

64th NMRG Meeting

IETF 112, Online

Chairs: Laurent Ciavaglia, Jérôme François

Secretaries: Jéferson Campos Nobre, Pedro Martinez-Julia



Note Well – Audio and Video Recordings

- The IRTF routinely makes recordings of online and in-person meetings, including audio, video and photographs, and publishes those recordings online
- If you participate in person and choose not to wear a red “do-not-photograph” lanyard, then you consent to appear in such recordings, and if you speak at a microphone, appear on a panel, or carry out an official duty as a member of IRTF leadership then you consent to appearing in recordings of you at that time
- **If you participate online, and turn on your camera and/or microphone, then you consent to appear in such recordings**

Note Well – Privacy & Code of Conduct

- As a participant in, or attendee to, any IRTF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public
- Personal information that you provide to IRTF will be handled in accordance with the Privacy Policy at <https://www.ietf.org/privacy-policy/>
- As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam (<https://www.ietf.org/contact/ombudsteam/>) if you have questions or concerns about this
- See [RFC 7154](#) (Code of Conduct) and [RFC 7776](#) (Anti-Harassment Procedures), which also apply to IRTF

Goals of the IRTF

The IRTF conducts research; it is not a standards development organization

The Internet Research Task Force (IRTF) focuses on longer term research issues related to the Internet while the parallel organization, the IETF, focuses on shorter term issues of engineering and standards making.

While the IRTF can publish informational or experimental documents in the RFC series, its primary goal is to promote development of research collaboration and teamwork in exploring research issues related to Internet protocols, applications, architecture, and technology.

See “An IRTF Primer for IETF Participants” – [RFC 7418](#)

Online meeting etiquette

- **The session is being recorded.**
- Please keep your audio muted and video off when not presenting/speaking.
- When speaking, please start by stating your name and any affiliation
- **Useful links:**
 - Materials: <https://datatracker.ietf.org/meeting/112/session/nmrg>
 - Notes: <https://codimd.ietf.org/notes-ietf-112-nmrg>
 - Meetecho: <https://meetings.conf.meetecho.com/ietf112/?group=nmrg&short=&item=1>
 - Video recording: <https://www.youtube.com/user/ietf/playlists>

Agenda (UTC)

- 12:00 - 12:15 Introduction and RG status, RG Chairs, 15 min.
- IBN draft status (20 min)
 - 12:15 - 12:25 Network Measurement Intent, Danyang Chen, 5min + 5min Q&A
<https://datatracker.ietf.org/doc/draft-yang-nmrg-network-measurement-intent/>
 - 12:25 - 12:35 Interconnection Intents, Luis Contreras, 5min + 5min Q&A
<https://datatracker.ietf.org/doc/draft-contreras-nmrg-interconnection-intents/>
- Digital twins (60 min)
 - 12:35 - 13:00 Digital Twins for Industrial IoT Networking, Chiara Grasselli, 20min + 5min Q&A
 - 13:00 - 13:15 An Efficient Data collection method for Digital Twin Network, Yanhong Zhu, 10min + 5min Q&A
<https://datatracker.ietf.org/doc/draft-zhu-nmrg-digitaltwin-data-collection/>
 - 13:15 - 13:35 Digital Twin Network: Concepts and Reference Architecture, Cheng Zhou, 10min + 10min Q&A
<https://datatracker.ietf.org/doc/draft-zhou-nmrg-digitaltwin-network-concepts/>
- Other topic (15 min)
 - 13:35 - 13:50 Artificial Intelligence Framework for Network Management, Pedro Martinez-Julia, 10 min + 5min Q&A
<https://www.ietf.org/archive/id/draft-pedro-nmrg-ai-framework-00.txt>
- AOB

Status of RG documents

- **Intent-Based Networking - Concepts and Definitions**

- <https://datatracker.ietf.org/doc/draft-irtf-nmrg-ibn-concepts-definitions/>
- Shepherd (Jérôme François)
- **IRTF chair review (2021-09-21)**
 - Discussion on mailing list
 - Updated draft in preparation

- **Intent-Based Networking - Intent Classification**

- <https://datatracker.ietf.org/doc/draft-irtf-nmrg-ibn-intent-classification/>
- Shepherd (Laurent Ciavaglia)
- **IRTF chair review (2021-09-20)**
 - Discussion on mailing list
 - Updated draft available

Future meetings

Until further notice, the default mode of operation will increasingly rely on:

- (Monthly) Virtual Meetings
- Mailing list
- Collaborative platforms (e.g. Github, Google Docs, etc.)

Summer break + overwhelmed by various remote meetings → no NMRG meeting since July

Activities to be resumed

- Virtual Network Embedding / SFC / slicing...
- AI Research Challenges

Do not hesitate to share your questions, ideas or needs with the groups or chairs !

AoB...?