

TMForum Frameworx 14.5 Support In IBM System Architect®

Table of Contents

Contents

TMForum Framework 14.5 Support	1
In IBM System Architect®	1
The TMForum Framework Encyclopedia	3
Support for eTOM	4
Support for SID	8
Support for TAM	10
Navigating Amongst the TMForum Framework Models	11

The TMForum Framework Encyclopedia

TMForum Framework is provided in System Architect via a pre-built encyclopedia created by IBM's field services team and available for download from IBM DeveloperWorks. The encyclopedia is not part of System Architect's official commercial offering nor is it supported by the SA Development team; however it is regularly updated by IBM field services to coincide with the latest version of the TMForum Framework as provided by the TMForum – typically (and informally) within 6-9 months after a latest release by the TM Forum. The encyclopedia is provided free to TM Forum members.

The encyclopedia itself has:

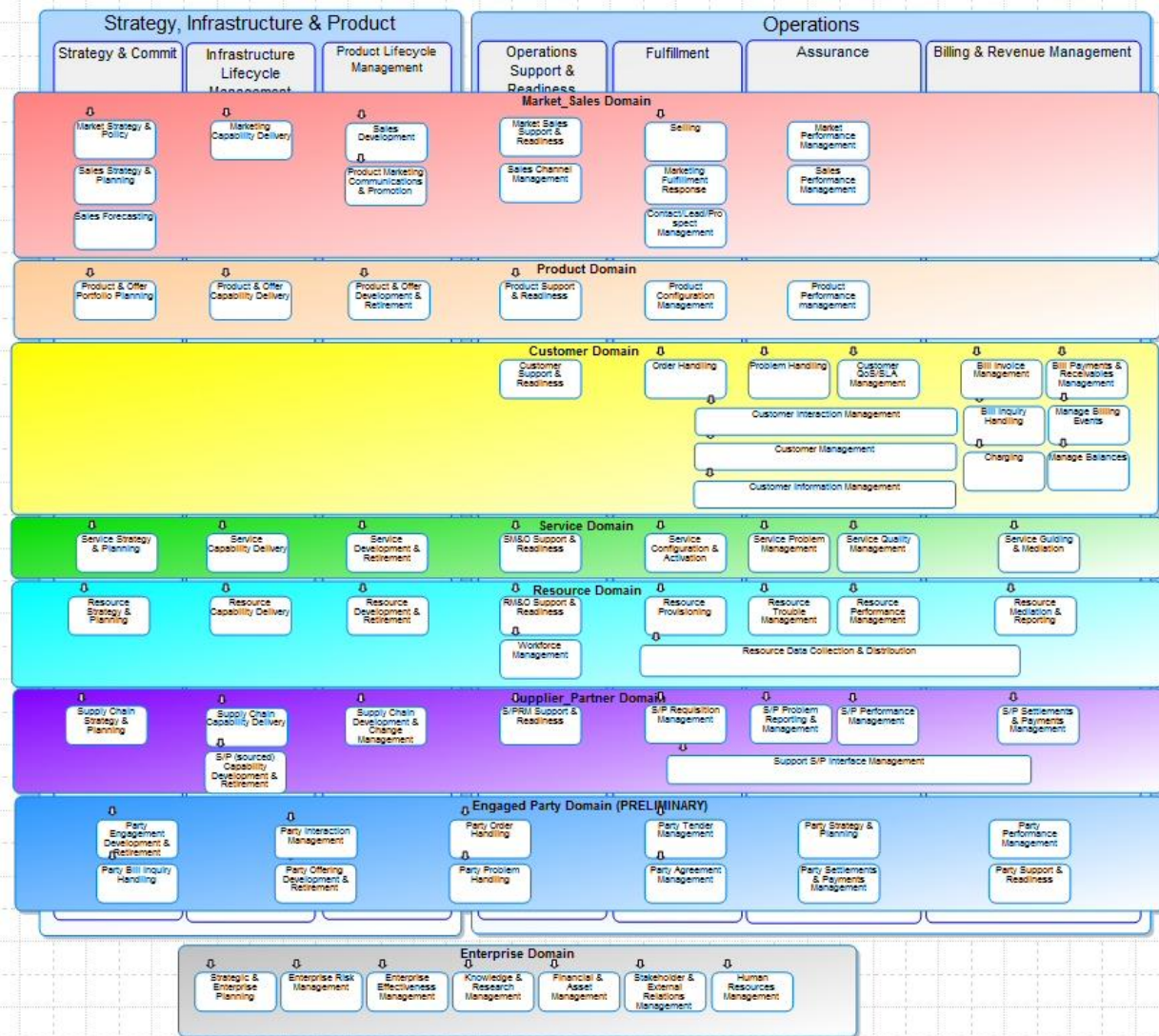
- metamodel extensions to enable capture of TM Forum Framework properties and relationships, which are provided in a `tmforum.cfg` file, that is called for in the `saprops.cfg` of the encyclopedia.
 - **IMPORTANT NOTE:** Since the metamodel extensions for TMForum are in the `tmforum.cfg` file in an encyclopedia built with SA 11.4.3.2, if you open the encyclopedia with SA 11.4.3.3, you must choose to NOT update the `saprops.cfg` file. Otherwise, a `#include tmforum.cfg` will be overridden. The `tmforum.cfg` file will be added to native SA in the 11.4.3.4 release.
- content for the eTom, SID, and TAM imported from the TM Forum published work,
- Explorer diagrams that provide a framework view of each of the frameworks,
- For the eTOM – process hierarchy diagrams, and BPMN pattern diagrams,
- For the SID – class models that show low-level service patterns, imported from Rational Software Architect (RSA) via the System Architect-RSA integration that exists in RSA.
- For the TAM – note that there are not any Application hierarchy diagrams in the encyclopedia – all lowest-level Applications are already grouped and visualized on the TAM Explorer diagram so there is no need for a set of TAM hierarchy diagrams.

