



# Computing-Aware Traffic Steering (cats)

## IETF 120, Vancouver

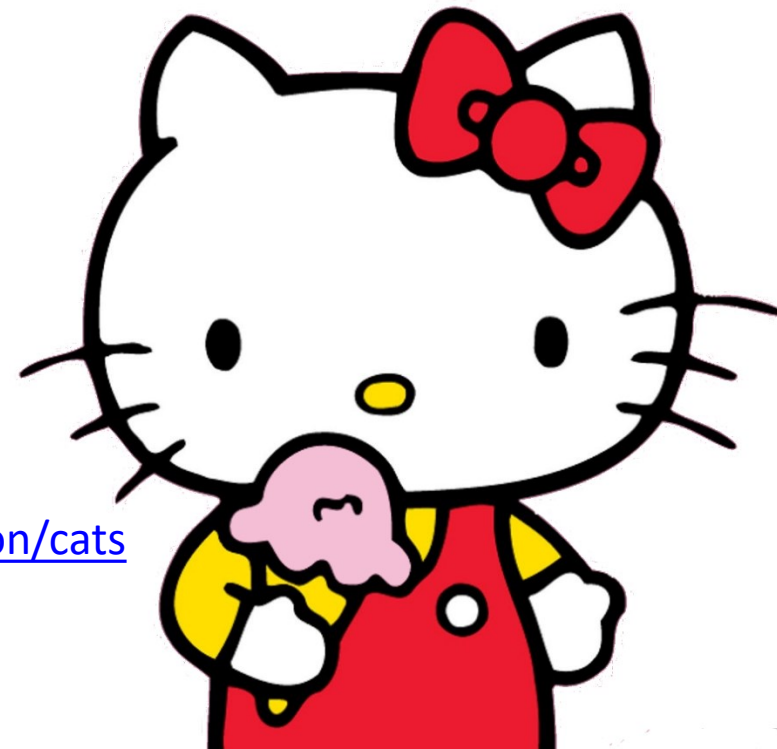
Chairs: Adrian Farrel ([adrian@olddog.co.uk](mailto:adrian@olddog.co.uk)) - onsite  
Peng Liu ([liupengyjy@chinamobile.com](mailto:liupengyjy@chinamobile.com)) - remote

Secretary: Cheng Li ([c.l@huawei.com](mailto:c.l@huawei.com)) - remote

AD: Jim Guichard ([james.n.guichard@futurewei.com](mailto:james.n.guichard@futurewei.com))

WG Information: <https://datatracker.ietf.org/wg/cats/>  
Note taking: <https://notes.ietf.org/notes-ietf-120-cats>  
Online Agenda and Slides: <https://datatracker.ietf.org/meeting/120/session/cats>

**THIS MEETING WILL BE RECORDED**



# CATS in Vancouver



CATS WG - IETF 120, Vancouver – July 2024

# IETF 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.

As a reminder:

- By participating in the IETF, you agree to follow IETF processes and policies.
- If you are aware that any IETF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion.
- As a participant in or attendee to any IETF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public.
- Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.
- 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.

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)

Also see: <http://www.ietf.org/about/note-well.html>

# IETF Conduct Guidelines

- The IESG has asked all chairs to remind their working groups of the need for appropriate behavior. This is described in more detail in BCP 54. In summary:
  1. IETF participants extend respect and courtesy to their colleagues at all times.
  2. IETF participants have impersonal discussions.
  3. IETF participants devise solutions for the global Internet that meet the needs of diverse technical and operational environments.
  4. Individuals are prepared to contribute to the ongoing work of the group.

# Meeting Administrivia

- Meetecho:
  - We are using Meetecho queue control
  - Chat available for use via Meetecho/Zulip
- Note taking:
  - <https://notes.ietf.org/notes-ietf-120-cats>
  - Cheng Li will take minutes, but...
    - Please help with minute taking
    - Please check that your comments are recorded correctly
- Session Materials: <https://datatracker.ietf.org/meeting/120/session/cats>
- Data tracker: <http://datatracker.ietf.org/wg/cats/>
- Zulip: <https://zulip.ietf.org/#narrow/stream/cats>

# Meeting Tips



## In-person participants

- Make sure to sign into the session using the Meetecho (usually the “onsite tool” client) from the agenda
  - <https://meetings.conf.meetecho.com/onsite118/?group=cats&short=&item=1>
- Use Meetecho to join the mic queue
- ***Keep audio and video off at all times***

## Remote participants

- Use of a headset is strongly recommended
- ***Make sure your audio and video are off*** until it is your turn to speak

# Reminder - Deliverables and Milestones

- All drafts are welcome
  - Post them in the Datatracker
  - Discuss them on the list
- Solutions drafts in other working groups
  - All protocol work is fine if it has use cases and motivation
  - Citing CATS as the motivation is premature
- Our initial focus must be on our deliverables and milestones
- Milestones are very clear...

