

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### V.1.7.12 Entity attribute TipoEdificacion of the entity Edificacion

#### V.1.7.12.1 Card of the entity attribute TipoEdificacion of the entity Edificacion

|           |                 |
|-----------|-----------------|
| Name      | TipoEdificacion |
| Code      | TIPOEDIFICACION |
| Data Type | Characters (30) |
| Mandatory | No              |

#### V.1.7.12.2 Check of the entity attribute TipoEdificacion of the entity Edificacion

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### V.1.7.12.3 Server validation rule of the entity attribute TipoEdificacion of the entity Edificacion

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### V.1.7.13 Entity attribute Block of the entity Edificacion

#### V.1.7.13.1 Card of the entity attribute Block of the entity Edificacion

|           |                 |
|-----------|-----------------|
| Name      | Block           |
| Code      | BLOCK           |
| Data Type | Characters (30) |
| Mandatory | No              |

#### V.1.7.13.2 Check of the entity attribute Block of the entity Edificacion

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### V.1.7.13.3 Server validation rule of the entity attribute Block of the entity Edificacion

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### V.1.8 Entity Edificios

#### V.1.8.1 Card of entity Edificios

|          |                                           |
|----------|-------------------------------------------|
| Name     | Edificios                                 |
| Code     | EDIFICIOS                                 |
| Parent   | Conceptual Data Model 'Conceptual Data_1' |
| Generate | Yes                                       |
| Number   |                                           |

#### V.1.8.2 List of diagrams containing the entity Edificios

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

#### V.1.8.3 List of identifiers of the entity Edificios

| Name         | Code         | Parent             |
|--------------|--------------|--------------------|
| Identifier_1 | IDENTIFIER_1 | Entity 'Edificios' |

#### V.1.8.4 List of relationships of the entity Edificios

| Name         | Code         | Entity 2  | Entity 1    | Dependent Role | Entity 1 -> Entity 2 Role Cardinality | Entity 2 -> Entity 1 Role Cardinality |
|--------------|--------------|-----------|-------------|----------------|---------------------------------------|---------------------------------------|
| podrianHaber | PODRIANHABER | Edificios | Edificacion |                | 0,n                                   | 0,1                                   |

#### V.1.8.5 List of all dependencies of the entity Edificios

| Name         | Code         | Class Name   |
|--------------|--------------|--------------|
| podrianHaber | PODRIANHABER | Relationship |

#### V.1.8.6 List of attributes of the entity Edificios

| Name               | Code               |
|--------------------|--------------------|
| IDDepartamento     | IDDEPARTAMENTO     |
| NombreEdificio     | NOMBREEDIFICIO     |
| Numerodepartamento | NUMERODEPARTAMENTO |
| CantPisos          | CANTPISOS          |
| CantDepartamentos  | CANTDEPARTAMENTOS  |
| CantOficinas       | CANTOFICINAS       |
| Estado             | ESTADO             |
| Competencia        | COMPETENCIA        |

## V.1.8.7 Entity attribute IDDepartamento of the entity Edificios

**V.1.8.7.1 Card of the entity attribute IDDepartamento of the entity Edificios**

|           |                |
|-----------|----------------|
| Name      | IDDepartamento |
| Code      | IDDEPARTAMENTO |
| Data Type | Integer        |
| Mandatory | Yes            |

**V.1.8.7.2 Check of the entity attribute IDDepartamento of the entity Edificios**

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

**V.1.8.7.3 Server validation rule of the entity attribute IDDepartamento of the entity Edificios**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**V.1.8.7.4 List of all dependencies of the entity attribute IDDepartamento**

| Name         | Code         | Class Name |
|--------------|--------------|------------|
| Identifier_1 | IDENTIFIER_1 | Identifier |

## V.1.8.8 Entity attribute NombreEdificio of the entity Edificios

**V.1.8.8.1 Card of the entity attribute NombreEdificio of the entity Edificios**

|           |                 |
|-----------|-----------------|
| Name      | NombreEdificio  |
| Code      | NOMBREEDIFICIO  |
| Data Type | Characters (10) |
| Mandatory | No              |

**V.1.8.8.2 Check of the entity attribute NombreEdificio of the entity Edificios**

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |



**V.1.8.8.3 Server validation rule of the entity attribute NombreEdificio of the entity Edificios**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**V.1.8.9 Entity attribute Numerodepartamento of the entity Edificios****V.1.8.9.1 Card of the entity attribute Numerodepartamento of the entity Edificios**

|           |                    |
|-----------|--------------------|
| Name      | Numerodepartamento |
| Code      | NUMERODEPARTAMENTO |
| Data Type | Characters (10)    |
| Mandatory | No                 |

**V.1.8.9.2 Check of the entity attribute Numerodepartamento of the entity Edificios**

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

**V.1.8.9.3 Server validation rule of the entity attribute Numerodepartamento of the entity Edificios**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**V.1.8.10 Entity attribute CantPisos of the entity Edificios****V.1.8.10.1 Card of the entity attribute CantPisos of the entity Edificios**

|           |             |
|-----------|-------------|
| Name      | CantPisos   |
| Code      | CANTPISOS   |
| Data Type | Number (10) |
| Mandatory | No          |

**V.1.8.10.2 Check of the entity attribute CantPisos of the entity Edificios**

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

**V.1.8.10.3 Server validation rule of the entity attribute CantPisos of the entity Edificios**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**V.1.8.11 Entity attribute CantDepartamentos of the entity Edificios****V.1.8.11.1 Card of the entity attribute CantDepartamentos of the entity Edificios**

|           |                   |
|-----------|-------------------|
| Name      | CantDepartamentos |
| Code      | CANTDEPARTAMENTOS |
| Data Type | Number (10)       |
| Mandatory | No                |

**V.1.8.11.2 Check of the entity attribute CantDepartamentos of the entity Edificios**

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

**V.1.8.11.3 Server validation rule of the entity attribute CantDepartamentos of the entity Edificios**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**V.1.8.12 Entity attribute CantOficinas of the entity Edificios****V.1.8.12.1 Card of the entity attribute CantOficinas of the entity Edificios**

|           |              |
|-----------|--------------|
| Name      | CantOficinas |
| Code      | CANTOFICINAS |
| Data Type | Number (10)  |
| Mandatory | No           |

**V.1.8.12.2 Check of the entity attribute CantOficinas of the entity Edificios**

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

**V.1.8.12.3** *Server validation rule of the entity attribute CantOficinas of the entity Edificios*  
 %MINMAX% and %LISTVAL% and %CASE% and %RULES%

**V.1.8.13** Entity attribute Estado of the entity Edificios

**V.1.8.13.1** *Card of the entity attribute Estado of the entity Edificios*

|           |                 |
|-----------|-----------------|
| Name      | Estado          |
| Code      | ESTADO          |
| Data Type | Characters (30) |
| Mandatory | No              |

**V.1.8.13.2** *Check of the entity attribute Estado of the entity Edificios*

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

**V.1.8.13.3** *Server validation rule of the entity attribute Estado of the entity Edificios*  
 %MINMAX% and %LISTVAL% and %CASE% and %RULES%

**V.1.8.14** Entity attribute Competencia of the entity Edificios

**V.1.8.14.1** *Card of the entity attribute Competencia of the entity Edificios*

|           |                 |
|-----------|-----------------|
| Name      | Competencia     |
| Code      | COMPETENCIA     |
| Data Type | Characters (30) |
| Mandatory | No              |

**V.1.8.14.2** *Check of the entity attribute Competencia of the entity Edificios*

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

**V.1.8.14.3** *Server validation rule of the entity attribute Competencia of the entity Edificios*

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### V.1.9 Entity Equipamiento

#### V.1.9.1 Card of entity Equipamiento

|          |                                           |
|----------|-------------------------------------------|
| Name     | Equipamiento                              |
| Code     | EQUIPAMIENTO                              |
| Parent   | Conceptual Data Model 'Conceptual Data_1' |
| Generate | Yes                                       |
| Number   |                                           |

#### V.1.9.2 List of diagrams containing the entity Equipamiento

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

#### V.1.9.3 List of relationships of the entity Equipamiento

| Name     | Code     | Entity 2  | Entity 1     | Depend<br>ent<br>Role | Entity 1 -><br>Entity 2<br>Role<br>Cardinality | Entity 2 -><br>Entity 1<br>Role<br>Cardinality |
|----------|----------|-----------|--------------|-----------------------|------------------------------------------------|------------------------------------------------|
| adherido | ADHERIDO | RutaAerea | Equipamiento |                       | 0,n                                            | 0,1                                            |

