# ICN: Evaluation Methodology draft-irtf-icnrg-evaluation-methodology-00

K. Pentikousis (Ed.), B. Ohlman, E. Davies, S. Spirou, G. Boggia, and P. Mahadevan

IETF 88 Vancouver, Canada

#### **Draft Goals**

- ICN experimental and evaluation methodology (tools, metrics) develops alongside ICN architectures
  - Survey currently-available evaluation tools
  - Document the current corpus of performance metrics
- Provide suggestions regarding methodology and metrics
  - Same goal with "scenarios", i.e. equal ground for comparison
  - No established evaluation methodology
  - For example, we do not have real-world deployments to obtain representative traffic traces
- Discuss ICN Security Aspects with respect to system evaluation

### IETF 87: Split and Adopt

ICN Baseline Scenarios July 15, 2013 INTERNET DRAFT Table of Contents Toward ICN Baseline Scenarios . . . . . . . . . . . . . . . . Social Networking Real-time Communication . . . . . . . . . . . . . . Mobile Networking Infrastructure Sharing . . . . . . . . . . . Vehicular Networking . . Multiply Connected Nodes and Economics Energy Efficiency . K. Pentikousis, Ed. Delay- and Disruption-Tolerance . . . . . . . . ended Status: Informational B. Ohlman res: April 24, 2014 Ericsson E. Davies Operation across Multiple Network Paradigms Trinity College Dublin S. Spirou Intracom Telecom ICN Simulators and Testbeds G. Boggia Politecnico di Bari P. Mahadevan October 21, 2013 Information-centric Networking: Evaluation Methodology Choosing Relevant Metrics draft-irtf-icnrg-evaluation-methodology-00 Traffic Metrics Resource Equivalence and Tradeoffs Technology Evolution Assumptions . . . . . is document surveys the evaluation tools currently available to Security Considerations searchers in the information-centric networking (ICN) area and bvides suggestions regarding methodology and metrics. Finally, Authorization, Access Control and Statistics is document sheds some light on the impact of ICN on network curity. Changes to the Network Security Threat Mode:

7. Informative References
Authors' Addresses

3

#### Draft Updates since IETF 87

- Editorial
  - Repositioning the draft after the split, and
  - Consistency checks

#### Next Steps

- The point of the document split was to put more effort on developing the evaluation methodology part
- Consider IPPM metrics for ICN and, if needed, define new metrics suitable for ICN
- We expect to advance the draft in the months till IETF 89, aiming for 2 releases in this period

## Please contribute

### Thank You