



# **UCAIug: AMI Security**

Update – October 2008

**→ AMI-SEC Task Force**

**→ AMI Security Acceleration Project (ASAP)**

**AMI-SEC Task Force Chair:**

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Tech Committee

OpenSG

UtiliSEC

AMI-SEC

Utilities

Vendors

Academia / Gov't



# AMI Security Acceleration Project (ASAP)

- **Initial Concept:** Late January 2008 (hat tip to Consumers Energy)
- **Challenge:** AMI-SEC TF is volunteer-based
  - Operates somewhat like a standards body
  - Heavy deliverable schedule, pressing industry need
  - Utilities strapped for human resources
- **Solution:** Utility-initiated collaborative project with DOE and EPRI



- Band together to fund SME's

- Make the team directed, agile, and accountable
- Do “AMI-SEC homework” for utilities (off-load utility personnel)

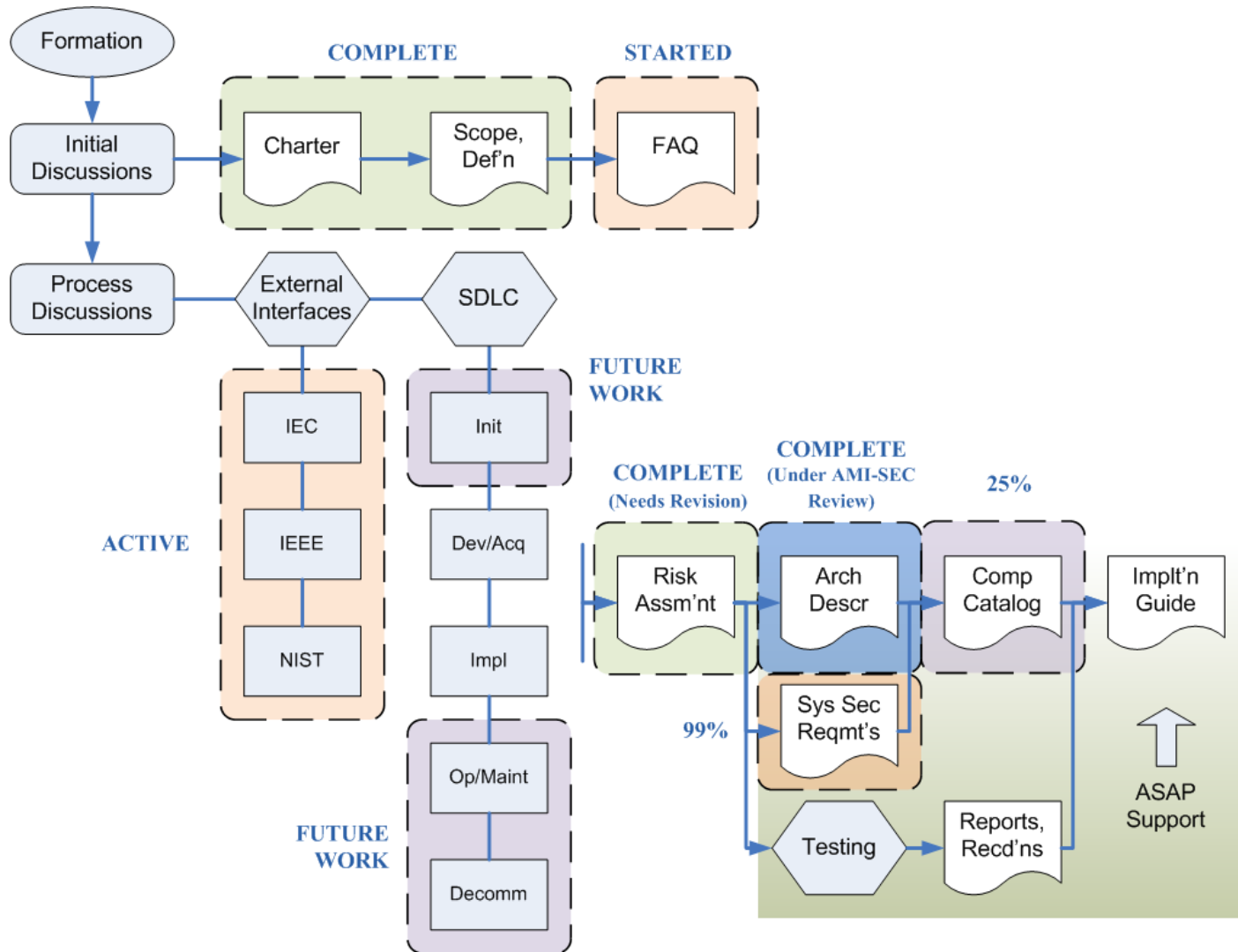
- Utilize FFRDC resources (INL, ORNL, SEI)