#### V.1.9.4 List of all dependencies of the entity Equipamiento

| Name     | Code     | Class Name   |
|----------|----------|--------------|
| adherido | ADHERIDO | Relationship |

#### V.1.9.5 List of attributes of the entity Equipamiento

| Name           | Code           |
|----------------|----------------|
| IdEquipamiento | IDEQUIPAMIENTO |
| Nombre         | NOMBRE         |
| IdtipoNodo     | IDTIPONODO     |

#### V.1.9.6 Entity attribute IdEquipamiento of the entity Equipamiento

##### V.1.9.6.1 Card of the entity attribute IdEquipamiento of the entity Equipamiento

|           |                |
|-----------|----------------|
| Name      | IdEquipamiento |
| Code      | IDEQUIPAMIENTO |
| Data Type | Integer        |
| Mandatory | No             |

**V.1.9.6.2 Check of the entity attribute IdEquipamiento of the entity Equipamiento**

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

**V.1.9.6.3 Server validation rule of the entity attribute IdEquipamiento of the entity Equipamiento**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**V.1.9.7 Entity attribute Nombre of the entity Equipamiento****V.1.9.7.1 Card of the entity attribute Nombre of the entity Equipamiento**

|           |                 |
|-----------|-----------------|
| Name      | Nombre          |
| Code      | NOMBRE          |
| Data Type | Characters (30) |
| Mandatory | No              |

**V.1.9.7.2 Check of the entity attribute Nombre of the entity Equipamiento**

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

**V.1.9.7.3 Server validation rule of the entity attribute Nombre of the entity Equipamiento**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**V.1.9.8 Entity attribute IdtipoNodo of the entity Equipamiento****V.1.9.8.1 Card of the entity attribute IdtipoNodo of the entity Equipamiento**

|           |            |
|-----------|------------|
| Name      | IdtipoNodo |
| Code      | IDTIPONODO |
| Data Type | Integer    |
| Mandatory | No         |

**V.1.9.8.2 Check of the entity attribute IdtipoNodo of the entity Equipamiento**

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

**V.1.9.8.3 Server validation rule of the entity attribute IdtipoNodo of the entity Equipamiento**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**V.1.10 Entity Especial****V.1.10.1 Card of entity Especial**

|          |                                           |
|----------|-------------------------------------------|
| Name     | Especial                                  |
| Code     | ESPECIAL                                  |
| Parent   | Conceptual Data Model 'Conceptual Data_1' |
| Generate | Yes                                       |
| Number   |                                           |

**V.1.10.2 List of diagrams containing the entity Especial**

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

**V.1.10.3 List of identifiers of the entity Especial**

| Name         | Code         | Parent            |
|--------------|--------------|-------------------|
| Identifier_1 | IDENTIFIER_1 | Entity 'Especial' |

**V.1.10.4 List of relationships of the entity Especial**

| Name | Code | Entity 2 | Entity 1    | Dependent Role | Entity 1 -> Entity 2 Role Cardinality | Entity 2 -> Entity 1 Role Cardinality |
|------|------|----------|-------------|----------------|---------------------------------------|---------------------------------------|
| Hay  | HAY  | Especial | Edificacion |                | 0,n                                   | 0,1                                   |

**V.1.10.5 List of all dependencies of the entity Especial**

| Name | Code | Class Name |
|------|------|------------|
|------|------|------------|

|     |     |              |
|-----|-----|--------------|
| Hay | HAY | Relationship |
|-----|-----|--------------|

#### V.1.10.6 List of attributes of the entity Especial

| Name                  | Code                  |
|-----------------------|-----------------------|
| IdEspecial            | IDESPECIAL            |
| Nombre                | NOMBRE                |
| Numeracion            | NUMERACION            |
| CantidadPisos         | CANTIDADPISOS         |
| CantidadLocales       | CANTIDADLOCALES       |
| CantidadDepartamentos | CANTIDADDEPARTAMENTOS |
| CantidadOficinas      | CANTIDADOFICINAS      |
| EstadoConstruccion    | ESTADOCONSTRUCCION    |
| Competencia           | COMPETENCIA           |

#### V.1.10.7 Entity attribute IdEspecial of the entity Especial

##### V.1.10.7.1 Card of the entity attribute IdEspecial of the entity Especial

|           |            |
|-----------|------------|
| Name      | IdEspecial |
| Code      | IDESPECIAL |
| Data Type | Integer    |
| Mandatory | Yes        |

##### V.1.10.7.2 Check of the entity attribute IdEspecial of the entity Especial

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

##### V.1.10.7.3 Server validation rule of the entity attribute IdEspecial of the entity Especial

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

##### V.1.10.7.4 List of all dependencies of the entity attribute IdEspecial

| Name         | Code         | Class Name |
|--------------|--------------|------------|
| Identifier_1 | IDENTIFIER_1 | Identifier |

### V.1.10.8 Entity attribute Nombre of the entity Especial

#### V.1.10.8.1 Card of the entity attribute Nombre of the entity Especial

|           |                 |
|-----------|-----------------|
| Name      | Nombre          |
| Code      | NOMBRE          |
| Data Type | Characters (30) |
| Mandatory | No              |

#### V.1.10.8.2 Check of the entity attribute Nombre of the entity Especial

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### V.1.10.8.3 Server validation rule of the entity attribute Nombre of the entity Especial

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### V.1.10.9 Entity attribute Numeracion of the entity Especial

#### V.1.10.9.1 Card of the entity attribute Numeracion of the entity Especial

|           |            |
|-----------|------------|
| Name      | Numeracion |
| Code      | NUMERACION |
| Data Type | Number     |
| Mandatory | No         |

#### V.1.10.9.2 Check of the entity attribute Numeracion of the entity Especial

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### V.1.10.9.3 Server validation rule of the entity attribute Numeracion of the entity Especial

%MINMAX% and %LISTVAL% and %CASE% and %RULES%



### V.1.10.10 Entity attribute CantidadPisos of the entity Especial

#### ***V.1.10.10.1 Card of the entity attribute CantidadPisos of the entity Especial***

|           |               |
|-----------|---------------|
| Name      | CantidadPisos |
| Code      | CANTIDADPISOS |
| Data Type | Number        |
| Mandatory | No            |

#### ***V.1.10.10.2 Check of the entity attribute CantidadPisos of the entity Especial***

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### ***V.1.10.10.3 Server validation rule of the entity attribute CantidadPisos of the entity Especial***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### V.1.10.11 Entity attribute CantidadLocales of the entity Especial

#### ***V.1.10.11.1 Card of the entity attribute CantidadLocales of the entity Especial***

|           |                 |
|-----------|-----------------|
| Name      | CantidadLocales |
| Code      | CANTIDADLOCALES |
| Data Type | Number (10)     |
| Mandatory | No              |

#### ***V.1.10.11.2 Check of the entity attribute CantidadLocales of the entity Especial***

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### ***V.1.10.11.3 Server validation rule of the entity attribute CantidadLocales of the entity Especial***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### V.1.10.12 Entity attribute CantidadDepartamentos of the entity Especial

#### V.1.10.12.1 Card of the entity attribute CantidadDepartamentos of the entity Especial

|           |                       |
|-----------|-----------------------|
| Name      | CantidadDepartamentos |
| Code      | CANTIDADDEPARTAMENTOS |
| Data Type | Number (10)           |
| Mandatory | No                    |

#### V.1.10.12.2 Check of the entity attribute CantidadDepartamentos of the entity Especial

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### V.1.10.12.3 Server validation rule of the entity attribute CantidadDepartamentos of the entity Especial

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### V.1.10.13 Entity attribute CantidadOficinas of the entity Especial

#### V.1.10.13.1 Card of the entity attribute CantidadOficinas of the entity Especial

|           |                  |
|-----------|------------------|
| Name      | CantidadOficinas |
| Code      | CANTIDADOFICINAS |
| Data Type | Number (10)      |
| Mandatory | No               |

#### V.1.10.13.2 Check of the entity attribute CantidadOficinas of the entity Especial

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### V.1.10.13.3 Server validation rule of the entity attribute CantidadOficinas of the entity Especial

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### V.1.10.14 Entity attribute EstadoConstruccion of the entity Especial

##### ***V.1.10.14.1 Card of the entity attribute EstadoConstruccion of the entity Especial***

|           |                    |
|-----------|--------------------|
| Name      | EstadoConstruccion |
| Code      | ESTADOCONSTRUCCION |
| Data Type | Characters (20)    |
| Mandatory | No                 |