Support for eTOM

As mentioned previously, support for eTOM includes:

- metamodel extensions to enable capture of eTOM properties and relationships,
- content for the eTOM imported from the TM Forum published work,
- Explorer diagrams that provide a framework view of the level 1 eTOM and lower-level eTOM,
- process hierarchy diagrams, and
- BPMN pattern diagrams

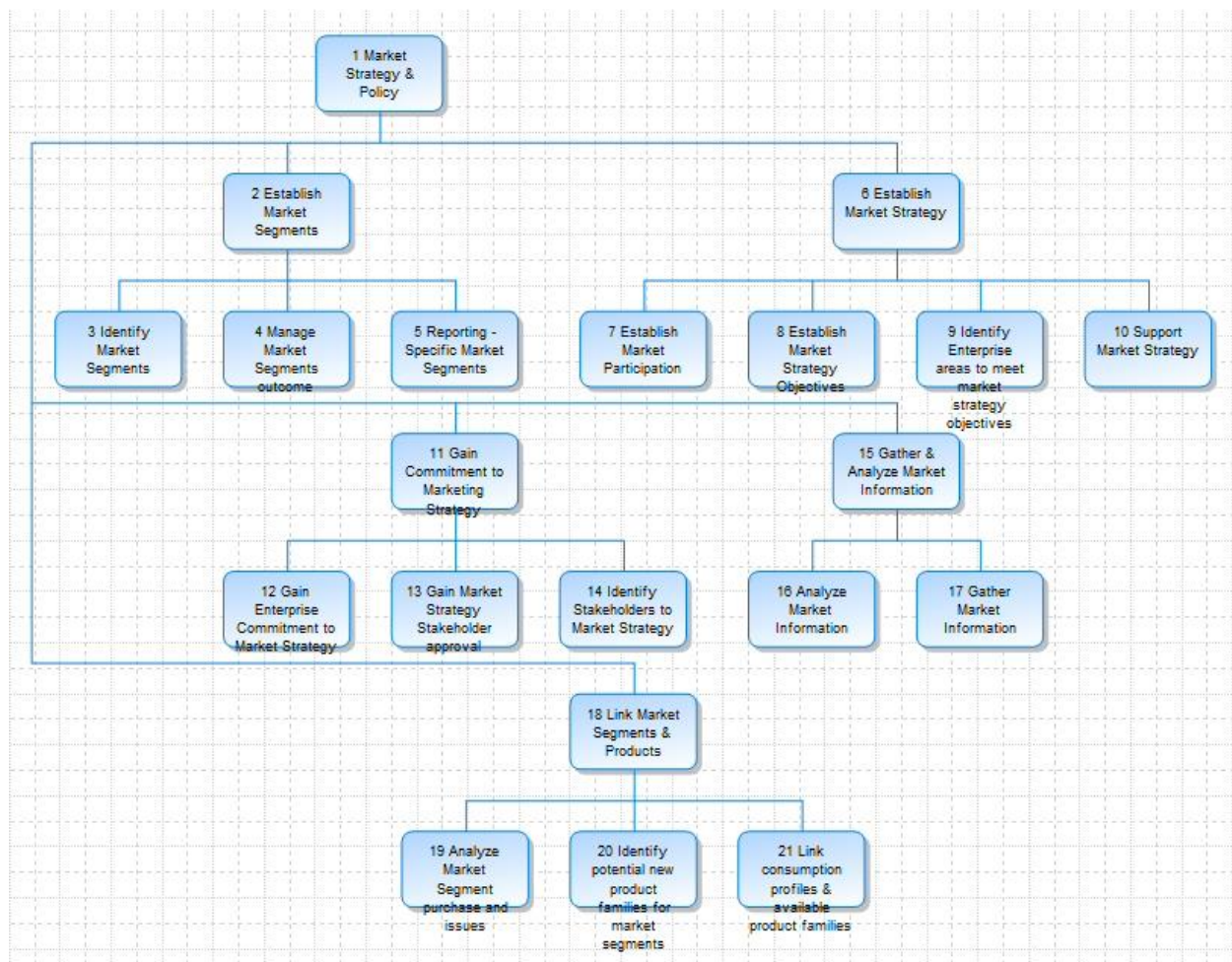
