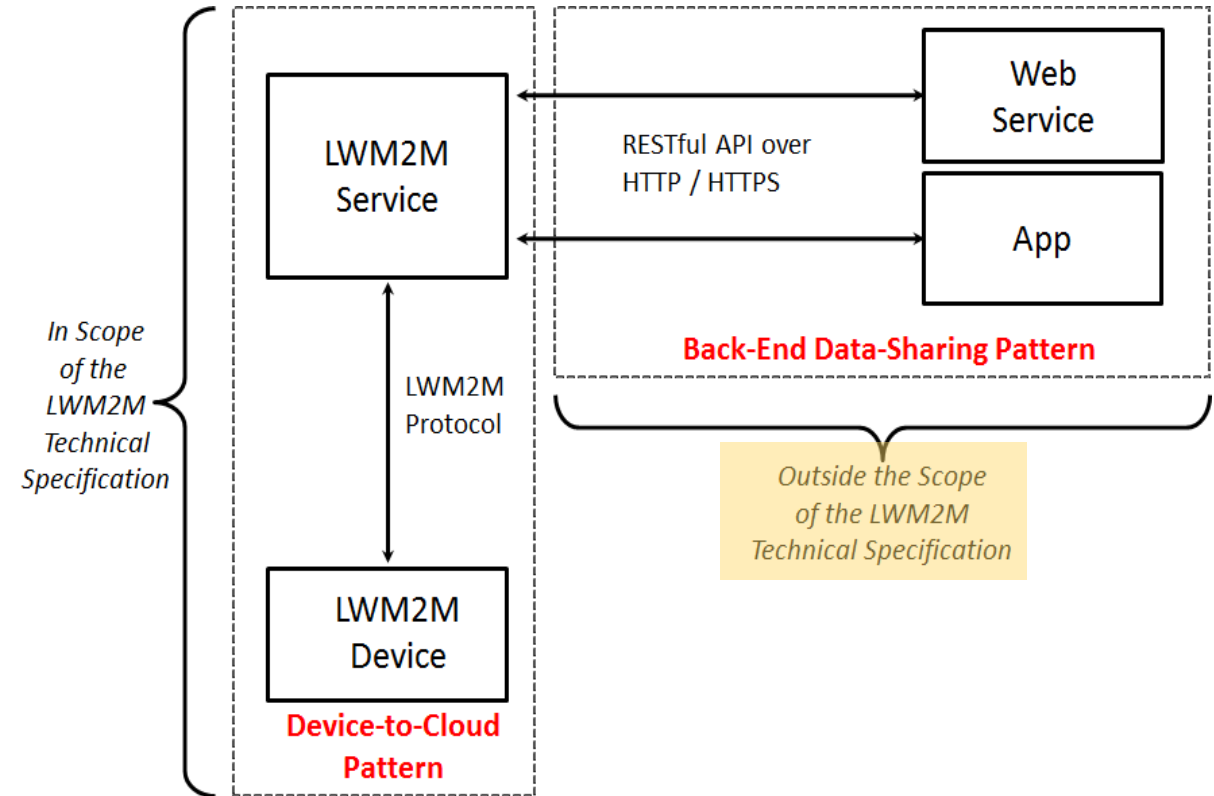
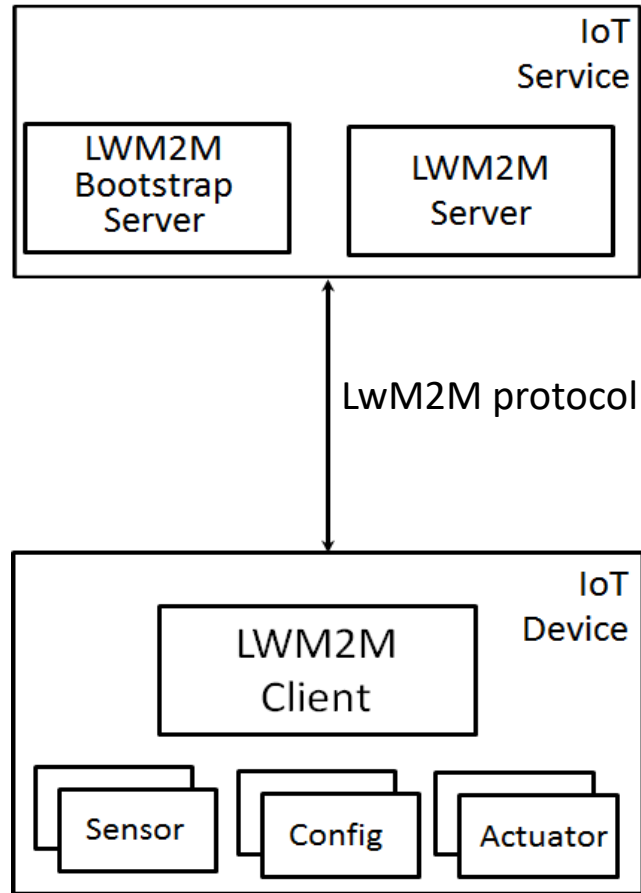