##### ***V.1.10.14.2 Check of the entity attribute EstadoConstruccion of the entity Especial***

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

##### ***V.1.10.14.3 Server validation rule of the entity attribute EstadoConstruccion of the entity Especial***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### V.1.10.15 Entity attribute Competencia of the entity Especial

##### ***V.1.10.15.1 Card of the entity attribute Competencia of the entity Especial***

|           |                 |
|-----------|-----------------|
| Name      | Competencia     |
| Code      | COMPETENCIA     |
| Data Type | Characters (30) |
| Mandatory | No              |

##### ***V.1.10.15.2 Check of the entity attribute Competencia of the entity Especial***

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

##### ***V.1.10.15.3 Server validation rule of the entity attribute Competencia of the entity Especial***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### V.1.11 *Entity Mapa*

#### V.1.11.1 Card of entity Mapa

|          |                                           |
|----------|-------------------------------------------|
| Name     | Mapa                                      |
| Code     | MAPA                                      |
| Parent   | Conceptual Data Model 'Conceptual Data_1' |
| Generate | Yes                                       |
| Number   |                                           |

#### V.1.11.2 List of diagrams containing the entity Mapa

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

#### V.1.11.3 List of relationships of the entity Mapa

| Name      | Code      | Entity 2 | Entity 1 | Dependent Role | Entity 1 -> Entity 2 Role Cardinality | Entity 2 -> Entity 1 Role Cardinality |
|-----------|-----------|----------|----------|----------------|---------------------------------------|---------------------------------------|
| Contiene  | CONTIENE  | Calles   | Mapa     |                | 0,n                                   | 0,1                                   |
| realizado | REALIZADO | Mapa     | Proyecto |                | 0,n                                   | 0,1                                   |

#### V.1.11.4 List of all dependencies of the entity Mapa

| Name      | Code      | Class Name   |
|-----------|-----------|--------------|
| Contiene  | CONTIENE  | Relationship |
| realizado | REALIZADO | Relationship |

#### V.1.11.5 List of attributes of the entity Mapa

| Name         | Code         |
|--------------|--------------|
| NombreSector | NOMBRESECTOR |
| Coordenadas  | COORDENADAS  |

#### V.1.11.6 Entity attribute NombreSector of the entity Mapa

##### V.1.11.6.1 *Card of the entity attribute NombreSector of the entity Mapa*

|           |                 |
|-----------|-----------------|
| Name      | NombreSector    |
| Code      | NOMBRESECTOR    |
| Data Type | Characters (30) |
| Mandatory | No              |

**V.1.11.6.2 Check of the entity attribute NombreSector of the entity Mapa**

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

**V.1.11.6.3 Server validation rule of the entity attribute NombreSector of the entity Mapa**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**V.1.11.7 Entity attribute Coordenadas of the entity Mapa****V.1.11.7.1 Card of the entity attribute Coordenadas of the entity Mapa**

|           |             |
|-----------|-------------|
| Name      | Coordenadas |
| Code      | COORDENADAS |
| Data Type | Float (15)  |
| Mandatory | No          |

**V.1.11.7.2 Check of the entity attribute Coordenadas of the entity Mapa**

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

**V.1.11.7.3 Server validation rule of the entity attribute Coordenadas of the entity Mapa**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**V.1.12 Entity Nodo****V.1.12.1 Card of entity Nodo**

|          |                                           |
|----------|-------------------------------------------|
| Name     | Nodo                                      |
| Code     | NODO                                      |
| Parent   | Conceptual Data Model 'Conceptual Data_1' |
| Generate | Yes                                       |
| Number   |                                           |

## V.1.12.2 List of diagrams containing the entity Nodo

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

## V.1.12.3 List of relationships of the entity Nodo

| Name            | Code            | Entity 2        | Entity 1 | Dependent Role | Entity 1 -> Entity 2 Role Cardinality | Entity 2 -> Entity 1 Role Cardinality |
|-----------------|-----------------|-----------------|----------|----------------|---------------------------------------|---------------------------------------|
| Relationship_12 | RELATIONSHIP_12 | TipoNodo        | Nodo     |                | 0,n                                   | 0,1                                   |
| Se levantaron   | SE_LEVANTARON   | Nodo            | Calles   |                | 0,n                                   | 0,1                                   |
| Va por          | VA_POR          | Ruta_Subteranea | Nodo     |                | 0,n                                   | 0,1                                   |
| Viaja por       | VIAJA_POR       | RutaAerea       | Nodo     |                | 0,n                                   | 0,1                                   |

## V.1.12.4 List of all dependencies of the entity Nodo

| Name            | Code            | Class Name   |
|-----------------|-----------------|--------------|
| Relationship_12 | RELATIONSHIP_12 | Relationship |
| Se levantaron   | SE_LEVANTARON   | Relationship |
| Va por          | VA_POR          | Relationship |
| Viaja por       | VIAJA_POR       | Relationship |

## V.1.12.5 List of attributes of the entity Nodo

| Name     | Code     |
|----------|----------|
| TipoNodo | TIPONODO |

## V.1.12.6 Entity attribute TipoNodo of the entity Nodo

## V.1.12.6.1 Card of the entity attribute TipoNodo of the entity Nodo

|           |                 |
|-----------|-----------------|
| Name      | TipoNodo        |
| Code      | TIPONODO        |
| Data Type | Characters (30) |
| Mandatory | No              |

## V.1.12.6.2 Check of the entity attribute TipoNodo of the entity Nodo

|               |  |
|---------------|--|
| Minimum Value |  |
| Maximum Value |  |

|                |    |
|----------------|----|
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

### V.1.12.6.3 Server validation rule of the entity attribute TipoNodo of the entity Nodo

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

## V.1.13 Entity Proyecto

### V.1.13.1 Card of entity Proyecto

|          |                                           |
|----------|-------------------------------------------|
| Name     | Proyecto                                  |
| Code     | PROYECTO                                  |
| Parent   | Conceptual Data Model 'Conceptual Data_1' |
| Generate | Yes                                       |
| Number   |                                           |

### V.1.13.2 List of diagrams containing the entity Proyecto

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

### V.1.13.3 List of identifiers of the entity Proyecto

| Name         | Code         | Parent            |
|--------------|--------------|-------------------|
| Identifier_1 | IDENTIFIER_1 | Entity 'Proyecto' |

### V.1.13.4 List of relationships of the entity Proyecto

| Name      | Code      | Entity 2 | Entity 1 | Dependent Role | Entity 1 -> Entity 2 Role Cardinality | Entity 2 -> Entity 1 Role Cardinality |
|-----------|-----------|----------|----------|----------------|---------------------------------------|---------------------------------------|
| Crea      | CREA      | Proyecto | Usuario  |                | 0,n                                   | 0,1                                   |
| realizado | REALIZADO | Mapa     | Proyecto |                | 0,n                                   | 0,1                                   |

### V.1.13.5 List of all dependencies of the entity Proyecto

| Name      | Code      | Class Name   |
|-----------|-----------|--------------|
| Crea      | CREA      | Relationship |
| realizado | REALIZADO | Relationship |

### V.1.13.6 List of attributes of the entity Proyecto

| Name          | Code          |
|---------------|---------------|
| Id_Proyecto   | ID_PROYECTO   |
| Nombre        | NOMBRE        |
| FechaCreacion | FECHACREACION |
| SectorMapeo   | SECTORMAPEO   |

### V.1.13.7 Entity attribute Id\_Proyecto of the entity Proyecto

#### V.1.13.7.1 Card of the entity attribute Id\_Proyecto of the entity Proyecto

|           |             |
|-----------|-------------|
| Name      | Id_Proyecto |
| Code      | ID_PROYECTO |
| Data Type | Integer     |
| Mandatory | Yes         |

#### V.1.13.7.2 Check of the entity attribute Id\_Proyecto of the entity Proyecto

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### V.1.13.7.3 Server validation rule of the entity attribute Id\_Proyecto of the entity Proyecto

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### V.1.13.7.4 List of all dependencies of the entity attribute Id\_Proyecto

| Name         | Code         | Class Name |
|--------------|--------------|------------|
| Identifier_1 | IDENTIFIER_1 | Identifier |

### V.1.13.8 Entity attribute Nombre of the entity Proyecto

#### V.1.13.8.1 Card of the entity attribute Nombre of the entity Proyecto

|           |                 |
|-----------|-----------------|
| Name      | Nombre          |
| Code      | NOMBRE          |
| Data Type | Characters (30) |
| Mandatory | No              |

