



# Net Neutrality Measurements: Regulatory Use Case and Problem Statement

IETF#100 maprg

# European net neutrality legislation

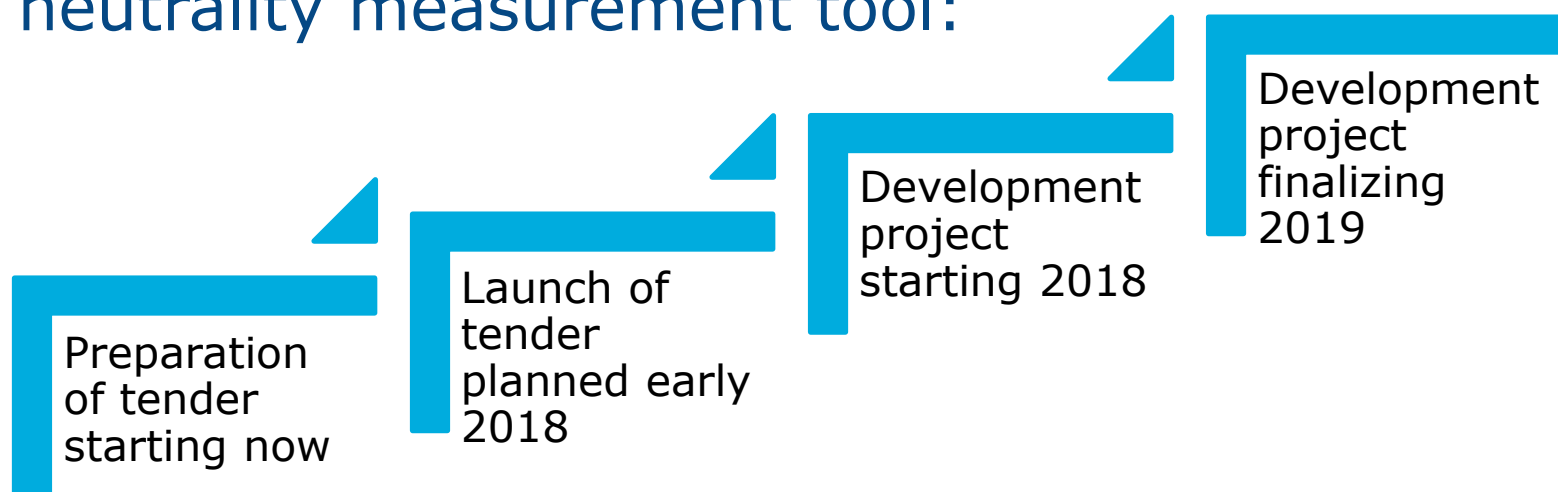
- European open internet regulation also known as [Telecommunications Single Market \(TSM\) Regulation](#)
  - » Net Neutrality obligations came into force 30.4.2016
  - » [BEREC guidelines](#) were given 30.8.2016
- What does it mean for?
  - » end-users: right to use and provide applications
  - » ISPs: shall treat all traffic equally (with few exceptions)
  - » regulators: need to monitor and supervise
- For more details check my [IETF#97 presentation](#)

# Net Neutrality Measurements: Regulatory Use Case and Problem Statement

- ID describes a regulatory use case for net neutrality measurements
  - » **Goal:** to give sufficient details for developing the actual net neutrality measurement metrics
  - » **Describes:** the problem statement regarding monitoring and supervising the net neutrality obligations.
  - » **Use cases:** measuring IAS performance and detecting traffic management practices that impact individual applications
  - » **Also important:** to detect end-user dependent factors that may impact the measurement results
- My draft can be found from:
  - » <https://datatracker.ietf.org/doc/draft-nieminen-ippm-nn-measurements/>

# Developing a net neutrality measurement tool

- BEREC has started the development of a net neutrality measurement tool:



- Tool can be used to measure QoS of IAS subscription (e.g. speed) + some parameters

# The latest BEREC documents

- Net neutrality regulatory assessment methodology
  - » Providing a standardized measurement methodology for Internet access services
  - » Support implementation of the European net neutrality Regulation
  - » Methodology is also used for BEREC net neutrality measurement tool
- Net neutrality measurement tool specification
  - » Measuring Internet access service quality (mobile/fixed)
  - » Assisting in the detection of different potential net neutrality issues
  - » Crowdsourced measurement setup / user-initiated measurements