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|  | ArcGIS Data Dictionary  Smart Meter Geodatabase  Version 1.0 ● Proposed |
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# Smart Meter Geodatabase

## ArcGIS Workspace diagram



### Customer

| Class Properties | |
| --- | --- |
| SubtypeOf: |  |
| SupertypeOf: |  |
| Subtypes: |  |
| Stereotype: | «ObjectClass» |

| Class Relationships | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Origin | Origin Primary Key | Origin  Card. | Target Class | Target Foreign Key | Target  Card. | Origin Role  (Forward Path Label) | Target Role  (Backward Path Label) |
| HouseToCustomer | House | HouseID | 1..\* | Customer | BuildingID | 1 | Owns | BelongsTo |
| OfficeToCustomer | Office |  | 1..\* | Customer |  | 1 | Owns | BelongsTo |

| Class Attributes | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Type  (or Domain) | Length | Precision | Scale | Allow Nulls | Default Value | Description |
| CustomerID | esriFieldTypeGlobalID |  |  |  | true |  |  |
| BuildingID | esriFieldTypeGUID |  |  |  | true |  |  |

### SmartMeter

| Class Properties | |
| --- | --- |
| SubtypeOf: |  |
| SupertypeOf: |  |
| Subtypes: |  |
| Stereotype: | «ObjectClass» |

| Class Relationships | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Origin | Origin Primary Key | Origin  Card. | Target Class | Target Foreign Key | Target  Card. | Origin Role  (Forward Path Label) | Target Role  (Backward Path Label) |
| HouseToMeter | House | HouseID | 1 | SmartMeter | BuildingID | 0..\* | BelongsTo | HasMeter |

| Class Attributes | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Type  (or Domain) | Length | Precision | Scale | Allow Nulls | Default Value | Description |
| BuildingID | esriFieldTypeGUID |  |  |  | true |  |  |
| MeterID | esriFieldTypeGlobalID |  |  |  | false |  |  |

# Features

## Features diagram



### Building

| Class Properties | |
| --- | --- |
| SubtypeOf: |  |
| SupertypeOf: | |  | | --- | | [House](#BKM_0DD61AA0_0888_403E_B5BD_018CE0FBEECD) | | [Office](#BKM_7A836658_35F5_4FE2_AF7A_68EB2488DDD5) | |
| Subtypes: |  |
| Stereotype: |  |

| Class Relationships |
| --- |

| Class Attributes | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Type  (or Domain) | Length | Precision | Scale | Allow Nulls | Default Value | Description |
| StreetAddress | esriFieldTypeString | 50 |  |  | true |  |  |

### House

The house feature class represents the customer's location at which electricity is supplied. Each house is associated with one or more [smart meters.](#BKM_411FC017_9A5D_4079_B60C_B2DED0A5110F)

| Class Properties | |
| --- | --- |
| SubtypeOf: | |  | | --- | | [Building](#BKM_547F3BF9_CFAE_4AD4_80A7_B54F33AE5BF8) | |
| SupertypeOf: |  |
| Subtypes: | |  | | --- | | [Brick](#BKM_05A6A070_F9BF_4929_B27A_B4B9C645A37F) | | [Weatherboard](#BKM_AE44D734_1FC3_4DE9_9BD9_2BFAC67F893E) | |
| Stereotype: | «Point» |

| Class Relationships | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Origin | Origin Primary Key | Origin  Card. | Target Class | Target Foreign Key | Target  Card. | Origin Role  (Forward Path Label) | Target Role  (Backward Path Label) |
| HouseToMeter | House | HouseID | 1 | SmartMeter | BuildingID | 0..\* | BelongsTo | HasMeter |
| HouseToCustomer | House | HouseID | 1..\* | Customer | BuildingID | 1 | Owns | BelongsTo |

| Class Attributes | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Type  (or Domain) | Length | Precision | Scale | Allow Nulls | Default Value | Description |
| HouseID | esriFieldTypeGlobalID |  |  |  | false |  |  |
| Material | esriFieldTypeString |  |  |  | true |  |  |
| SubtypeCode | esriFieldTypeInteger |  |  |  | true | 0 |  |