#### V.1.13.8.2 Check of the entity attribute Nombre of the entity Proyecto



|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

### **V.1.13.8.3 Server validation rule of the entity attribute Nombre of the entity Proyecto**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### **V.1.13.9 Entity attribute FechaCreacion of the entity Proyecto**

#### **V.1.13.9.1 Card of the entity attribute FechaCreacion of the entity Proyecto**

|           |               |
|-----------|---------------|
| Name      | FechaCreacion |
| Code      | FECHACREACION |
| Data Type | Date & Time   |
| Mandatory | No            |

#### **V.1.13.9.2 Check of the entity attribute FechaCreacion of the entity Proyecto**

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

### **V.1.13.9.3 Server validation rule of the entity attribute FechaCreacion of the entity Proyecto**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### **V.1.13.10 Entity attribute SectorMapeo of the entity Proyecto**

#### **V.1.13.10.1 Card of the entity attribute SectorMapeo of the entity Proyecto**

|           |                 |
|-----------|-----------------|
| Name      | SectorMapeo     |
| Code      | SECTORMAPEO     |
| Data Type | Characters (30) |
| Mandatory | No              |

#### **V.1.13.10.2 Check of the entity attribute SectorMapeo of the entity Proyecto**

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

### V.1.13.10.3 Server validation rule of the entity attribute SectorMapeo of the entity Proyecto

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

## V.1.14 Entity Ruta\_Subterranea

### V.1.14.1 Card of entity Ruta\_Subterranea

|          |                                           |
|----------|-------------------------------------------|
| Name     | Ruta_Subterranea                          |
| Code     | RUTA_SUBTERRANEA                          |
| Parent   | Conceptual Data Model 'Conceptual Data_1' |
| Generate | Yes                                       |
| Number   |                                           |

### V.1.14.2 List of diagrams containing the entity Ruta\_Subterranea

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

### V.1.14.3 List of relationships of the entity Ruta\_Subterranea

| Name   | Code   | Entity 2         | Entity 1 | Dependent Role | Entity 1 -> Entity 2 Role Cardinality | Entity 2 -> Entity 1 Role Cardinality |
|--------|--------|------------------|----------|----------------|---------------------------------------|---------------------------------------|
| Va por | VA_POR | Ruta_Subterranea | Nodo     |                | 0,n                                   | 0,1                                   |

### V.1.14.4 List of all dependencies of the entity Ruta\_Subterranea

| Name   | Code   | Class Name   |
|--------|--------|--------------|
| Va por | VA_POR | Relationship |

### V.1.14.5 List of attributes of the entity Ruta\_Subterranea

| Name            | Code            |
|-----------------|-----------------|
| NumeroCamara    | NUMEROCAMARA    |
| DistanciaCamara | DISTANCIACAMARA |

|                    |                    |
|--------------------|--------------------|
| DuctoEntreCamara   | DUCTOENTRECAMARA   |
| DimensionesCamaras | DIMENSIONESCAMARAS |
| TipoCamara         | TIPOCAMARA         |
| TipoNodo           | TIPONODO           |

V.1.14.6 Entity attribute NumeroCamara of the entity Ruta\_Subterranea

**V.1.14.6.1 Card of the entity attribute NumeroCamara of the entity Ruta\_Subterranea**

|           |              |
|-----------|--------------|
| Name      | NumeroCamara |
| Code      | NUMEROCAMARA |
| Data Type | Number (9)   |
| Mandatory | No           |

**V.1.14.6.2 Check of the entity attribute NumeroCamara of the entity Ruta\_Subterranea**

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

**V.1.14.6.3 Server validation rule of the entity attribute NumeroCamara of the entity Ruta\_Subterranea**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

V.1.14.7 Entity attribute DistanciaCamara of the entity Ruta\_Subterranea

**V.1.14.7.1 Card of the entity attribute DistanciaCamara of the entity Ruta\_Subterranea**

|           |                 |
|-----------|-----------------|
| Name      | DistanciaCamara |
| Code      | DISTANCIACAMARA |
| Data Type | Float (9)       |
| Mandatory | No              |

**V.1.14.7.2 Check of the entity attribute DistanciaCamara of the entity Ruta\_Subterranea**

|               |    |
|---------------|----|
| Minimum Value |    |
| Maximum Value |    |
| Default Value |    |
| Unit          |    |
| Format        |    |
| Cannot Modify | No |

|                |  |
|----------------|--|
| List Of Values |  |
|----------------|--|

**V.1.14.7.3 Server validation rule of the entity attribute DistanciaCamara of the entity Ruta\_Subterranea**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**V.1.14.8 Entity attribute DuctoEntreCamara of the entity Ruta\_Subterranea**

**V.1.14.8.1 Card of the entity attribute DuctoEntreCamara of the entity Ruta\_Subterranea**

|           |                  |
|-----------|------------------|
| Name      | DuctoEntreCamara |
| Code      | DUCTOENTRECAMARA |
| Data Type | Characters (30)  |
| Mandatory | No               |

**V.1.14.8.2 Check of the entity attribute DuctoEntreCamara of the entity Ruta\_Subterranea**

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

**V.1.14.8.3 Server validation rule of the entity attribute DuctoEntreCamara of the entity Ruta\_Subterranea**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**V.1.14.9 Entity attribute DimensionesCamaras of the entity Ruta\_Subterranea**

**V.1.14.9.1 Card of the entity attribute DimensionesCamaras of the entity Ruta\_Subterranea**

|           |                    |
|-----------|--------------------|
| Name      | DimensionesCamaras |
| Code      | DIMENSIONESCAMARAS |
| Data Type | Float (10)         |
| Mandatory | No                 |

**V.1.14.9.2 Check of the entity attribute DimensionesCamaras of the entity Ruta\_Subterranea**

|               |  |
|---------------|--|
| Minimum Value |  |
| Maximum Value |  |

|                |    |
|----------------|----|
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

**V.1.14.9.3 Server validation rule of the entity attribute DimensionesCamaras of the entity Ruta\_Subterranea**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**V.1.14.10 Entity attribute TipoCamara of the entity Ruta\_Subterranea**

**V.1.14.10.1 Card of the entity attribute TipoCamara of the entity Ruta\_Subterranea**

|           |                 |
|-----------|-----------------|
| Name      | TipoCamara      |
| Code      | TIPOCAMARA      |
| Data Type | Characters (30) |
| Mandatory | No              |

**V.1.14.10.2 Check of the entity attribute TipoCamara of the entity Ruta\_Subterranea**

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

**V.1.14.10.3 Server validation rule of the entity attribute TipoCamara of the entity Ruta\_Subterranea**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**V.1.14.11 Entity attribute TipoNodo of the entity Ruta\_Subterranea**

**V.1.14.11.1 Card of the entity attribute TipoNodo of the entity Ruta\_Subterranea**

|           |                 |
|-----------|-----------------|
| Name      | TipoNodo        |
| Code      | TIPONODO        |
| Data Type | Characters (30) |
| Mandatory | No              |

**V.1.14.11.2 Check of the entity attribute TipoNodo of the entity Ruta\_Subterranea**

|               |  |
|---------------|--|
| Minimum Value |  |
|---------------|--|

|                |    |
|----------------|----|
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

### ***V.1.14.11.3 Server validation rule of the entity attribute TipoNodo of the entity Ruta\_Subterranea***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

## ***V.1.15 Entity RutaAerea***

### ***V.1.15.1 Card of entity RutaAerea***

|          |                                           |
|----------|-------------------------------------------|
| Name     | RutaAerea                                 |
| Code     | RUTAAEREA                                 |
| Parent   | Conceptual Data Model 'Conceptual Data_1' |
| Generate | Yes                                       |
| Number   |                                           |

### ***V.1.15.2 List of diagrams containing the entity RutaAerea***

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

### ***V.1.15.3 List of identifiers of the entity RutaAerea***

| Name         | Code         | Parent             |
|--------------|--------------|--------------------|
| Identifier_1 | IDENTIFIER_1 | Entity 'RutaAerea' |

### ***V.1.15.4 List of relationships of the entity RutaAerea***

| Name      | Code      | Entity 2  | Entity 1     | Dependent Role | Entity 1 -> Entity 2 Role Cardinality | Entity 2 -> Entity 1 Role Cardinality |
|-----------|-----------|-----------|--------------|----------------|---------------------------------------|---------------------------------------|
| adherido  | ADHERIDO  | RutaAerea | Equipamiento |                | 0,n                                   | 0,1                                   |
| Viaja por | VIAJA_POR | RutaAerea | Nodo         |                | 0,n                                   | 0,1                                   |

