

# DEVOPS FOR SOFTWARE-DEFINED TELECOM INFRASTRUCTURES

## DRAFT-UNIFY-NFVRG-DEVOPS-03

---

### IETF 94

C. Meirosu – Ericsson

A. Manzalini – Telecom Italia

R. Steinert – SICS

G. Marchetto – Politecnico di Torino

I. Pappafili – OTE

K. Pentikousis – EICT

S. Wright – AT&T

# Motivation and outline

- Discuss principles related to applying DevOps concepts to software-defined infrastructure of telecom networks
- Identify a set of challenges regarding
  - Developing and operation tools
  - Interfaces
  - Protocols
- Major areas addressed
  - Continuous integration and delivery
  - CAP and stability
  - Observability
  - Verification
  - Troubleshooting
  - Measuring DevOps success
  - Programmability of management

# Updates in the -03 version

- Restructured parts of the document and list of authors and contributors
- Briefly reviewed the state of several tools
  - Apache Kafka, RabbitMQ, ZeroMQ
  - Ansible and Puppet
  - Splunk
- Extended the observability challenges

# Next steps

- We believe that the document is ready for adoption by NFVRG
  - comments and feedback received and addressed, more is always welcome of course
- Topics that the authors would like to address
  - further improve the description of the Service Developer role based on recent discussions on the mailing list
  - progress the Continuous Delivery section
  - <your SP DevOps topic here>