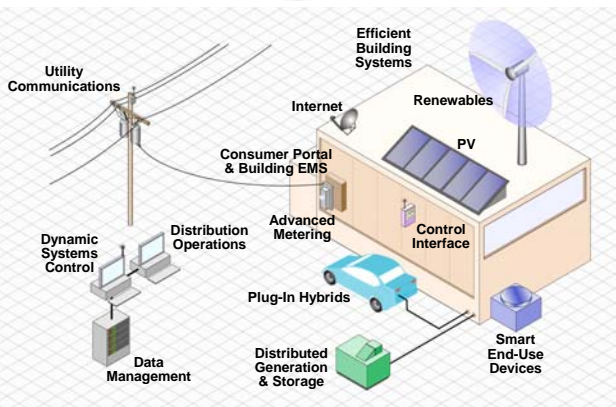
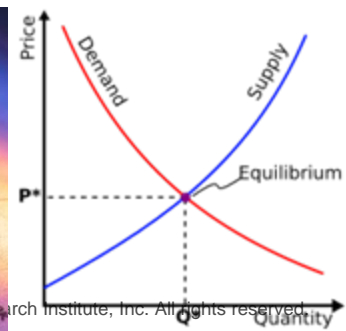




OpenSG – CIM Harmonization and Interoperability

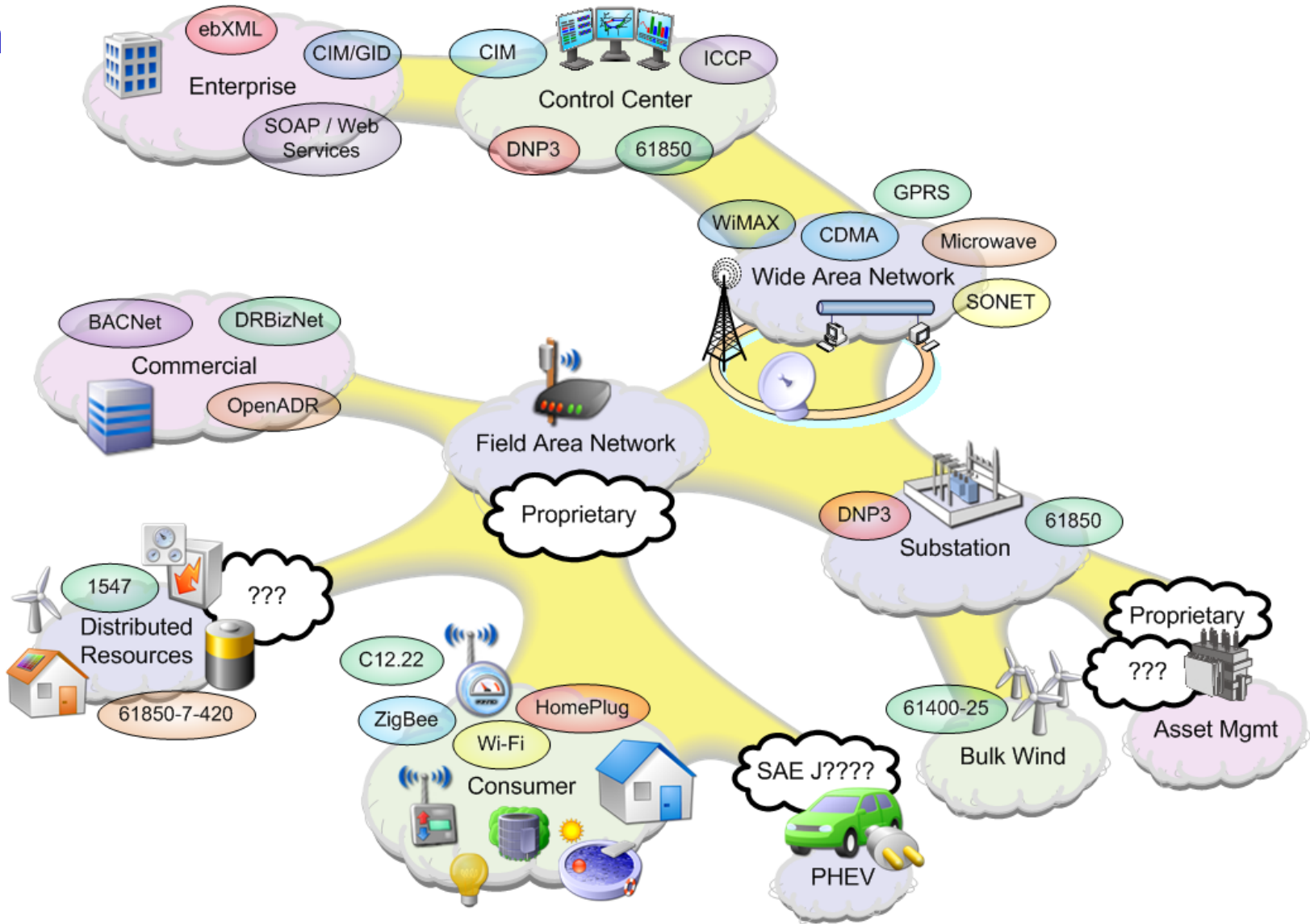


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Distribution Architecture for a Smart Grid



Summary – Upcoming Harmonization Efforts

- OpenSG – CIM Harmonization
 - OpenHAN
 - OpenADR
 - UtilityAMI (AMI-Enterprise)
- Multispeak – CIM harmonizations
 - Inter-operability among Advanced Metering Infrastructure (AMI) head-end systems, Meter Data Management (MDM) systems, and Outage Management Systems (OMS).
 - Topology and electrical model compatibility between GIS and OMS and/or SCADA/DMS using the Common Distribution Power System Model (CDPSM).

OpenSG – CIM Harmonization

- Mapping Effort. The mapping would clearly identify:
 - An overall assessment of the standards that identifies gaps and redundancies as well as move-forward recommendations.
 - How CIM messages and OpenSG message and web service methods correspond.
 - How the payloads of those messages/method calls can be translated.
- Interoperability Test
 - Test the validity of the mapping.
 - Step toward inclusion of the extension in the standard.

OpenSG – CIM Harmonization, Deliverables

- A report containing a summary of the extensions that have been defined, the required data elements and their mappings including summary level UML diagrams and sample data that has been identified.
- Planning Profiles that define the minimum set of data required to implement the use cases.
- Use Cases that describe the objectives and business reasons for the extensions
- UML diagrams for all extensions identified and the associated XML/RDF files required to complete the Interoperability (IOP) tests

Questions?