### ***V.1.15.5 List of all dependencies of the entity RutaAerea***

| Name | Code | Class Name |
|------|------|------------|
|------|------|------------|

|           |           |              |
|-----------|-----------|--------------|
| adherido  | ADHERIDO  | Relationship |
| Viaja por | VIAJA_POR | Relationship |

#### V.1.15.6 List of attributes of the entity RutaAerea

| Name               | Code               |
|--------------------|--------------------|
| NumeroPoste        | NUMEROPOSTE        |
| TipoPoste          | TIPOPOSTE          |
| Propietario        | PROPIETARIO        |
| Material           | MATERIAL           |
| EstadoConservacion | ESTADOCONSERVACION |
| Equipamiento       | EQUIPAMIENTO       |
| ApoyoTelmex        | APOYOTELMEX        |
| TipoNodo           | TIPONODO           |

#### V.1.15.7 Entity attribute NumeroPoste of the entity RutaAerea

##### V.1.15.7.1 Card of the entity attribute NumeroPoste of the entity RutaAerea

|           |             |
|-----------|-------------|
| Name      | NumeroPoste |
| Code      | NUMEROPOSTE |
| Data Type | Number (9)  |
| Mandatory | Yes         |

##### V.1.15.7.2 Check of the entity attribute NumeroPoste of the entity RutaAerea

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

##### V.1.15.7.3 Server validation rule of the entity attribute NumeroPoste of the entity RutaAerea

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

##### V.1.15.7.4 List of all dependencies of the entity attribute NumeroPoste

| Name         | Code         | Class Name |
|--------------|--------------|------------|
| Identifier_1 | IDENTIFIER_1 | Identifier |

### V.1.15.8 Entity attribute TipoPoste of the entity RutaAerea

#### V.1.15.8.1 Card of the entity attribute TipoPoste of the entity RutaAerea

|           |                 |
|-----------|-----------------|
| Name      | TipoPoste       |
| Code      | TIPOPOSTE       |
| Data Type | Characters (30) |
| Mandatory | No              |

#### V.1.15.8.2 Check of the entity attribute TipoPoste of the entity RutaAerea

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### V.1.15.8.3 Server validation rule of the entity attribute TipoPoste of the entity RutaAerea

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### V.1.15.9 Entity attribute Propietario of the entity RutaAerea

#### V.1.15.9.1 Card of the entity attribute Propietario of the entity RutaAerea

|           |                 |
|-----------|-----------------|
| Name      | Propietario     |
| Code      | PROPIETARIO     |
| Data Type | Characters (30) |
| Mandatory | No              |

#### V.1.15.9.2 Check of the entity attribute Propietario of the entity RutaAerea

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### V.1.15.9.3 Server validation rule of the entity attribute Propietario of the entity RutaAerea

%MINMAX% and %LISTVAL% and %CASE% and %RULES%



### V.1.15.10 Entity attribute Material of the entity RutaAerea

#### V.1.15.10.1 Card of the entity attribute Material of the entity RutaAerea

|           |                 |
|-----------|-----------------|
| Name      | Material        |
| Code      | MATERIAL        |
| Data Type | Characters (30) |
| Mandatory | No              |

#### V.1.15.10.2 Check of the entity attribute Material of the entity RutaAerea

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### V.1.15.10.3 Server validation rule of the entity attribute Material of the entity RutaAerea

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### V.1.15.11 Entity attribute EstadoConservacion of the entity RutaAerea

#### V.1.15.11.1 Card of the entity attribute EstadoConservacion of the entity RutaAerea

|           |                    |
|-----------|--------------------|
| Name      | EstadoConservacion |
| Code      | ESTADOCONSERVACION |
| Data Type | Characters (30)    |
| Mandatory | No                 |

#### V.1.15.11.2 Check of the entity attribute EstadoConservacion of the entity RutaAerea

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### V.1.15.11.3 Server validation rule of the entity attribute EstadoConservacion of the entity RutaAerea

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### V.1.15.12 Entity attribute Equipamiento of the entity RutaAerea

#### V.1.15.12.1 Card of the entity attribute Equipamiento of the entity RutaAerea

|           |                 |
|-----------|-----------------|
| Name      | Equipamiento    |
| Code      | EQUIPAMIENTO    |
| Data Type | Characters (30) |
| Mandatory | No              |

#### V.1.15.12.2 Check of the entity attribute Equipamiento of the entity RutaAerea

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### V.1.15.12.3 Server validation rule of the entity attribute Equipamiento of the entity RutaAerea

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### V.1.15.13 Entity attribute ApoyoTelmex of the entity RutaAerea

#### V.1.15.13.1 Card of the entity attribute ApoyoTelmex of the entity RutaAerea

|           |             |
|-----------|-------------|
| Name      | ApoyoTelmex |
| Code      | APOYOTELMEX |
| Data Type | Byte        |
| Mandatory | No          |

#### V.1.15.13.2 Check of the entity attribute ApoyoTelmex of the entity RutaAerea

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### V.1.15.13.3 Server validation rule of the entity attribute ApoyoTelmex of the entity RutaAerea

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

## V.1.15.14 Entity attribute TipoNodo of the entity RutaAerea

**V.1.15.14.1 Card of the entity attribute TipoNodo of the entity RutaAerea**

|           |                 |
|-----------|-----------------|
| Name      | TipoNodo        |
| Code      | TIPONODO        |
| Data Type | Characters (30) |
| Mandatory | No              |

**V.1.15.14.2 Check of the entity attribute TipoNodo of the entity RutaAerea**

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

**V.1.15.14.3 Server validation rule of the entity attribute TipoNodo of the entity RutaAerea**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

## V.1.16 Entity Tendido

## V.1.16.1 Card of entity Tendido

|          |                                           |
|----------|-------------------------------------------|
| Name     | Tendido                                   |
| Code     | TENDIDO                                   |
| Parent   | Conceptual Data Model 'Conceptual Data_1' |
| Generate | Yes                                       |
| Number   |                                           |

## V.1.16.2 List of diagrams containing the entity Tendido

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

## V.1.16.3 List of relationships of the entity Tendido

| Name  | Code  | Entity 2 | Entity 1 | Dependent Role | Entity 1 -> Entity 2 Role Cardinality | Entity 2 -> Entity 1 Role Cardinality |
|-------|-------|----------|----------|----------------|---------------------------------------|---------------------------------------|
| tiene | TIENE | Tendido  | Calles   |                | 0,n                                   | 0,1                                   |

## V.1.16.4 List of all dependencies of the entity Tendido

| Name  | Code  | Class Name   |
|-------|-------|--------------|
| tiene | TIENE | Relationship |

## V.1.16.5 List of attributes of the entity Tendido

| Name               | Code               |
|--------------------|--------------------|
| TipoTendido        | TIPOTENDIDO        |
| MetrosReserva      | METROSRESERVA      |
| TipoRuta           | TIPORUTA           |
| CantidadPelosFibra | CANTIDADPELOSFIBRA |
| NumAnillos         | NUMANILLOS         |

## V.1.16.6 Entity attribute TipoTendido of the entity Tendido

**V.1.16.6.1 Card of the entity attribute TipoTendido of the entity Tendido**

|           |             |
|-----------|-------------|
| Name      | TipoTendido |
| Code      | TIPOTENDIDO |
| Data Type | Integer     |
| Mandatory | No          |

**V.1.16.6.2 Check of the entity attribute TipoTendido of the entity Tendido**

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

**V.1.16.6.3 Server validation rule of the entity attribute TipoTendido of the entity Tendido**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

## V.1.16.7 Entity attribute MetrosReserva of the entity Tendido

**V.1.16.7.1 Card of the entity attribute MetrosReserva of the entity Tendido**

|           |               |
|-----------|---------------|
| Name      | MetrosReserva |
| Code      | METROSRESERVA |
| Data Type | Float         |
| Mandatory | No            |

**V.1.16.7.2 Check of the entity attribute MetrosReserva of the entity Tendido**

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

**V.1.16.7.3 Server validation rule of the entity attribute MetrosReserva of the entity Tendido**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**V.1.16.8 Entity attribute TipoRuta of the entity Tendido****V.1.16.8.1 Card of the entity attribute TipoRuta of the entity Tendido**

|           |                 |
|-----------|-----------------|
| Name      | TipoRuta        |
| Code      | TIPORUTA        |
| Data Type | Characters (30) |
| Mandatory | No              |