### Office

| Class Properties | |
| --- | --- |
| SubtypeOf: | |  | | --- | | [Building](#BKM_547F3BF9_CFAE_4AD4_80A7_B54F33AE5BF8) | |
| SupertypeOf: |  |
| Subtypes: |  |
| Stereotype: | «Point» |

| Class Relationships | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Origin | Origin Primary Key | Origin  Card. | Target Class | Target Foreign Key | Target  Card. | Origin Role  (Forward Path Label) | Target Role  (Backward Path Label) |
| OfficeToCustomer | Office |  | 1..\* | Customer |  | 1 | Owns | BelongsTo |

| Class Attributes | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Type  (or Domain) | Length | Precision | Scale | Allow Nulls | Default Value | Description |
| OfficeID | esriFieldTypeGlobalID |  |  |  | false |  |  |

### Subtype: Brick

| Subtype Properties | |
| --- | --- |
| Feature Class: | House |
| Subtype Code: | 0 |

| Implemented Fields | | |
| --- | --- | --- |
| Name | Type  (or Domain) | Default Value |
| Material | BuildingMaterial | BR |

### Subtype: Weatherboard

| Subtype Properties | |
| --- | --- |
| Feature Class: | House |
| Subtype Code: | 1 |

| Implemented Fields | | |
| --- | --- | --- |
| Name | Type  (or Domain) | Default Value |
| Material | BuildingMaterial | WB |

# Domains

## Domains diagram



### BuildingMaterial

Type: esriFieldTypeString

The primary material with which the house is clad.

| Value | Description |
| --- | --- |
| Brick | BR |
| Weatherboard | WB |

### CodedValueDomain01

Type: esriFieldTypeString

| Value | Description |
| --- | --- |
| MyCodeName | MyCodedValue |

### CodedValueDomain02

Type: esriFieldTypeString

| Value | Description |
| --- | --- |
| MyCodeName | MyCodedValue |

### CodedValueDomain03

Type: esriFieldTypeString

| Value | Description |
| --- | --- |
| MyCodeName | MyCodedValue |

### CodedValueDomain04

Type: esriFieldTypeString

| Value | Description |
| --- | --- |
| MyCodeName | MyCodedValue |

### CodedValueDomain05

Type: esriFieldTypeString

| Value | Description |
| --- | --- |
| MyCodeName | MyCodedValue |

### CodedValueDomain06

Type: esriFieldTypeString

| Value | Description |
| --- | --- |
| MyCodeName | MyCodedValue |

### CodedValueDomain07

Type: esriFieldTypeString

| Value | Description |
| --- | --- |
| MyCodeName | MyCodedValue |

### CodedValueDomain08

Type: esriFieldTypeString

| Value | Description |
| --- | --- |
| MyCodeName | MyCodedValue |

### CodedValueDomain09

Type: esriFieldTypeString

| Value | Description |
| --- | --- |
| MyCodeName | MyCodedValue |

### CodedValueDomain10

Type: esriFieldTypeString

| Value | Description |
| --- | --- |
| MyCodeName | MyCodedValue |

### CodedValueDomain11

Type: esriFieldTypeString

| Value | Description |
| --- | --- |
| MyCodeName | MyCodedValue |

### CodedValueDomain12

Type: esriFieldTypeString

| Value | Description |
| --- | --- |
| MyCodeName | MyCodedValue |

### CodedValueDomain13

Type: esriFieldTypeString

| Value | Description |
| --- | --- |
| MyCodeName | MyCodedValue |

### CodedValueDomain14

Type: esriFieldTypeString

| Value | Description |
| --- | --- |
| MyCodeName | MyCodedValue |

# Spatial References

## Spatial References diagram



### MySpatialReference

| Spatial Reference Properties | |
| --- | --- |
| Coordinate System: | GeographicCoordinateSystem |
| WKID: | 4326 |
| VCSWKID: |  |