Requirements for Energy Management

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Status

- Already quite mature at IETF #82
  - Only a few open issues

- Most work spent on cleaning the text
  - Re-ordering of sections, 100+ editorial changes
  - Many thanks to all who contributed

- Still some open issues left

Open Issues

- Internal issues (just requirements draft)
    - Do we need DC power characteristics/quality?
        - Proposal: yes, for now
    - Drop power quality requirements on THD and impedance?
        - Proposal: yes, for now
    - Directional metering
        - The authors should be able to come up with appropriate phrasing
    - Context, importance, priorities
        - What of them is required?

- General issues (eman WG)
    - Term to be used for power quality/characteristics/properties
    - Issues related to the final concepts of devices and interfaces, objects and entities.
    - Time series reporting (see next slide)

Time Series Reporting

- There are many choices for time series reporting

- Which quantities should be reported?
  - Energy or power?
- Which time interval type should be used for energy?
  - Total, delta, sliding window?
- Which measurement method should be used for power?
  - sampled, continuous?
- Which reporting model should be used?
  - Pull or push?
  - SNMP or IPFIX?

Next steps

- Finish open issues as soon as possible on the mailing list

- Have new draft briefly after this
    - Changing text based on decisions is quickly done

- Take resulting version to working group last call