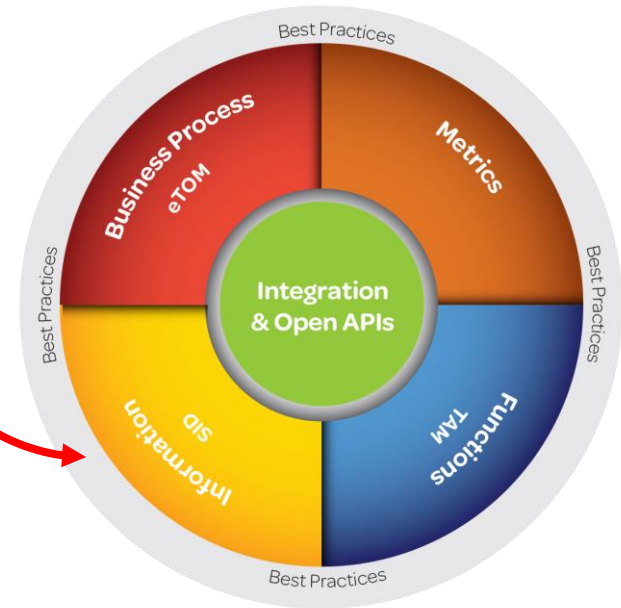
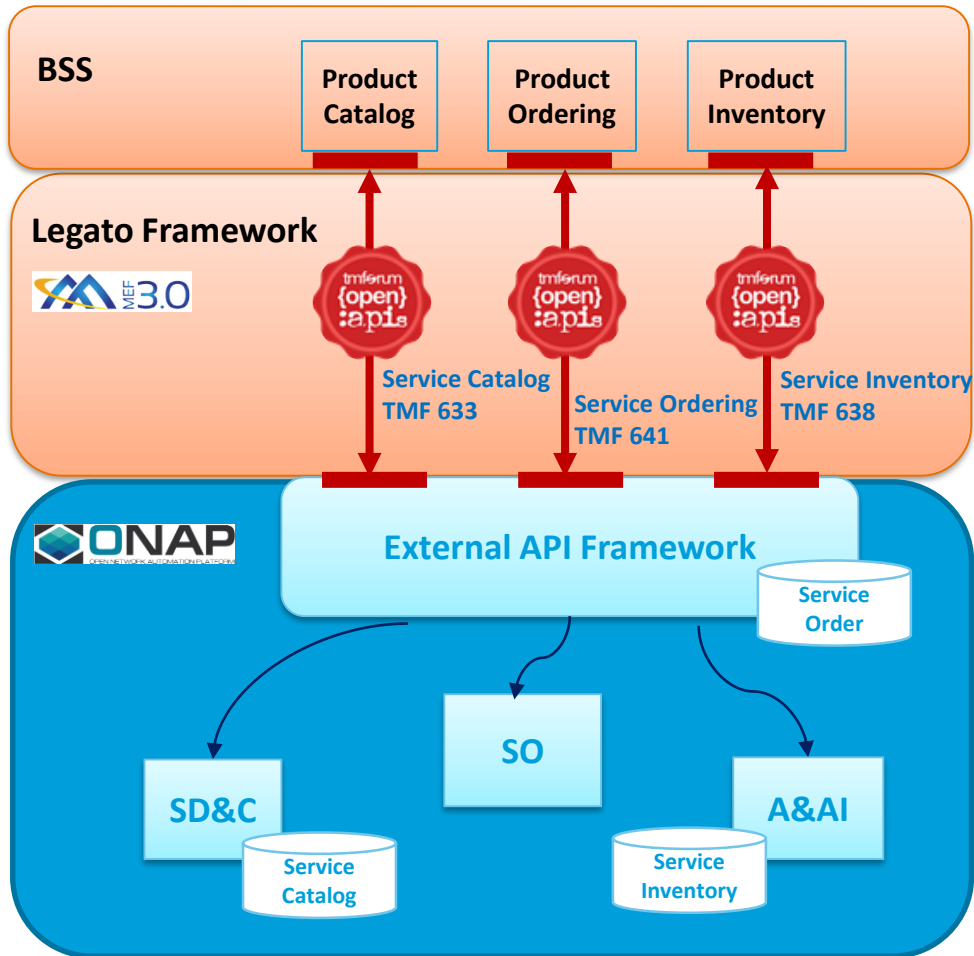


TM Forum and ONAP Collaboration

Jenny Huang
AT&T, Standards and Industry Alliances

- **SID defines a set of common managed objects at a conceptual level, especially in the context of automating the business operations. These include:**
 - Semantically meaningful representation of concepts (classes of entities e.g. customer, agreement, parties, product, service, resource ...) described in an implementation independent manner
 - Class characteristics (attributes)
 - Relationships among classes
 - Operations (actions) performed on classes by actors
- **An accumulated work of over 17+ years, contributed and used by service providers, OSS/BSS vendors in the communications and other industries.**
- **Coupled with the TM Forum Business Process Framework (eTOM) and TM Forum Open APIs, SID provides semantic coherency for the business, IT and network operations within and across the Enterprise.**





1. Introduce TM Forum Open APIs, with a focus on

- Service ordering
- Service catalog
- Service inventory

2. Make ONAP truly model driven

- Use Polymorphic API Pattern introduced in TM Forum API design guideline 3.0.
- Separate API models from implementation specific models:
 - Any services in ONAP can be ordered, catalogued and inventoried using the same APIs.
 - Support any data payload used by ONAP (e.g. MEF, ONF, IETF, OASIS etc.)

3. For Beijing release, leverage proven MEF reference implementation demonstrated in MEF17.

In general, TM Forum work streams are operated under RAND mode with some specifications/code artifacts that are available to the general public:

- **Documentation:** [SID Release 17.0 specs.](#) are publicly available to use, copy or produce derivative work with the inclusion of the TM Forum copyright notice – except the modification of the document itself.
- **Code:** TM Forum Open APIs are currently publicly available for anyone to use under a RAND mode license and can be seen at the TM Forum Open API [portal](#).

Open Source Support:

- On Nov. 24th, 2017 **the TM Forum Board has approved the bylaw changes to make TM Forum APIs available under Apache 2.0 license.** The API changes will go through 60-day member review process to take effect. The first set of APIs to be made available under the Apache 2.0 License mode will take into account the prioritized APIs as identified by the Beijing release will be available outside the TM Forum as Draft Deliverables on Feb 1 2018, then TM Forum Final Deliverables on March 3rd.

Extract from TM Forum [TR258](#): Mapping MEF LSO Reference Architecture to TMF APIs