# LwM2M Status Update

**Joint IETF / OMA call, 26<sup>th</sup> Feb. 2019**

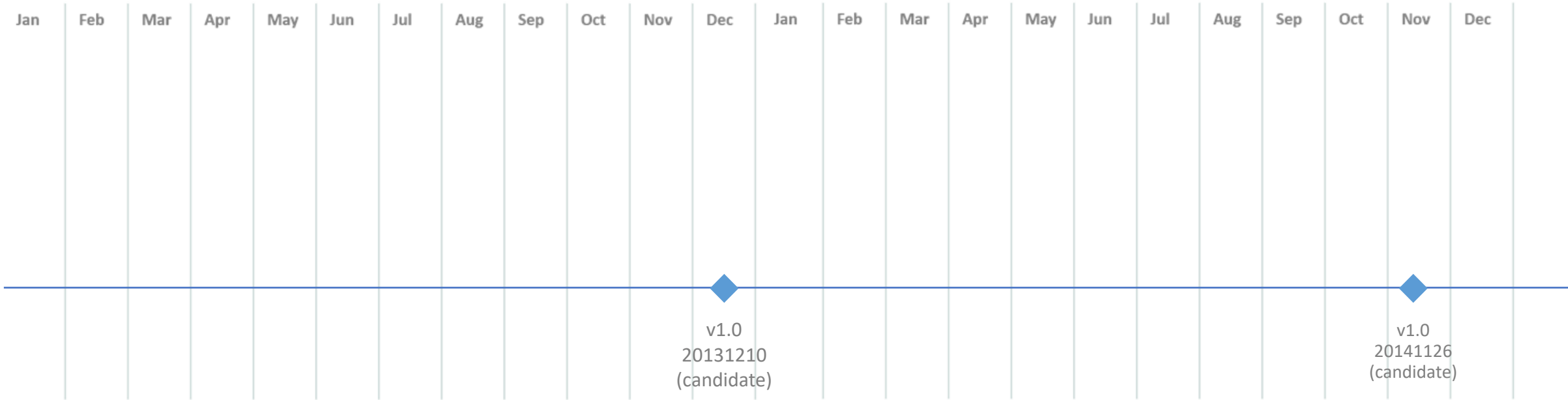
# LwM2M Architecture



# Specification Evolution

2013

2014



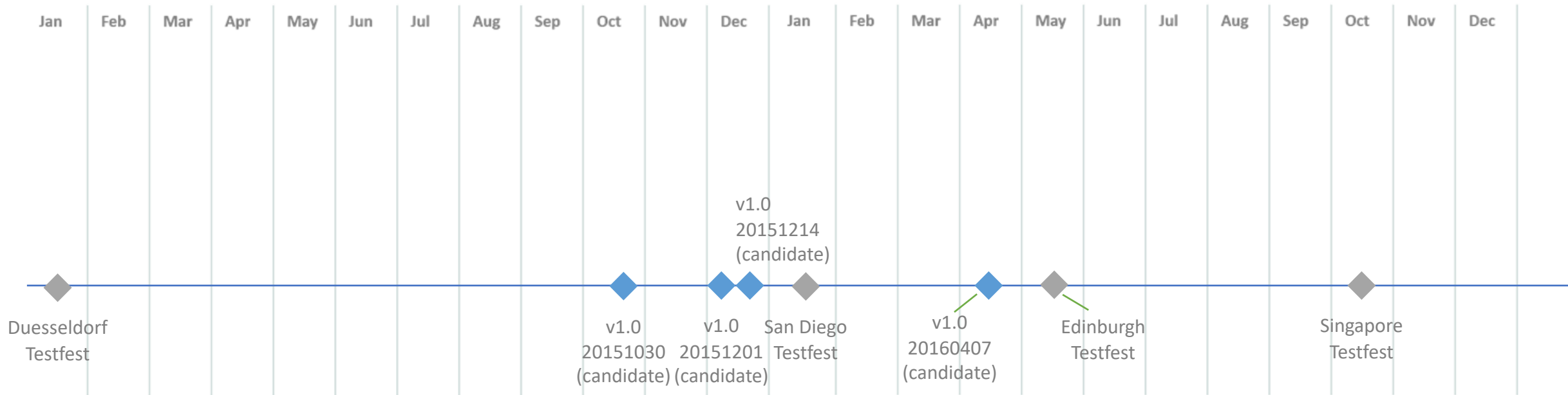
## Legend

- ◆ Specification Release
- ◆ Testfest

# Specification Evolution, cont.

2015

2016



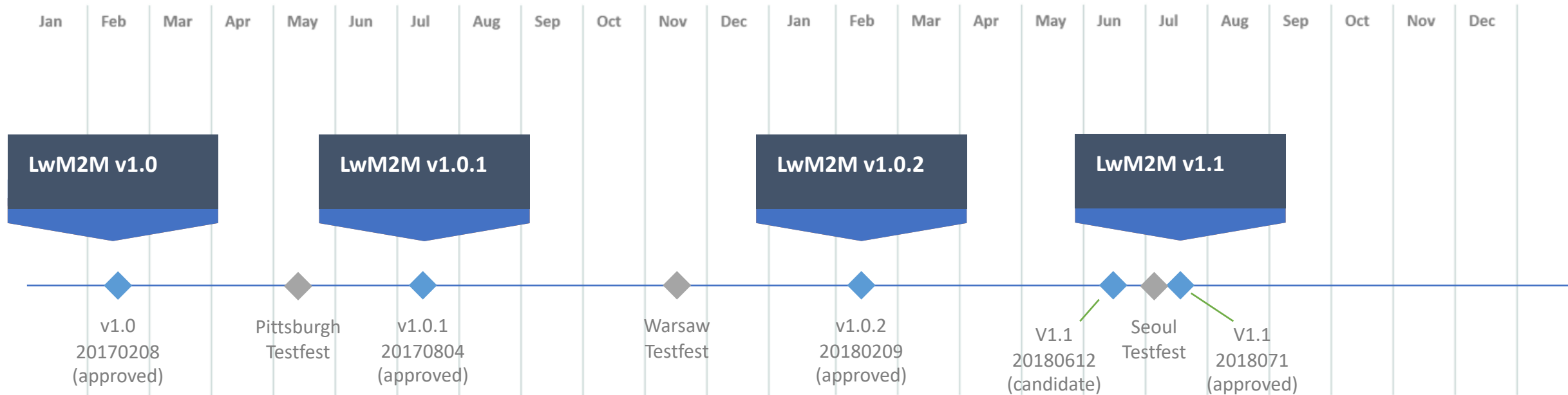
## Legend

- ◆ Specification Release
- ◆ Testfest

# Specification Evolution, cont.

2017

2018



## Takeaways:

- LwM2M is around for some time already and many testfests have taken place already.
- There are 4 approved LwM2M spec versions: v1.0, v1.0.1, v1.0.2, v1.1
- LwM2M is a mature protocol used in deployments today.