**V.1.16.8.2 Check of the entity attribute TipoRuta of the entity Tendido**

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

**V.1.16.8.3 Server validation rule of the entity attribute TipoRuta of the entity Tendido**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**V.1.16.9 Entity attribute CantidadPelosFibra of the entity Tendido****V.1.16.9.1 Card of the entity attribute CantidadPelosFibra of the entity Tendido**

|           |                    |
|-----------|--------------------|
| Name      | CantidadPelosFibra |
| Code      | CANTIDADPELOSFIBRA |
| Data Type | Number (3)         |
| Mandatory | No                 |

**V.1.16.9.2 Check of the entity attribute CantidadPelosFibra of the entity Tendido**

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

**V.1.16.9.3 Server validation rule of the entity attribute CantidadPelosFibra of the entity Tendido**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**V.1.16.10 Entity attribute NumAnillos of the entity Tendido****V.1.16.10.1 Card of the entity attribute NumAnillos of the entity Tendido**

|           |            |
|-----------|------------|
| Name      | NumAnillos |
| Code      | NUMANILLOS |
| Data Type | Number (3) |
| Mandatory | No         |

**V.1.16.10.2 Check of the entity attribute NumAnillos of the entity Tendido**

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

**V.1.16.10.3 Server validation rule of the entity attribute NumAnillos of the entity Tendido**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**V.1.17 Entity TipoNodo****V.1.17.1 Card of entity TipoNodo**

|          |                                           |
|----------|-------------------------------------------|
| Name     | TipoNodo                                  |
| Code     | TIPONODO                                  |
| Parent   | Conceptual Data Model 'Conceptual Data_1' |
| Generate | Yes                                       |
| Number   |                                           |

**V.1.17.2 List of diagrams containing the entity TipoNode**

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

**V.1.17.3 List of relationships of the entity TipoNode**

| Name            | Code            | Entity 2 | Entity 1 | Dependent Role | Entity 1 -> Entity 2 Role Cardinality | Entity 2 -> Entity 1 Role Cardinality |
|-----------------|-----------------|----------|----------|----------------|---------------------------------------|---------------------------------------|
| Relationship_12 | RELATIONSHIP_12 | TipoNode | Nodo     |                | 0,n                                   | 0,1                                   |

**V.1.17.4 List of all dependencies of the entity TipoNode**

| Name            | Code            | Class Name   |
|-----------------|-----------------|--------------|
| Relationship_12 | RELATIONSHIP_12 | Relationship |

**V.1.17.5 List of attributes of the entity TipoNode**

| Name        | Code        |
|-------------|-------------|
| IdtipoNode  | IDTIPONODO  |
| Description | DESCRIPCION |

**V.1.17.6 Entity attribute IdtipoNode of the entity TipoNode*****V.1.17.6.1 Card of the entity attribute IdtipoNode of the entity TipoNode***

|           |            |
|-----------|------------|
| Name      | IdtipoNode |
| Code      | IDTIPONODO |
| Data Type | Integer    |
| Mandatory | No         |

***V.1.17.6.2 Check of the entity attribute IdtipoNode of the entity TipoNode***

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

***V.1.17.6.3 Server validation rule of the entity attribute IdtipoNode of the entity TipoNode***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### V.1.17.7 Entity attribute Description of the entity TipoNodo

#### V.1.17.7.1 Card of the entity attribute Description of the entity TipoNodo

|           |                 |
|-----------|-----------------|
| Name      | Descripcion     |
| Code      | DESCRIPCION     |
| Data Type | Characters (30) |
| Mandatory | No              |

#### V.1.17.7.2 Check of the entity attribute Description of the entity TipoNodo

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### V.1.17.7.3 Server validation rule of the entity attribute Description of the entity TipoNodo

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### V.1.18 Entity TipoUsuario

#### V.1.18.1 Card of entity TipoUsuario

|          |                                           |
|----------|-------------------------------------------|
| Name     | TipoUsuario                               |
| Code     | TIPOUSUARIO                               |
| Parent   | Conceptual Data Model 'Conceptual Data_1' |
| Generate | Yes                                       |
| Number   |                                           |

#### V.1.18.2 List of diagrams containing the entity TipoUsuario

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

#### V.1.18.3 List of identifiers of the entity TipoUsuario

| Name         | Code         | Parent               |
|--------------|--------------|----------------------|
| Identifier_1 | IDENTIFIER_1 | Entity 'TipoUsuario' |



**V.1.18.4 List of relationships of the entity TipoUsuario**

| Name        | Code        | Entity 2 | Entity 1    | Dependent Role | Entity 1 -> Entity 2 Role Cardinality | Entity 2 -> Entity 1 Role Cardinality |
|-------------|-------------|----------|-------------|----------------|---------------------------------------|---------------------------------------|
| Contiene un | CONTIENE_UN | Usuario  | TipoUsuario |                | 0,n                                   | 0,1                                   |

**V.1.18.5 List of all dependencies of the entity TipoUsuario**

| Name        | Code        | Class Name   |
|-------------|-------------|--------------|
| Contiene un | CONTIENE_UN | Relationship |

**V.1.18.6 List of attributes of the entity TipoUsuario**

| Name        | Code        |
|-------------|-------------|
| ID_T_U      | ID_T_U      |
| Description | DESCRIPCION |

**V.1.18.7 Entity attribute ID\_T\_U of the entity TipoUsuario*****V.1.18.7.1 Card of the entity attribute ID\_T\_U of the entity TipoUsuario***

|           |         |
|-----------|---------|
| Name      | ID_T_U  |
| Code      | ID_T_U  |
| Data Type | Integer |
| Mandatory | Yes     |

***V.1.18.7.2 Check of the entity attribute ID\_T\_U of the entity TipoUsuario***

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

***V.1.18.7.3 Server validation rule of the entity attribute ID\_T\_U of the entity TipoUsuario***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

***V.1.18.7.4 List of all dependencies of the entity attribute ID\_T\_U***

| Name         | Code         | Class Name |
|--------------|--------------|------------|
| Identifier_1 | IDENTIFIER_1 | Identifier |

### V.1.18.8 Entity attribute Description of the entity TipoUsuario

#### V.1.18.8.1 Card of the entity attribute Description of the entity TipoUsuario

|           |                 |
|-----------|-----------------|
| Name      | Description     |
| Code      | DESCRIPCION     |
| Data Type | Characters (30) |
| Mandatory | No              |

#### V.1.18.8.2 Check of the entity attribute Description of the entity TipoUsuario

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

#### V.1.18.8.3 Server validation rule of the entity attribute Description of the entity TipoUsuario

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### V.1.19 Entity Usuario

#### V.1.19.1 Card of entity Usuario

|          |                                           |
|----------|-------------------------------------------|
| Name     | Usuario                                   |
| Code     | USUARIO                                   |
| Parent   | Conceptual Data Model 'Conceptual Data_1' |
| Generate | Yes                                       |
| Number   |                                           |

#### V.1.19.2 List of diagrams containing the entity Usuario

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

#### V.1.19.3 List of identifiers of the entity Usuario

| Name         | Code         | Parent           |
|--------------|--------------|------------------|
| Identifier_1 | IDENTIFIER_1 | Entity 'Usuario' |

#### V.1.19.4 List of relationships of the entity Usuario

| Name        | Code        | Entity 2 | Entity 1    | Dependent Role | Entity 1 -> Entity 2 Role Cardinality | Entity 2 -> Entity 1 Role Cardinality |
|-------------|-------------|----------|-------------|----------------|---------------------------------------|---------------------------------------|
| Contiene un | CONTIENE_UN | Usuario  | TipoUsuario |                | 0,n                                   | 0,1                                   |
| Crea        | CREA        | Proyecto | Usuario     |                | 0,n                                   | 0,1                                   |
| EstaCon     | ESTACON     | Usuario  | Cliente     |                | 0,n                                   | 0,1                                   |

#### V.1.19.5 List of all dependencies of the entity Usuario

| Name        | Code        | Class Name   |
|-------------|-------------|--------------|
| Contiene un | CONTIENE_UN | Relationship |
| Crea        | CREA        | Relationship |
| EstaCon     | ESTACON     | Relationship |

#### V.1.19.6 List of attributes of the entity Usuario

| Name               | Code               |
|--------------------|--------------------|
| Attribute_10       | ID                 |
| Nombre             | NOMBRE             |
| Nick               | NICK               |
| Pass               | PASS               |
| Email              | EMAIL              |
| FechaUltimoIngreso | FECHAULTIMOINGRESO |
| CantidadIntentos   | CANTIDADINTENTOS   |
| IDtipoUsuario      | IDTIPOUSUARIO      |

