

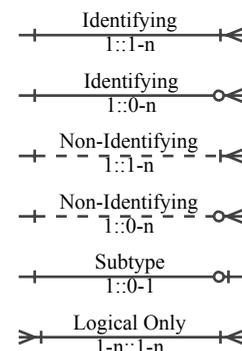
Business Rule

For those who are new to IDEF1X data models (R Brown 1985, after E F Codd), All Business

Rules (predicates) are given in text form:

- Address is Independent
Address is uniquely Identified by (AddressId)
- Country is Independent
Country is uniquely Identified by (CountryId)
Country has 0-n States
- County is Independent
County is uniquely Identified by (CountyId)
County has 0-n Towns
- State is Independent
State is uniquely Identified by (StateId)
State has 0-n Counties
- Street is Independent
Street is uniquely Identified by (StreetId)
Street has 0-n Addresses
- StreetName is Independent
StreetName is uniquely Identified by (StreetNameId)
StreetName is used in 0-n Street
- StreetType is Independent
StreetType is uniquely Identified by (StreetTypeId)
StreetType classifies 0-n Streets
- Suburb is Independent
Suburb is uniquely Identified by (SuburbId)
Suburb has 0-n Streets
- Town is Independent
Town is uniquely Identified by (TownId)
Town has 0-n Suburbs

IEEE Relation Notation



IDEF1X Method & Notation		
Item	Definition	Display
Key		
Primary Key:	Unique	Above line
Alternate Key:	Other Unique key	AK
Inversion Entry:	Non-Unique index	IE
Entity		
Independent:	Exists without a parent	Square
Dependent:	Dependent on a parent	Round
Relation		
Identifying:	Parent PK forms child PK	Solid line
Non-Identifying:		Broken line
Parent PK is <i>always</i> a migrated FK in child		Bold