The Explorer diagram *Framework: eTOM Business Process Framework Landscape* provides the high-level processes:



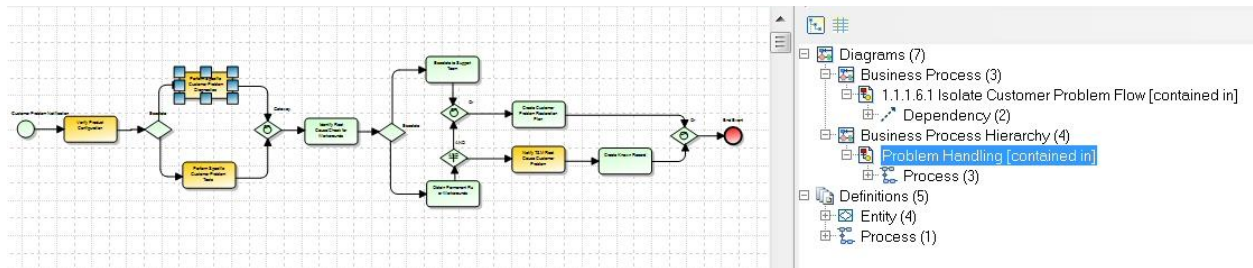
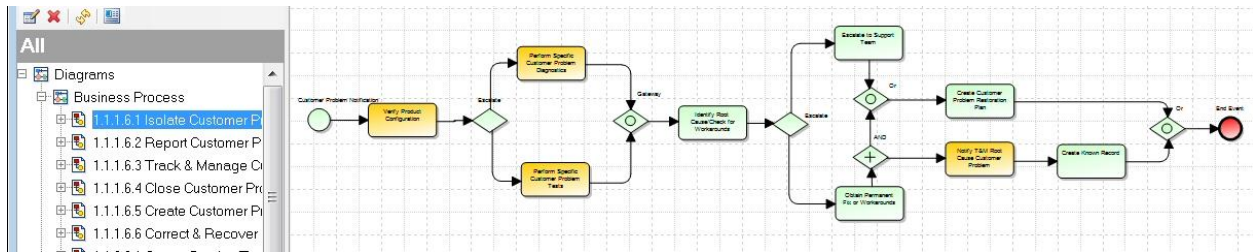
The Explorer diagram has parent-child links to process hierarchy diagrams – a downward arrow in the upper left-hand corner of a process symbol denotes that it is decomposed by a child diagram:



The process hierarchy diagrams look as follows:



The lowest-level processes appear on BPMN diagrams. You can navigate to these diagrams by selecting View, References, and seeing what diagrams a low-level process is shown on. Not every lowest-level process can be found on an example BPMN diagram. Conversely, you can open a BPMN diagram – named Business Process diagram type, and navigate to the Process Hierarchy diagram a process is located on, by selecting View, References, and selecting a process on the diagram.



Each process may be opened to view its definition. eTOM properties are on the Frameworkx eTOM tab.

Dictionary Object - Process - Verify Product Configuration

Name: Verify Product Configuration

Analysis | Execution | Activity Based Costing (ABC) | Governance | Work Planned | Frameworkx eTOM | Frameworkx

Page 1 of 5

Process Type: (4) eTOM Process Type

Process Identifier: 1.1.1.6.1.1

Brief Description: This process verifies whether the customer is using the purchased product offering correctly.

Context: This process element represents part of the overall enterprise, modeled in business process terms, and can be applied (ie [instantiated]) with other similar process elements for application within a specific organization or domain.

Alternate Name:

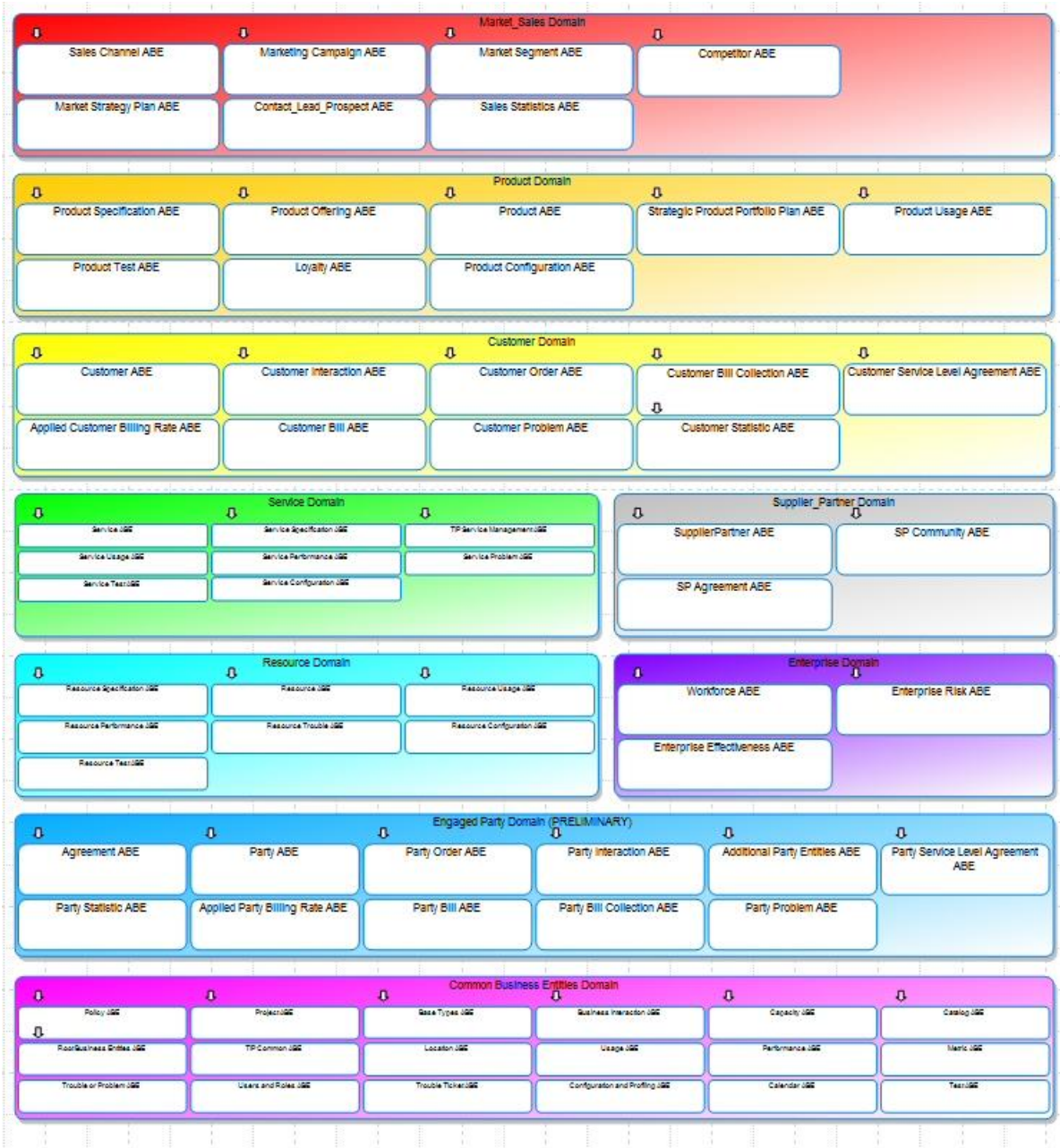
OK Cancel Spell Delete Apply

Text Length: 30

Support for SID

The SID is supported through:

- metamodel extensions to enable capture of SID properties and relationships,
- content for the SID imported from the TM Forum published work,
- Explorer diagrams that provide a framework view of the SID, levels 1 through 4. The highest level SID artifact type is a UML Package; lower-level SID artifacts are represented as UML classes

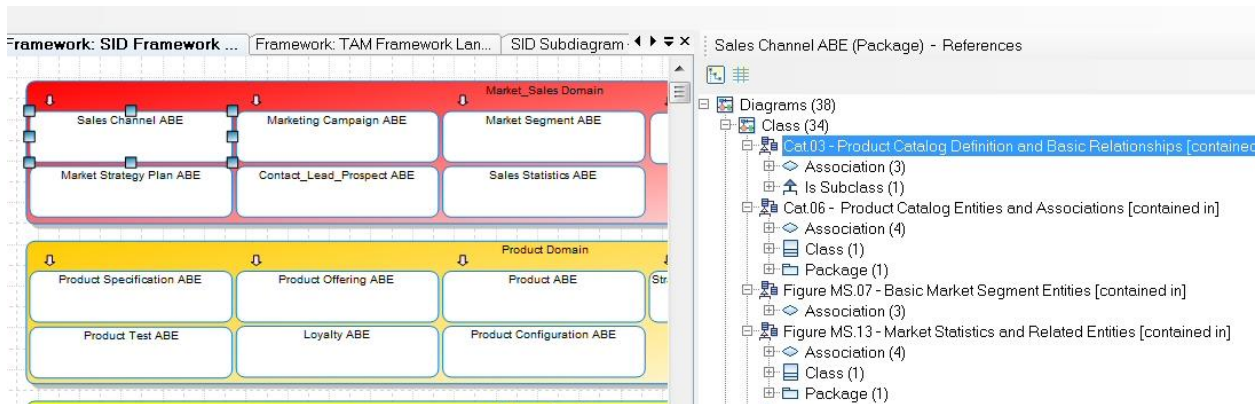


You can navigate from the SID Explorer diagram to Explorer diagrams that show lowest-level SID Classes as follows:

1. Right-mouse click on a symbol that has a downward arrow in its upper left-hand corner (denoting that it is decomposed by a child, and select **Go to Child Diagram**. Alternatively, select the symbol and click the **Go to Child Diagram** menu icon.



