Metering and AMI Interest Group

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Webcast Meeting
April 2nd, 2014
Agenda for Today’s Call

• Introductions

• Guest Presentation (30 mins)
  – Underwriters Laboratories Meter Safety Testing
  – Q&A

• AMI System Prognostics and Health Management Update

• Open Group Discussion

• Call for Additional Items?
The *Metering and AMI Interest Group* is an Activity of the EPRI Research Program:

- 161D - Information and Communication Technology for Customer Integration (2014 and previous)
- 161F - Advanced Metering Systems (2015 and beyond)
Guest Presentation
Common Process Development Initiative

• Good start in 2013 by utilities and AMI vendors

• Continued utility emphasis as a high-value activity

• Contributions from key component manufacturers

• Engagement with other industries through IEEE P1856

• 2013 Outline Report
What is Prognostics?

- Early Failures
- Normal Mid-Life Failures
- Wear Out Failures

Based on What I can Observe Now

How Much Time Do I Have Left?

Failure Rate Tolerance

End of Life
University of Maryland
Center for Advanced Life Cycle Engineering

• An engineering focus at the University of Maryland, College Park

• Leading the IEEE P1856 PHM for Electrical Systems

• Possibility: Short course in AMI PHM for utilities (1-2 days)

• Economics assessment expertise and tools. Making the business case: How much should I be spending on AMI prognostics?
Open Discussion