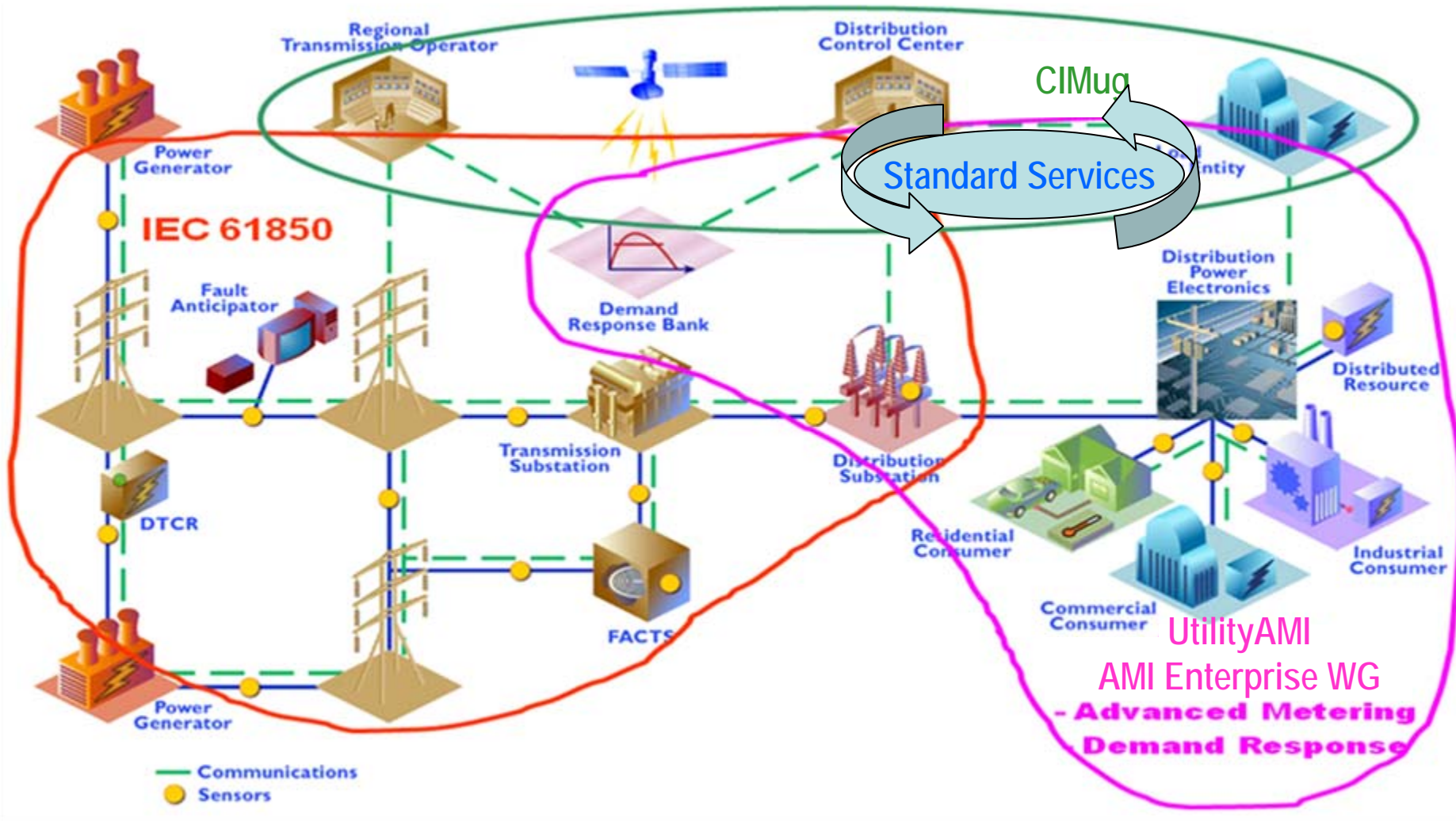


AMI Enterprise Task Force of the Utility AMI Working Group

Overview & Plans

For further information, contact Wayne Longcore
Chairman of AMI-Ent TF
(wrlongcore@cmsenergy.com)
or Greg Robinson, co-chair of AMI-Ent TF
(grobenson@xtensible.net)

