

## IRC Model Changes from Rev0 to Rev1 - September 2, 2010

- Renamed root node from Wholesale to OrganizedEnergyMarkets.
- Renamed Wholesale package to IRC-Wholesale package.
- Deleted CIM package and replaced with IEC61970\_IEC61968\_Reference package to use it as the reference (instead of recreating CIM pieces in the IRC model we opted to use a snapshot of CIM directly).
  - Moved suggested attributes (with <<irc>> stereotype) from the classes in the old “IRC” CIM package to the new IEC61970\_IEC61968\_Reference package.
  - Relationships between IRC classes and CIM classes now leverage the CIM classes in the new IEC61970\_IEC61968\_Reference package.
- Revamped the class diagrams in the Diagram package under SummaryViews and Detailed Views.
  - Deleted unnecessary diagrams.
  - Colored all suggested IRC classes in yellow.
  - Left existing CIM classes in white (same as the original in the IEC61970\_IEC61968\_Reference package).
  - Colored all suggested (new) relationships with orange color (leaving existing CIM relationships in black – as the original IEC61970\_IEC61968\_Reference package).
  - Created one diagrams to contain all the inheritance of IRC classes from CIM classes in the DetailedViews: 1 - IRC Inheritance from CIM.
- Deleted unnecessary classes and attributes (based on updated data elements from the business).
  - Removed left over classes and attributes from Rev0 work.
  - Incorporated all Energy Storage elements alongside DemandResponse.
  - Replaced the use of the Facility class with CIM’s ServiceLocation.
  - Replaced the use of ResponseMethod and RMAggregation with CIM’s EndDeviceControl and EndDeviceGroup.
  - Added recursive relationship to Resource.
  - Added recursive relationship to ServiceDeliveryPoint.
  - Better leveraged EndDeviceAsset and created classes DistributedGeneratorAsset and DistributedStorageAsset to server roles similar to MeterAsset.
- Verified class attributes in pertinent classes to the 70 interactions defined for Demand Response and Energy Storage (2 x 35).
  - New attributes suggested for existing CIM classes have the <<irc>> attribute (New attributes inside classes in the IRC package do not).
  - Make several description updates (but more are coming in the final version).