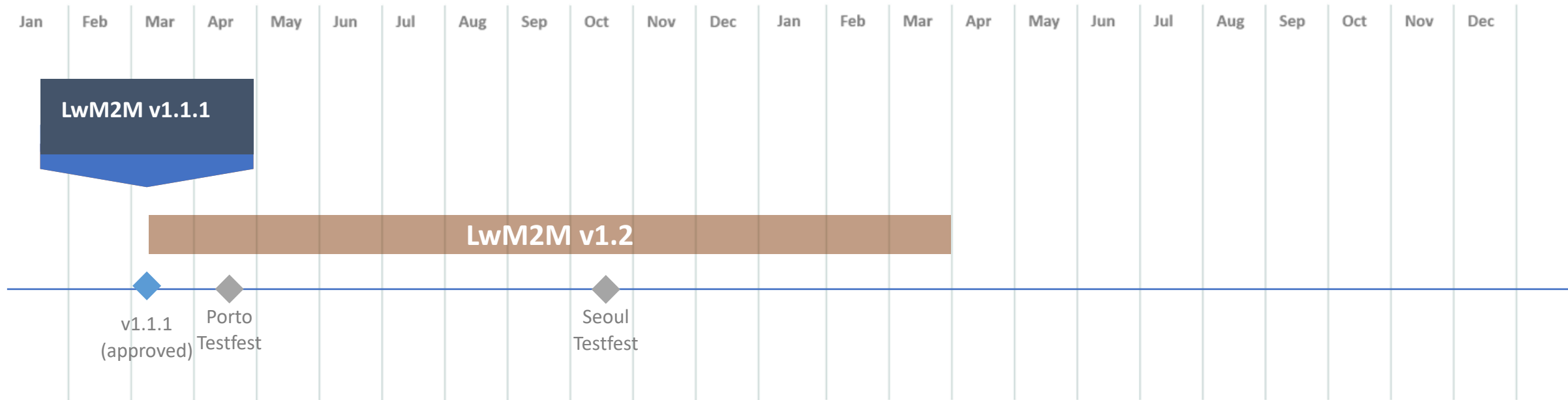
## Legend

- ◆ Specification Release
- ◆ Testfest

# Plan

2019

2020



## Takeaways:

- Bugfix release of v1.1 getting out of the door right now.
- Work on v1.2 has been started; requirements are published at [http://www.openmobilealliance.org/release/LightweightM2M/V1\\_2-20190124-C/](http://www.openmobilealliance.org/release/LightweightM2M/V1_2-20190124-C/)
- Future testfests will focus on testing v1.1 features.

## Legend

- ◆ Specification Release
- ◆ Testfest

# Useful Resources

Public LwM2M Github repository:

[https://github.com/OpenMobileAlliance/OMA\\_LwM2M\\_for\\_Developers/issues](https://github.com/OpenMobileAlliance/OMA_LwM2M_for_Developers/issues)

Specifications:

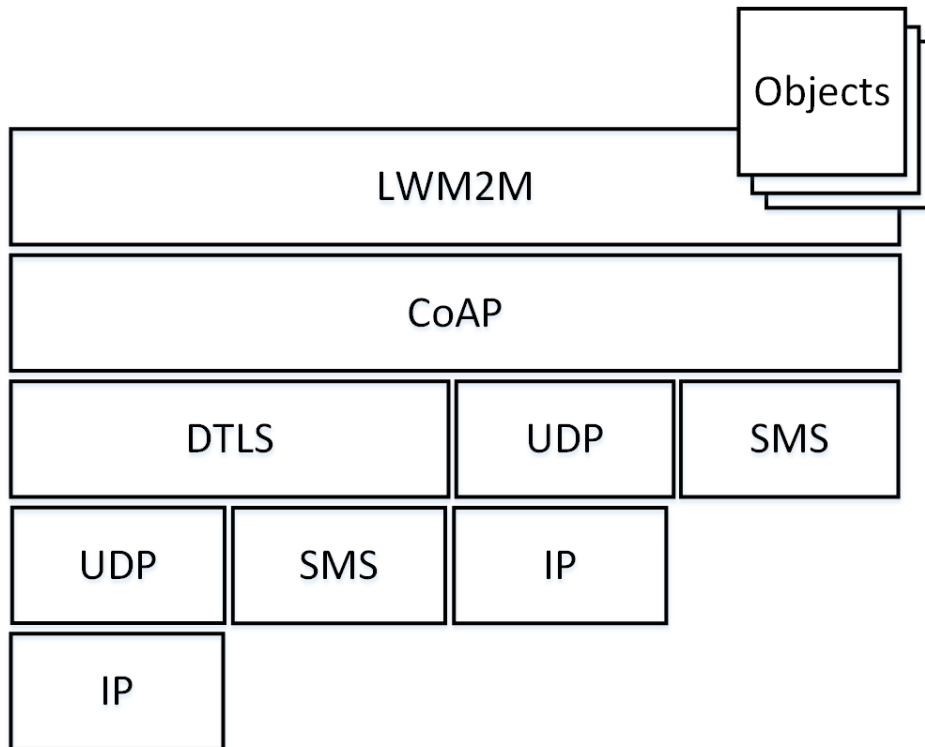
<http://www.openmobilealliance.org/release/LightweightM2M/>

Object and Resource Registry:

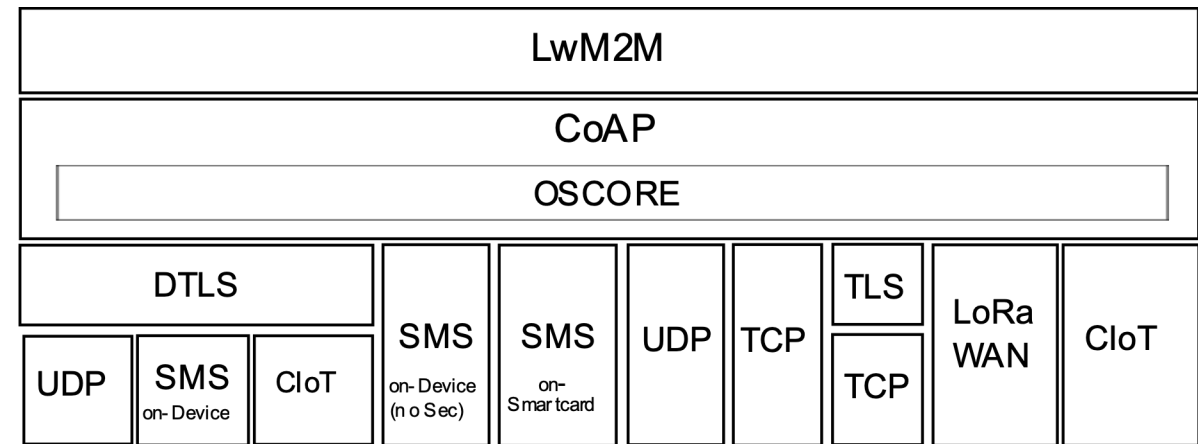
<http://www.openmobilealliance.org/wp/OMNA/LwM2M/LwM2MRegistry.html>

# Protocol Stack

## LwM2M v1.0, v1.0.1, v1.0.2



## LwM2M v1.1



- We are planning to make the split between LwM2M message and transport even clearer by adding additional transports to v1.2, such as MQTT, and HTTP.



# Our Work Style and Challenges

- We prefer to re-use IETF specifications.
- We receive implementers questions via our public Github repo.
- We test our specifications.
- IETF groups operate at different timescales. This has created interoperability problems since LwM2M specifications refer to drafts instead of RFCs.
- Sometimes they relate to IETF specs more than to LwM2M. How can we connect the right people?
- Since we build on IETF specifications it would be great to have test specifications for specifications.