#### V.1.19.7 Entity attribute Attribute\_10 of the entity Usuario

##### V.1.19.7.1 Card of the entity attribute Attribute\_10 of the entity Usuario

|           |              |
|-----------|--------------|
| Name      | Attribute_10 |
| Code      | ID           |
| Data Type | <Undefined>  |
| Mandatory | Yes          |

##### V.1.19.7.2 Check of the entity attribute Attribute\_10 of the entity Usuario

|               |  |
|---------------|--|
| Minimum Value |  |
| Maximum Value |  |
| Default Value |  |
| Unit          |  |
| Format        |  |

|                |    |
|----------------|----|
| Cannot Modify  | No |
| List Of Values |    |

### ***V.1.19.7.3 Server validation rule of the entity attribute Attribute\_10 of the entity Usuario***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### ***V.1.19.7.4 List of all dependencies of the entity attribute Attribute\_10***

| Name         | Code         | Class Name |
|--------------|--------------|------------|
| Identifier_1 | IDENTIFIER_1 | Identifier |

## **V.1.19.8 Entity attribute Nombre of the entity Usuario**

### ***V.1.19.8.1 Card of the entity attribute Nombre of the entity Usuario***

|           |                 |
|-----------|-----------------|
| Name      | Nombre          |
| Code      | NOMBRE          |
| Data Type | Characters (30) |
| Mandatory | No              |

### ***V.1.19.8.2 Check of the entity attribute Nombre of the entity Usuario***

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

### ***V.1.19.8.3 Server validation rule of the entity attribute Nombre of the entity Usuario***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

## **V.1.19.9 Entity attribute Nick of the entity Usuario**

### ***V.1.19.9.1 Card of the entity attribute Nick of the entity Usuario***

|           |                 |
|-----------|-----------------|
| Name      | Nick            |
| Code      | NICK            |
| Data Type | Characters (30) |
| Mandatory | No              |

### ***V.1.19.9.2 Check of the entity attribute Nick of the entity Usuario***

|               |  |
|---------------|--|
| Minimum Value |  |
|---------------|--|

|                |    |
|----------------|----|
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

### ***V.1.19.9.3 Server validation rule of the entity attribute Nick of the entity Usuario***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### **V.1.19.10 Entity attribute Pass of the entity Usuario**

#### ***V.1.19.10.1 Card of the entity attribute Pass of the entity Usuario***

|           |                 |
|-----------|-----------------|
| Name      | Pass            |
| Code      | PASS            |
| Data Type | Characters (30) |
| Mandatory | No              |

#### ***V.1.19.10.2 Check of the entity attribute Pass of the entity Usuario***

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

### ***V.1.19.10.3 Server validation rule of the entity attribute Pass of the entity Usuario***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### **V.1.19.11 Entity attribute Email of the entity Usuario**

#### ***V.1.19.11.1 Card of the entity attribute Email of the entity Usuario***

|           |                 |
|-----------|-----------------|
| Name      | Email           |
| Code      | EMAIL           |
| Data Type | Characters (30) |
| Mandatory | No              |

#### ***V.1.19.11.2 Check of the entity attribute Email of the entity Usuario***

|               |  |
|---------------|--|
| Minimum Value |  |
| Maximum Value |  |

|                |    |
|----------------|----|
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

### ***V.1.19.11.3 Server validation rule of the entity attribute Email of the entity Usuario***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### **V.1.19.12 Entity attribute FechaUltimoIngreso of the entity Usuario**

#### ***V.1.19.12.1 Card of the entity attribute FechaUltimoIngreso of the entity Usuario***

|           |                    |
|-----------|--------------------|
| Name      | FechaUltimoIngreso |
| Code      | FECHAULTIMOINGRESO |
| Data Type | Date & Time        |
| Mandatory | No                 |

#### ***V.1.19.12.2 Check of the entity attribute FechaUltimoIngreso of the entity Usuario***

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

### ***V.1.19.12.3 Server validation rule of the entity attribute FechaUltimoIngreso of the entity Usuario***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

### **V.1.19.13 Entity attribute CantidadIntentos of the entity Usuario**

#### ***V.1.19.13.1 Card of the entity attribute CantidadIntentos of the entity Usuario***

|           |                  |
|-----------|------------------|
| Name      | CantidadIntentos |
| Code      | CANTIDADINTENTOS |
| Data Type | Integer          |
| Mandatory | No               |

#### ***V.1.19.13.2 Check of the entity attribute CantidadIntentos of the entity Usuario***

|               |  |
|---------------|--|
| Minimum Value |  |
| Maximum Value |  |

|                |    |
|----------------|----|
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

***V.1.19.13.3 Server validation rule of the entity attribute CantidadIntentos of the entity Usuario***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**V.1.19.14 Entity attribute IDtipoUsuario of the entity Usuario**

***V.1.19.14.1 Card of the entity attribute IDtipoUsuario of the entity Usuario***

|           |               |
|-----------|---------------|
| Name      | IDtipoUsuario |
| Code      | IDTIPOUSUARIO |
| Data Type | Integer       |
| Mandatory | No            |

***V.1.19.14.2 Check of the entity attribute IDtipoUsuario of the entity Usuario***

|                |    |
|----------------|----|
| Minimum Value  |    |
| Maximum Value  |    |
| Default Value  |    |
| Unit           |    |
| Format         |    |
| Cannot Modify  | No |
| List Of Values |    |

***V.1.19.14.3 Server validation rule of the entity attribute IDtipoUsuario of the entity Usuario***

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

## VI Relationship

### VI.1 Model level relationships

#### VI.1.1 List of relationships

| Name         | Code         | Parent                                       | Entity 2     | Entity 1     |
|--------------|--------------|----------------------------------------------|--------------|--------------|
| adherido     | ADHERIDO     | Conceptual Data Model<br>'Conceptual Data_1' | RutaAerea    | Equipamiento |
| Contiene     | CONTIENE     | Conceptual Data Model<br>'Conceptual Data_1' | Calles       | Mapa         |
| Contiene un  | CONTIENE_UN  | Conceptual Data Model<br>'Conceptual Data_1' | Usuario      | TipoUsuario  |
| Crea         | CREA         | Conceptual Data Model<br>'Conceptual Data_1' | Proyecto     | Usuario      |
| EstaCon      | ESTACON      | Conceptual Data Model<br>'Conceptual Data_1' | Usuario      | Cliente      |
| Existen      | EXISTEN      | Conceptual Data Model<br>'Conceptual Data_1' | Comercial    | Edificacion  |
| Hay          | HAY          | Conceptual Data Model<br>'Conceptual Data_1' | Especial     | Edificacion  |
| podrianHaber | PODRIANHABER | Conceptual Data Model<br>'Conceptual Data_1' | Edificios    | Edificacion  |
| PuedeSer     | PUEDESER     | Conceptual Data Model<br>'Conceptual Data_1' | Domiciliario | Edificacion  |
| realizado    | REALIZADO    | Conceptual Data Model                        | Mapa         | Proyecto     |



|                 |                 |                                           |                  |        |
|-----------------|-----------------|-------------------------------------------|------------------|--------|
|                 |                 | 'Conceptual Data_1'                       |                  |        |
| Relationship_12 | RELATIONSHIP_12 | Conceptual Data Model 'Conceptual Data_1' | TipoNodo         | Nodo   |
| Se Construyo    | SE_CONSTRUYO    | Conceptual Data Model 'Conceptual Data_1' | Edificacion      | Calles |
| Se levantaron   | SE_LEVANTARON   | Conceptual Data Model 'Conceptual Data_1' | Nodo             | Calles |
| tiene           | TIENE           | Conceptual Data Model 'Conceptual Data_1' | Tendido          | Calles |
| Va por          | VA_POR          | Conceptual Data Model 'Conceptual Data_1' | Ruta_Subterranea | Nodo   |
| Viaja por       | VIAJA_POR       | Conceptual Data Model 'Conceptual Data_1' | RutaAerea        | Nodo   |

## VI.1.2 Relationship adherido

### VI.1.2.1 Card of relationship adherido

|                   |                                           |
|-------------------|-------------------------------------------|
| Name              | adherido                                  |
| Code              | ADHERIDO                                  |
| Parent            | Conceptual Data Model 'Conceptual Data_1' |
| Entity 2          | RutaAerea                                 |
| Entity 1          | Equipamiento                              |
| Generate          | Yes                                       |
| Relationship Type | One - Many                                |