Leveraging the Overlap: UCAIug Groups – AMI & CIM

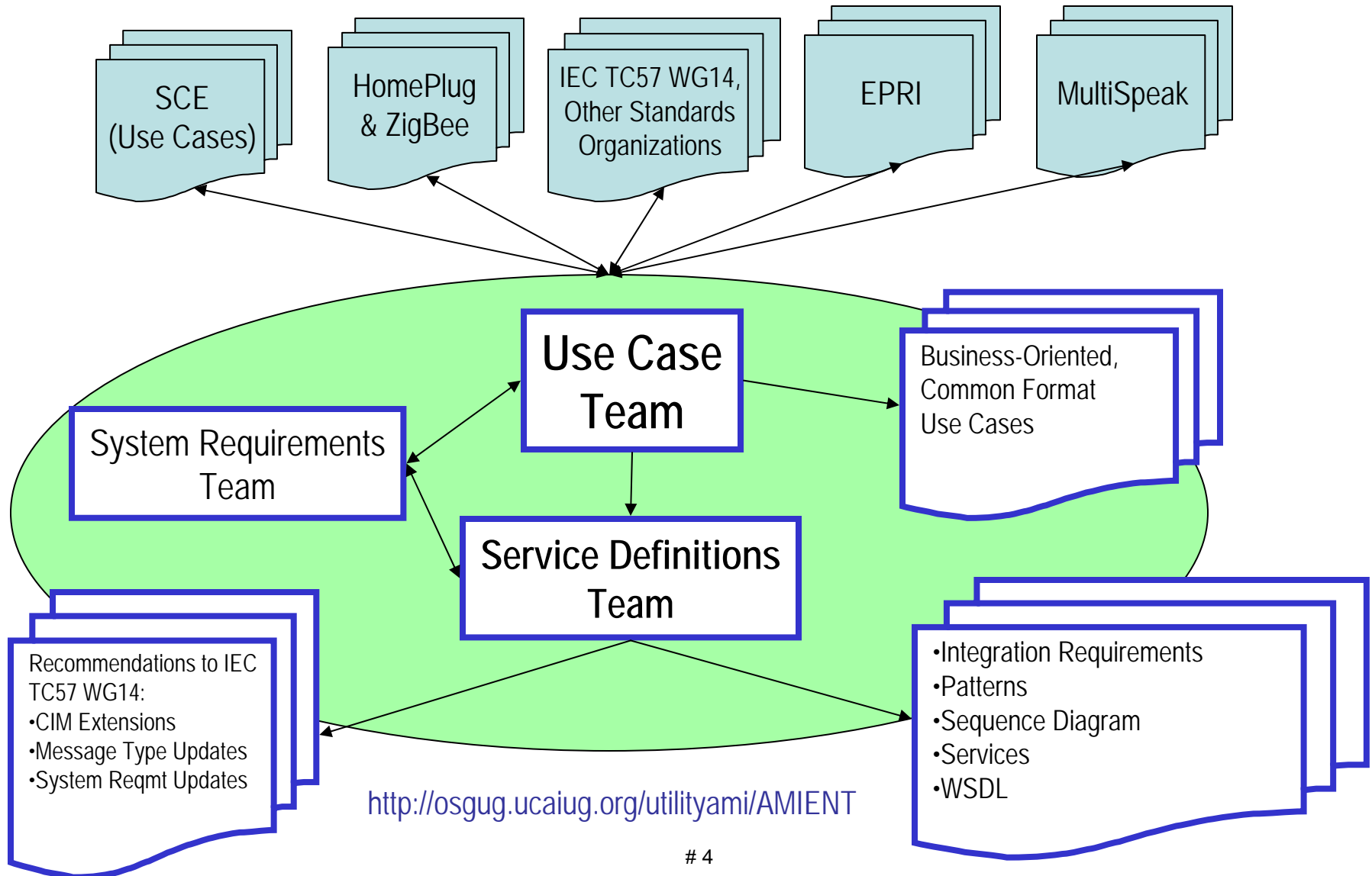


Key Collaboration Concept



- **Standard building blocks** are defined by CIMug and the affiliated IEC working groups along with other relevant industry groups (e.g., Open Applications Group (OAG), MultiSpeak, OGC)
- **Requirements (use cases)** are gathered from helpful sources
 - Utilities like SCE
 - Various industry initiatives such as those led by EPRI
 - Alliances such as the HomePlug and ZigBee Smart Energy Alliance
- The AMI Enterprise Task Force articulates **Common industry practices** that satisfy **requirements** through the use of **standard building blocks**.
 - Recommended extensions and changes to **standard building blocks** are provided back to appropriate standards bodies.

AMI Enterprise Task Force



SRS Team

- Goal: Generate System Requirements Specification (SRS)
- Team Leader: Joe Zhou (jzhou@xtensible.net)
 - Similar scope and coverage as SRS created by Utility AMI WG's OpenHAN TF. Include the following topics:
 - A discussion of the reasons the Utility members of the AMI-Ent will undertake this work
 - Includes a glossary of terms
 - Guiding Principles and the System Architecture
 - Includes an assessment of the IEC61968 Interface Reference Model (IRM) as a means for organizing information exchange requirements among utility business functions.
 - A list system requirements not necessarily covered by business use cases.
 - This document would lay the foundation on which independent use cases and services would be defined.
- First Step: Assess IEC 61968 standards to determine gaps between the standard and what is needed for AMI-Enterprise scope. Make recommendations to fill gaps.

Use Case Team

- Goal: Incrementally build up a set of generic use cases that are expressed in similar format for the scope of AMI-Enterprise.
 - **Team Leader: Terry Mohn** (MMohn@Semprautilities.com)
 - Maintain a master list so that utilities can collaborate with other utilities working on the same use cases.
 - This business-oriented team will normalize existing and new use cases by putting them into a standard template:
 - Based on IEC 61968 interface reference model (IRM).
 - As each utility member has limited available bandwidth, each member will focus on a subset of use cases most relevant to its current work for a given increment.
 - An increment is the amount of work a utility member can accomplish between AMI-Enterprise meetings.
 - Process for a given utility's subset of use cases:
 - First step is for its representatives to review existing use cases to see if they are fit for purpose for its business processes.
 - For ones that are fit, it will recast the use case into the new template and extend/modify it as necessary to cover its requirements.
 - For each business process that is not currently captured in a use case, the utility will create a new use case.
 - Each utility will have a directory where it will post its generic use cases.
 - In addition to being used by the Service Definitions Team, fellow team members will be invited to review them to identify significant differences in practice and/or areas of concern.

Service Definition Team

- Goal: Define integration requirements and service definitions:
 - Team Leader: Jerry Gray (grgray@cmsenergy.com)
 - Technical perspective that builds on business use cases defined by Use Case Team
 - Defines integration requirements and service definitions in accordance with the use cases defined by the Use Case Team.
 - Output:
 - Integration Requirements
 - Patterns
 - Sequence Diagram
 - Services
 - WSDL
 - Recommended standard building block updates
 - CIM extensions, IEC 61968 message type updates, system requirement updates, etc.

EPRI Workshop

- Overview of the CIM
 - Why care?
 - What's at stake?
 - Who is responsible for this?
 - How is it extended for new functionality?
 - What is it?
 - A walk through of key concepts and fundamental components of the CIM
 - A little extra time for areas of interest to Utility AMI
 - How is it used?
 - An overview of how the same CIM is used to create a common language that transcends technologies
 - How to orchestrate disparate projects to avoid stranded IT investments