

AMI-SEC Team Teleconference

Wednesday, June 6, 2008.

Daren Highfill, Chair

Please find Security AMI Security Architectural Description Use Case presentation, AMI-SEC Road Map, and UtilityAMI WG and Associated TF Meeting Logistics for June23-25 attached.

Summary

The AMI-SEC meeting was hosted via teleconference and web-conference using GoToMeeting.

Documents

System Security Architectural Description Use Case Presentation; AMI-SEC Road Map; UtilityAMI WG and Associated TF Meeting Logistics for June23-25

Technical Discussion

The chair announced that the next face-to-face meeting is to be held at Entergy, New Orleans on June 25th. Other UCAIug UtilityAMI meetings will be held Jun 23rd and 25th. Additional information may be found online on the AMI-SEC SharePoint site. *The scheduled Teleconference call for June 11th has been cancelled.*

Members working on the Architectural Description (AD), in conjunction with Carnegie Mellon SEI, presented their approach and work-to-date. Definition of views and the combination of views are continuing to be defined. Difficulty has been found in attempting to describe all of the AMI Use Cases that may exist or come to exist, but views that are similar may be used to define security requirements around common scenarios. Scenarios that represent a commonality may include ones with similar interfaces into the AMI system, similar behaviors or similar paths of communication and interaction throughout AMI. Mapping between views for consistency and to avoid ambiguity in the AD document is being established. Traceability of views, and associated use cases, to security requirements is one of the main objectives of the AD.

The document is continuing to be cleaned up and arranged so that information is presented clearly. The document will include non-formative information that will be included to provide background information, but does not describe the architecture itself.

The group working on the AD is requesting input from task force members to help identify missing views, help describe the use cases surrounding new and existing views and assist in mapping to functional requirements.

The slide show presentation began with a discussion of the context view diagram and the relationship between the business function view, user view and security function view. The diagram displayed AMI at the center and Customer, Third parties, and Utility as externally connected actors. The AD is an effort to describe the associations between these objects including their interactions, relationships, shared data, ownership, control, etc. Additionally, the work of mapping Use Cases to security objectives that in turn map to requirements is in progress.

The next slide displayed the customer actor and potential sub-actors. Discussion was generated around sub-actors (residential, commercial, industrial and municipal) and the potential to have different security interactions with AMI. Municipalities that provide service such as street lighting, traffic lights, and other services developed particular interest in discussion because of the potential to interact from a different security perspective with AMI. An action item was generated for the group to provide examples of relationships with municipalities and their differences. The comment was made that municipalities do provide themselves as a different target to threat.

There was also discussion about access control and which method should be applied. Conclusion was made that the goal of the AD is to provide enough information for the design to be able to define which access control methods should be used.

Other benefits for the AD were discussed such as reuse, a basis for testing the architecture and survivability of the system.

The chair presented a draft of the AMI-SEC road map for discussion. The chair explained how the charter, scope and definition of AMI are evolving into a set of frequently asked questions (FAQ). Further explanation was given to the external interfaces (groups) that are working with AMI-SEC to create the four deliverables. Also the interaction and work performed with the AMI Acceleration Project (ASAP) team was displayed.

Action Items

All – provide general information about relationships with municipalities and how they differ from a security perspective from other customers.

Frances Cleveland – Will check to see if she can provide a copy or subset of key elements developed by the IEC for use in developing Use Case scenarios.

Upcoming Meetings

Entergy, New Orleans on June 25th. See AMI-SEC SharePoint site for more information.