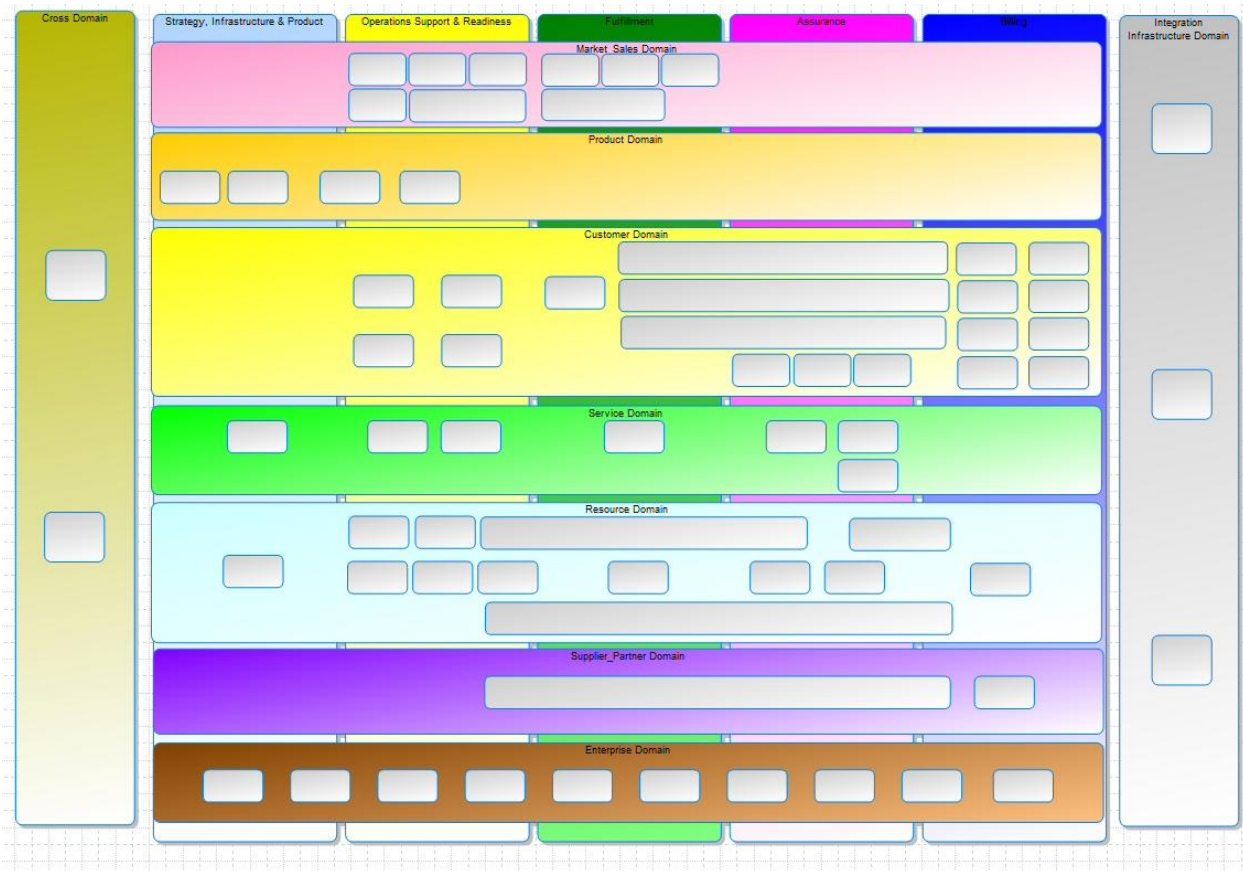
2. You can also select View, References and select a package symbol on the SID Explorer diagram, to see what Class diagrams the package is represented on.



