Dimensional Entity Dictionary (DED)

1. **Business Entity Contact (bec)**

Definition: Stores contact information specific to a business entity, such as email, phone, or primary contact details.

Main Table Types:

- Dimension Table (t_bec_dim): Contains basic information about each contact person or department within a business entity.

2. **Business Entity (be)**

Definition: Represents the primary business or organization in the system, uniquely identifying it for tracking services and interactions.

Main Table Types:

- Dimension Table (t_be_dim): Contains high-level information about each business, such as name, registration, and unique identifier.
- Fact Table (t_be_fact): Captures transaction-level data, such as services requested or completed, with links to other tables for comprehensive analysis.

3. **Business Entity Address (bea)**

Definition: Links business entities to their addresses, handling multiple locations or branches as needed.

Main Table Types:

- Bridge Dimension (t_bea_bridge): Connects business entities with multiple address records, allowing flexibility in address assignments.
- Dimension Table (t_bea_dim): Stores detailed address information for each business location or branch.

4. **Address (addr)**

Definition: Contains details of physical locations, including street address, city, state, and postal code.

Main Table Types:

- Dimension Table (t_addr_dim): Provides standardized address details for consistent use across multiple entities.

5. **Address Type (addr_type)**

Definition: Defines the type of address, such as residential, commercial, billing, or shipping, associated with a business entity.

Main Table Types:

- Dimension Table (t_addr_type_dim): Lists possible address types to support flexibility in identifying address functions.

Database Object Naming Convention

In this naming convention:

- **t_** prefix denotes "table."

- The abbreviation for the entity (e.g., bec, be, bea, addr, addr_type) identifies each unique entity.

- **_dim**, **_fact**, or **_bridge** suffixes indicate the type of table (Dimension, Fact, Bridge Dimension).