Project Title

TM1 Model Documentation

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1. Naming Conventions

1.1. Dimension Naming

Dimensions are named using the following form:

```
<3-character module code><space><dimension description>
```

For shared dimensions, the 3-character module code is GBL. For all other cubes, it is the agreed prefix for the module. System and lookup dimensions that the users are not intended to interact with will have the prefix code “SYS”.

The Dimension Description is an arbitrary description adhering to the following best-practise conventions:

- 3-character site code is capitalized (i.e. “CPX” not “Cpx”)
- Descriptions are in proper case (i.e. “Product Code Parameters” instead of “Product code parameters” or other variants)
- Descriptions are singular (i.e. “Model” instead of “Models”)
- Minimal abbreviations are used in the description (i.e. “Product” instead of “Prod”)
- One measure dimension per cube.
- Measure dimensions are the cube name they appear in, suffixed with “Measure”

1.2. Cube Naming

Cubes are named using the following naming convention:

```
<3-character module code><space><cube description>
```

For shared cubes, the 3-character module code is GBL. For all other cubes, it is the agreed module prefix. System and lookup cubes that the users are not intended to interact with will have the prefix code “SYS”.

The Cube Description is an arbitrary description adhering to the following best-practise conventions:

- 3-character site code is capitalized (i.e. “CPX” not “Cpx”)
- Descriptions are in proper case (i.e. “Product Code Parameters” instead of “Product code parameters” or other variants)
- Descriptions are singular (i.e. “Model” instead of “Models”)
- Minimal abbreviations are used in the description (i.e. “Product” instead of “Prod”)
- Non-updated system supporting cubes are suffixed “Lookup”
- Parameter cubes are suffixed “Assumption”
- Comment/Error reporting cubes are suffixed “Text”

1.3. Turbo Integrator Process Naming

Turbo Integrator processes are named using the following naming convention:

```
<3-character module code><space><process type><spaced
dash><process description><spaced dash><data type>
```

For shared processes, the 3-character site code is GBL. System processes that the users are not intended to run directly will have the prefix code “SYS”.

For all other processes, it is agreed the module code prefix.

The Process Type is a reference to the purpose of the process. It should usually be either “Data” or “Dim”, depending on whether it updates cube data or a dimension structure. Other brief keywords are acceptable for processes with other purposes.

The Process Description is an arbitrary description adhering to the following best-practise conventions:

- 3-character site code is capitalized (i.e. “CPX” not “Cpx”)
- Descriptions are in proper case (i.e. “Product Code Parameters” instead of “Product code parameters” or other variants)
- Descriptions are singular (i.e. “Model” instead of “Models”)
- No abbreviations are used in the description (i.e. “Product” instead of “Prod”)
- Data Type can be CSV, Cube, Dimension, ODBC, or other data type as required.

1.4. Rule Style Guidelines

As rules need to be written with flexibility, no strict style guidelines have been defined.

However, readability is a priority; the following rules of thumb should be noted and applied wherever practical:

- Rules should be well commented. The target audience for comments will be other TM1 developers who may contribute to the project. At a minimum, state the general purpose of each rule and a brief description of the calculation it is performing. For complex rules, document the methodology in more detail.
- IF statements should be indented to clearly show the expression, true and false cases. Additional lines within these should be indented an extra tab space.

Eg.

```
IF(
   !A='Total' %
           ELLEV('BDim',!B)=3,
   DB(X, Y,Z)
           + DB(H, I, J),
   0
);
```

- DB formulae can be split across lines. If possible, try to split at hard-coded element names, or element names where an embedded formula defines the element names. Split lines should be indented one level right of the first line of the DB function.

Eg.

```
   DB(
         !Year,!Scenario,!Site,
         'All Months',
         DIMNM('D',DIMIX('D',!D)-1),
         !Currency,!Measure
   );
```