Support for TAM

Support for the TAM includes:

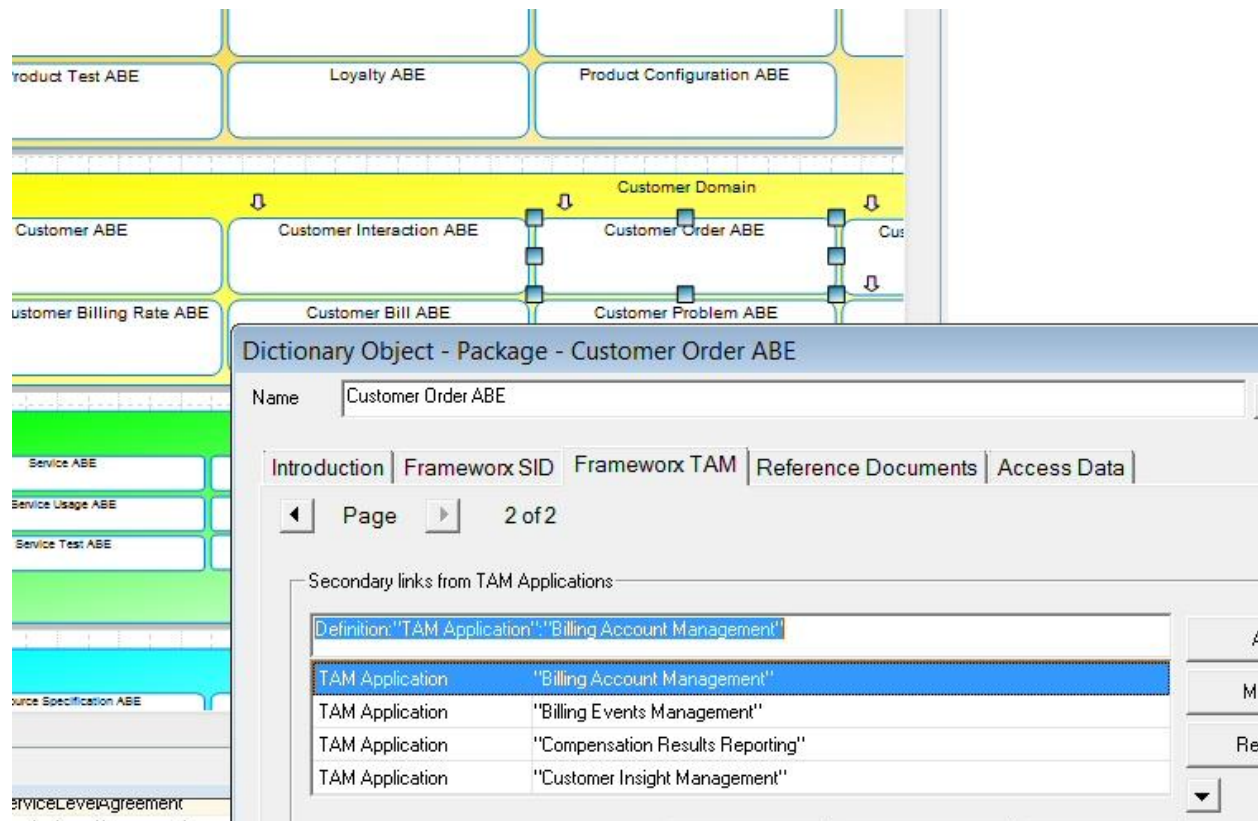
- metamodel extensions to enable capture of TAM properties and relationships,
- content for the TAM imported from the TM Forum published work,
- An Explorer diagram that provide a framework view of the TAM,
- For the TAM – note that there are not any Application hierarchy diagrams in the encyclopedia – all lowest-level Applications are already grouped and visualized on the TAM Explorer diagram so there is no need for a set of TAM hierarchy diagrams.