- Perform independent 3rd party testing

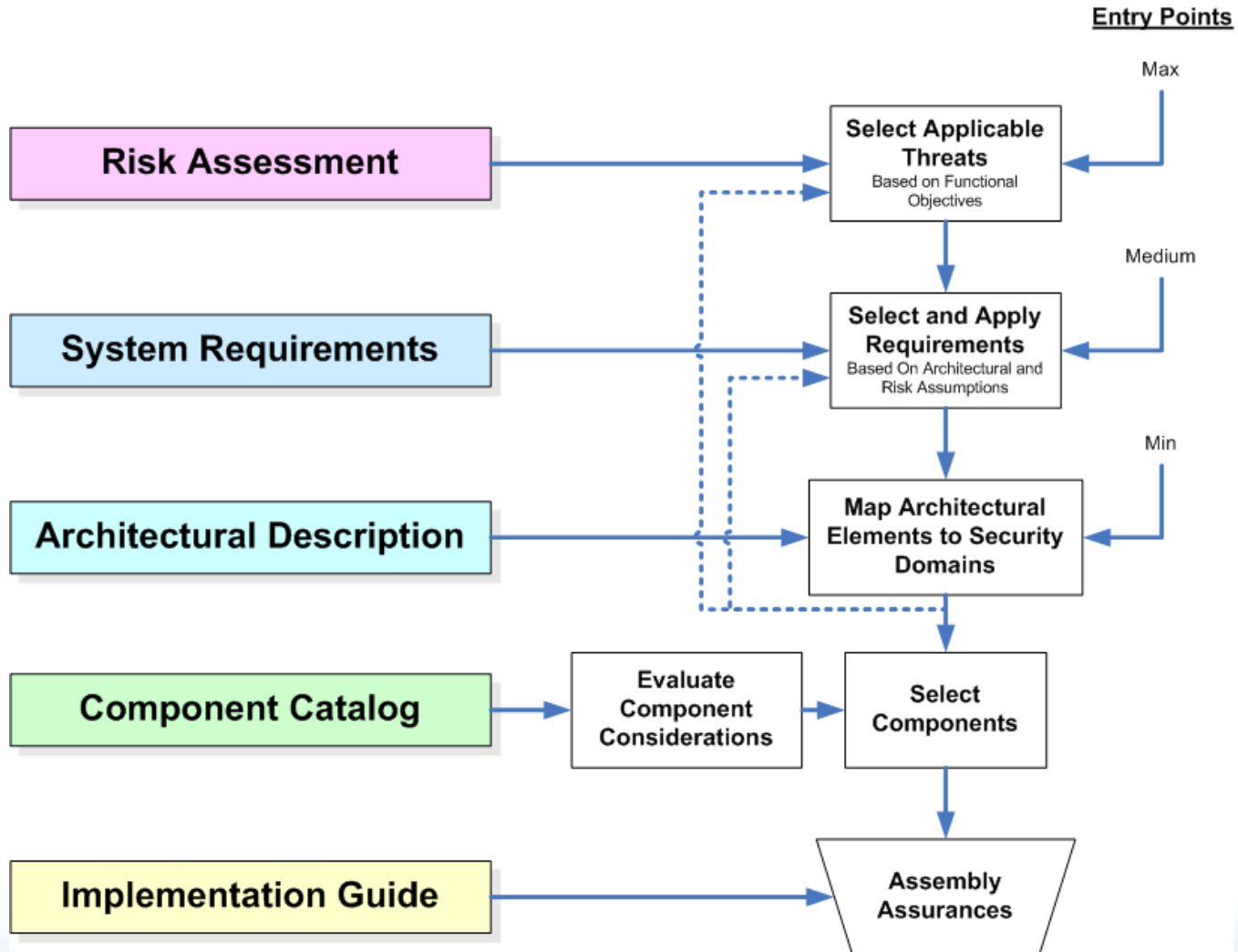
- Collaborative R&D at EnerNex, EPRI Living Laboratory, Utility Laboratories, and Pilot Locations



# AMI-SEC / ASAP Roadmap



# AMI-SEC Deliverable Usage



# ASAP Goals & Objectives – Status

1. Ease utility HR demands
  - **Done and continuing:** utilities have been able to guide the process through AMI-SEC with occasional email and phone calls.
2. Provide RFP material
  - **Almost done:** System Security Requirements document at 99% mark.
    - Only Executive Summary remains.
    - Will be presented at Oct. 23 AMI-SEC F2F in Knoxville.
3. Develop test plans
  - **Underway:** Red Team and Idaho National Laboratory have been working on these since early summer.
4. Perform independent 3<sup>rd</sup> party vulnerability testing
  - **Ready to start:** Red Team currently awaiting vendor equipment.
5. Produce recommendations for security architecture
  - **Underway:** Architectural Description document complete, INL recommendations in progress.





Questions?



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**AMI-SEC Collaboration Site**  
<http://osguq.ucaiug.org/utilisec/amisec>