### VI.1.2.2 List of diagrams containing the relationship adherido

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

### VI.1.3 *Relationship Contiene*

#### VI.1.3.1 Card of relationship Contiene

|                   |                                           |
|-------------------|-------------------------------------------|
| Name              | Contiene                                  |
| Code              | CONTIENE                                  |
| Parent            | Conceptual Data Model 'Conceptual Data_1' |
| Entity 2          | Calles                                    |
| Entity 1          | Mapa                                      |
| Generate          | Yes                                       |
| Relationship Type | One - Many                                |

#### VI.1.3.2 List of diagrams containing the relationship Contiene

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

### VI.1.4 *Relationship Contiene un*

#### VI.1.4.1 Card of relationship Contiene un

|                   |                                           |
|-------------------|-------------------------------------------|
| Name              | Contiene un                               |
| Code              | CONTIENE_UN                               |
| Parent            | Conceptual Data Model 'Conceptual Data_1' |
| Entity 2          | Usuario                                   |
| Entity 1          | TipoUsuario                               |
| Generate          | Yes                                       |
| Relationship Type | One - Many                                |

#### VI.1.4.2 List of diagrams containing the relationship Contiene un

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

### VI.1.5 *Relationship Crea*

#### VI.1.5.1 Card of relationship Crea

|                   |                                           |
|-------------------|-------------------------------------------|
| Name              | Crea                                      |
| Code              | CREA                                      |
| Parent            | Conceptual Data Model 'Conceptual Data_1' |
| Entity 2          | Proyecto                                  |
| Entity 1          | Usuario                                   |
| Generate          | Yes                                       |
| Relationship Type | One - Many                                |

### VI.1.5.2 List of diagrams containing the relationship Crea

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

## VI.1.6 Relationship EstaCon

### VI.1.6.1 Card of relationship EstaCon

|                   |                                           |
|-------------------|-------------------------------------------|
| Name              | EstaCon                                   |
| Code              | ESTACON                                   |
| Parent            | Conceptual Data Model 'Conceptual Data_1' |
| Entity 2          | Usuario                                   |
| Entity 1          | Cliente                                   |
| Generate          | Yes                                       |
| Relationship Type | One - Many                                |

### VI.1.6.2 List of diagrams containing the relationship EstaCon

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

## VI.1.7 Relationship Existen

### VI.1.7.1 Card of relationship Existen

|                   |                                           |
|-------------------|-------------------------------------------|
| Name              | Existen                                   |
| Code              | EXISTEN                                   |
| Parent            | Conceptual Data Model 'Conceptual Data_1' |
| Entity 2          | Comercial                                 |
| Entity 1          | Edificacion                               |
| Generate          | Yes                                       |
| Relationship Type | One - Many                                |

### VI.1.7.2 List of diagrams containing the relationship Existen

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

## VI.1.8 Relationship Hay

### VI.1.8.1 Card of relationship Hay

|      |     |
|------|-----|
| Name | Hay |
|------|-----|

|                   |                                           |
|-------------------|-------------------------------------------|
| Code              | HAY                                       |
| Parent            | Conceptual Data Model 'Conceptual Data_1' |
| Entity 2          | Especial                                  |
| Entity 1          | Edificacion                               |
| Generate          | Yes                                       |
| Relationship Type | One - Many                                |

#### VI.1.8.2 List of diagrams containing the relationship Hay

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

### VI.1.9 Relationship podrianHaber

#### VI.1.9.1 Card of relationship podrianHaber

|                   |                                           |
|-------------------|-------------------------------------------|
| Name              | podrianHaber                              |
| Code              | PODRIANHABER                              |
| Parent            | Conceptual Data Model 'Conceptual Data_1' |
| Entity 2          | Edificios                                 |
| Entity 1          | Edificacion                               |
| Generate          | Yes                                       |
| Relationship Type | One - Many                                |

#### VI.1.9.2 List of diagrams containing the relationship podrianHaber

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

### VI.1.10 Relationship PuedeSer

#### VI.1.10.1 Card of relationship PuedeSer

|                   |                                           |
|-------------------|-------------------------------------------|
| Name              | PuedeSer                                  |
| Code              | PUEDESER                                  |
| Parent            | Conceptual Data Model 'Conceptual Data_1' |
| Entity 2          | Domiciliario                              |
| Entity 1          | Edificacion                               |
| Generate          | Yes                                       |
| Relationship Type | One - Many                                |

#### VI.1.10.2 List of diagrams containing the relationship PuedeSer

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

### VI.1.11 *Relationship realizado*

#### VI.1.11.1 Card of relationship realizado

|                   |                                           |
|-------------------|-------------------------------------------|
| Name              | realizado                                 |
| Code              | REALIZADO                                 |
| Parent            | Conceptual Data Model 'Conceptual Data_1' |
| Entity 2          | Mapa                                      |
| Entity 1          | Proyecto                                  |
| Generate          | Yes                                       |
| Relationship Type | One - Many                                |

#### VI.1.11.2 List of diagrams containing the relationship realizado

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

### VI.1.12 *Relationship Relationship\_12*

#### VI.1.12.1 Card of relationship Relationship\_12

|                   |                                           |
|-------------------|-------------------------------------------|
| Name              | Relationship_12                           |
| Code              | RELATIONSHIP_12                           |
| Parent            | Conceptual Data Model 'Conceptual Data_1' |
| Entity 2          | TipoNodo                                  |
| Entity 1          | Nodo                                      |
| Generate          | Yes                                       |
| Relationship Type | One - Many                                |

#### VI.1.12.2 List of diagrams containing the relationship Relationship\_12

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

### VI.1.13 *Relationship Se Construyo*

#### VI.1.13.1 Card of relationship Se Construyo

|          |                                           |
|----------|-------------------------------------------|
| Name     | Se Construyo                              |
| Code     | SE_CONSTRUYO                              |
| Parent   | Conceptual Data Model 'Conceptual Data_1' |
| Entity 2 | Edificacion                               |
| Entity 1 | Calles                                    |
| Generate | Yes                                       |

|                   |            |
|-------------------|------------|
| Relationship Type | One - Many |
|-------------------|------------|

#### VI.1.13.2 List of diagrams containing the relationship Se Construyo

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

### VI.1.14 Relationship Se levantaron

#### VI.1.14.1 Card of relationship Se levantaron

|                   |                                           |
|-------------------|-------------------------------------------|
| Name              | Se levantaron                             |
| Code              | SE_LEVANTARON                             |
| Parent            | Conceptual Data Model 'Conceptual Data_1' |
| Entity 2          | Nodo                                      |
| Entity 1          | Calles                                    |
| Generate          | Yes                                       |
| Relationship Type | One - Many                                |

#### VI.1.14.2 List of diagrams containing the relationship Se levantaron

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

### VI.1.15 Relationship tiene

#### VI.1.15.1 Card of relationship tiene

|                   |                                           |
|-------------------|-------------------------------------------|
| Name              | tiene                                     |
| Code              | TIENE                                     |
| Parent            | Conceptual Data Model 'Conceptual Data_1' |
| Entity 2          | Tendido                                   |
| Entity 1          | Calles                                    |
| Generate          | Yes                                       |
| Relationship Type | One - Many                                |

#### VI.1.15.2 List of diagrams containing the relationship tiene

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

### VI.1.16 *Relationship Va por*

#### VI.1.16.1 Card of relationship Va por

|                   |                                           |
|-------------------|-------------------------------------------|
| Name              | Va por                                    |
| Code              | VA_POR                                    |
| Parent            | Conceptual Data Model 'Conceptual Data_1' |
| Entity 2          | Ruta_Subterranea                          |
| Entity 1          | Nodo                                      |
| Generate          | Yes                                       |
| Relationship Type | One - Many                                |

#### VI.1.16.2 List of diagrams containing the relationship Va por

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

### VI.1.17 *Relationship Viaja por*

#### VI.1.17.1 Card of relationship Viaja por

|                   |                                           |
|-------------------|-------------------------------------------|
| Name              | Viaja por                                 |
| Code              | VIAJA_POR                                 |
| Parent            | Conceptual Data Model 'Conceptual Data_1' |
| Entity 2          | RutaAerea                                 |
| Entity 1          | Nodo                                      |
| Generate          | Yes                                       |
| Relationship Type | One - Many                                |

#### VI.1.17.2 List of diagrams containing the relationship Viaja por

| Name      | Code      |
|-----------|-----------|
| Diagram_1 | DIAGRAM_1 |