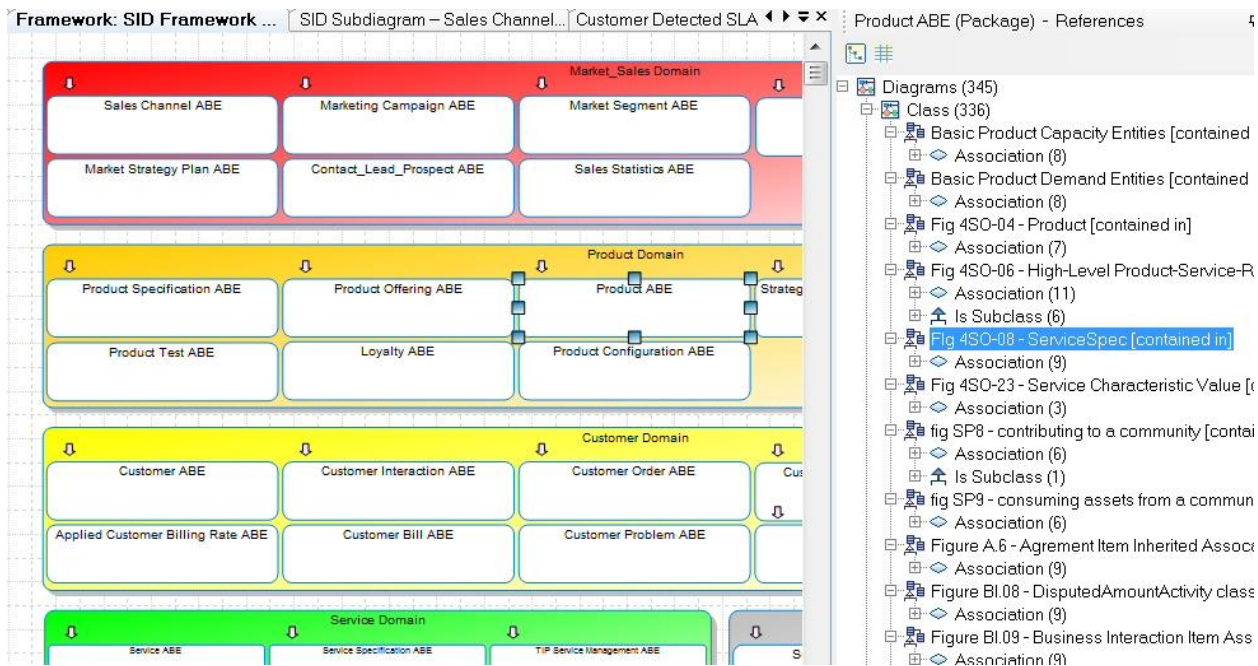
If you examine the TAM Explorer diagram, you will note all 3rd level Applications are nested in the diagram.

Navigating Amongst the TMForum Framework Models

To navigate between SID classes (Services) and their related eTOM processes or TAM applications, you can explore the SID Package definitions.



You can also use the References pane -- right-mouse click on a related class, for example, and navigate to its references -- which would show the Class diagrams it is represented on. Same thing with related Processes, and the Process Diagrams it is on.



3. Third approach is to create a child diagram of an entity on the Explorer diagram representing the SID, and then explode that entity out on the child Explorer diagram -- simply right mouse click on it and choose "Show Immediate Relatives". This will show all processes, and classes, and other related items (and the classes are put into a group that needs to be expanded). Once expanded you can run an analytic to color processes green, and classes blue for example (or use icons).

