

Energy Management (EMAN) Applicability Statement

draft-ietf-eman-applicability-statement-00

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EMAN Applicability Statement

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- What is new in this version ?
 - This draft updated as a WG document
 - contains a updated set of use cases
 - Discussion of related standards that influence EMAN
 - Several editorial changes

- Open issues – feedback from the WG

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- Use case Scenarios & Target devices
 - Network devices - Routers, switches and their components
 - Devices attached to a network - PoE powered devices
 - Smart Meters and PDUs
 - Proxys – mid-level managers
 - Gateways to building networks
 - Home energy gateways
 - Data center devices
 - Multiple power sources
 - Energy Storage devices (battery, UPS)

- Industrial Automation scenario (ODVA)
- Demand Response
- Off-Grid devices
- Power Capping

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- EMAN <-> other Energy standards
 - 4.1. Data Model and reporting
 - IEC - 61850 , DMTF, ODVA, ...
 - 4.2. Measurement
 - ANSI-C12, IEC 62053-21
 - 4.3. Informational
 - Energy star, Smart Grid

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- Open Issue -1
 - IEC Standards applicable to EMAN
 - IEC 61850 -7-4 - information model for power quality/ characteristics
 - IEC 61000-4-30 - useful for power quality benchmarking
 - IEC 62053-21 - Energy measurement
 - Any other standards to be considered ?
 - Proposal – close this open issue

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- Open Issue -2
 - ASHRAE SPC-201P standard
 - Can be relevant to EMAN
 - Should be released for public review

 - Need to review
 - Use cases
 - Information model

- Proposal – Keep this open issue as a placeholder

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- Open Issue – 6
 - We have a list of use cases – network scenarios EMAN should solve
 - some overlap between use cases
 - should we drop some of the use cases if there is overlap
 - Do we need a list of unique use cases ?
- Open Issue – 3
 - Review requirements to check if the requirements can be traced to a use case
- Seeking feedback from WG

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- Open Issue – 4
 - Scope of Applicability Statement
 - Should the Applicability Statement cover concepts that are only developed to implement the requirements in the framework ?

- Proposal – Applicability Statement should describe the application of the technology developed in EMAN

- Feedback from the WG

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- Next Steps

- Suggestions on use cases or standards that should be considered by EMAN
- Feedback on the open issues