51st NMRG Meeting - IETF 104
Session 1

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IRTF follows IETF policy ("Note Well")

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- BCP 9 (Internet Standards Process)
- BCP 25 (Working Group processes)
- BCP 25 (Anti-Harassment Procedures)
- BCP 54 (Code of Conduct)
- BCP 78 (Copyright)
- BCP 79 (Patents, Participation)
- https://www.ietf.org/privacy-policy/ (Privacy Policy)

Volunteers ?!

Minutes taker(s)

please use Etherpad: https://etherpad.ietf.org/p/notes-ietf-104-nmrg

Meetecho / Jabber scribe(s)

Blue Sheets!

Please fill the **Blue Sheets** and circulate them through the room

this is important to measure participation and plan proper room size at future meetings

NMRG @ IETF 104 week

20 years of NMRG !

Session 1 - Intent Based Networking (current session)
follow-up on IBN activity and work plan update

Session 2 – Future of NMRG (Thursday – Afternoon I)
inputs to discussion on future of NMRG

Agenda

1. Introduction

2. Intent Classification

3. IBN – the technology

4. Discussion

- Update to NMRG work plan on IBN
- Deliverables, milestones, criteria for RG adoption

Current work plan
as agreed at IETF100/Singapore

- **How to call stuff**
  - document(s) on terminology/taxonomy
- **How to express/model intent**
  - information model, grammar, languages
- **How to realize Intent Based Systems**
  - "reference" functional architecture, functional blocks/components, mechanisms/techniques, theory of operations/lifecycle
- **Additional work items could also investigate**
  - functions and techniques ; use cases ; what are the challenges and corresponding research items

Work plan

- **Extend/Update with:**
  - Problem statement, scope, design challenges and goals
  - Concepts definition
  - Intent at design and run time, impact of CI/CD(?)
  - Interoperability
  - Continuous measure/validation of intent realization
  - Evaluation, validation, implementation

- **Deliverables, Milestones, Criteria for RG adoption**

- **Progressing the work (RG support)**
  - Regular, dedicated virtual meetings (1 or 2 per month?)
  - Interim meetings: June, TBC ; July-IETF105 ; October, TBC
  - Hackathon…?
  - Mailing list, other tools needed?