Looking into the future of...
... the oneM2M standards development process

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Legacy process

- From 1988 and the GSM work ETSI has been publishing specifications
- Move to electronic representation thanks to computer editing software
- oneM2M (and many other standardisation initiatives/bodies) still rely on a process that translates the paper-based approach into the digital world
- No significant leverage of tools available today
Looking at software development practices

- The text of a standard has several commonalities with software source code
- What if we leverage tools available for software in the context of standards development?
Expected results

- Immediate availability of new baselines once contributions are approved
- Strict adherence to drafting rules
- Decreased workload for rapporteurs & editors
- Independence from the publishing format
Current efforts in oneM2M

- oneM2M is experimenting with a new contribution process for which a proof of concept is available
- Under the supervision of the oneM2M Technical Plenary, the Testing & Developers Ecosystem (TDE) working group is leading the effort
- All formats & tools used are openly available
Adapting open source practices to standards development

Use software development practices and open source document formats for the standards development process

- Markdown for documents
- GitLab for collaboration and version control
- Mermaid, PlantUML, SVG and others for diagrams and drawings

Trialed in oneM2M for some of the technical reports and specifications
Status of trial

- oneM2M's TDE and RDM in the process of creating first markdown baselines
- Technical Report within WI on oneM2M Enhanced Filter and Queries to be developed entirely using the trial process
- Ongoing analysis and mapping to formal process and drafting rules
Thank You!