<b>Date</b>	<b>Milestone</b>	<b>Status</b>
<b>Jul 2023</b>	<b>Adopt the CATS Problem Statement, Use Cases, Gap Analysis, and Requirements documents</b>	<b>Done</b>
<b>Jul 2024</b>	<b>Adopt the CATS Framework and Architecture document</b>	<b>Done</b>
<b>Nov 2025</b>	<b>Submit the CATS Framework and Architecture document to the IESG for publication as Informational</b>	

- **Note well:**
  - Only the Framework and Architecture are listed as going for RFC
  - IPR has been disclosed against draft-ietf-cats-framework. Please comment on the list if you have any concerns.

# Agenda 1 of 2

Slot	Start	Duration	Information	Presenter
1	09:30	5 mins	<b>Title:</b> Meeting admin	Chairs
2	09:35	45 mins	<b>Title:</b> CATS Problem Statement, Use Cases, and Requirements	
2a	09:35	15 mins	<b>Title:</b> CATS Use Cases and Trials for CDN and Cloud rendering <b>Draft:</b> <a href="https://datatracker.ietf.org/doc/draft-ietf-cats-usecases-requirements/">https://datatracker.ietf.org/doc/draft-ietf-cats-usecases-requirements/</a>	Kehan Yao (R)
2b	09:50	10 mins	<b>Title:</b> CATS Use Cases and solutions for High-speed Internet of Vehicles <b>Draft:</b> <a href="https://datatracker.ietf.org/doc/draft-ietf-cats-usecases-requirements/">https://datatracker.ietf.org/doc/draft-ietf-cats-usecases-requirements/</a>	Xinxin Yi (O)
2c	10:00	10 mins	<b>Title:</b> CATS Use Cases and solutions for High-speed Internet of Vehicles <b>Draft:</b> <a href="https://datatracker.ietf.org/doc/draft-jeong-cats-its-use-cases/">https://datatracker.ietf.org/doc/draft-jeong-cats-its-use-cases/</a>	Jaehoon Jeong (O)
2d	10:10	10 mins	<b>Title:</b> Problem statements and requirements of Deterministic CATS on the Industrial Internet <b>Draft:</b> <a href="https://datatracker.ietf.org/doc/draft-ftzhs-cats-industrial-requirement/">https://datatracker.ietf.org/doc/draft-ftzhs-cats-industrial-requirement/</a>	Tao Fu (O)
3	10:20	10 mins	<b>Title:</b> CATS Framework	
3a	10:20	10 mins	<b>Title:</b> A Framework for CATS <b>Draft:</b> <a href="https://datatracker.ietf.org/doc/draft-ietf-cats-framework/">https://datatracker.ietf.org/doc/draft-ietf-cats-framework/</a>	Cheng Li (R)
4	10:30	25 mins	<b>Title:</b> Compute Modeling and Metrics	
4a	10:30	10 mins	<b>Title:</b> Joint Exposure of Network and Compute Information for Infrastructure-Aware Service Deployment <b>Draft:</b> <a href="https://datatracker.ietf.org/doc/draft-rcr-opsawg-operational-compute-metrics/">https://datatracker.ietf.org/doc/draft-rcr-opsawg-operational-compute-metrics/</a>	Luis Contreras (O)
4b	10:40	15 mins	<b>Title:</b> CATS Metric Description and Definition <b>Drafts:</b> <a href="https://datatracker.ietf.org/doc/draft-du-cats-computing-modeling-description/">https://datatracker.ietf.org/doc/draft-du-cats-computing-modeling-description/</a> <a href="https://datatracker.ietf.org/doc/draft-ysl-cats-metric-definition/">https://datatracker.ietf.org/doc/draft-ysl-cats-metric-definition/</a>	Kehan Yao (R)



# Agenda 2 of 2

Slot	Start	Duration	Information	Presenter
5	10:55	10 mins	<b>Title:</b> Compute-Aware Traffic Steering for Midhaul Networks <b>Draft:</b> <a href="https://datatracker.ietf.org/doc/draft-lcmw-cats-midhaul/">https://datatracker.ietf.org/doc/draft-lcmw-cats-midhaul/</a>	Luis Contreras (O)
	11:05	20 mins	<b>Title:</b> Flash presentations - Please read my draft	
6	11:05	5 mins	<b>Title:</b> Aggregated Metrics on Egress Node and Corresponding Routing Mechanism <b>Draft:</b> <a href="https://datatracker.ietf.org/doc/draft-du-cats-aggregated-metrics-on-egress/">https://datatracker.ietf.org/doc/draft-du-cats-aggregated-metrics-on-egress/</a>	Zongpeng Du (R)
7	11:10	5 mins	<b>Title:</b> Distribute Service Metric By BGP <b>Draft:</b> <a href="https://datatracker.ietf.org/doc/draft-lin-idr-distribute-service-metric/">https://datatracker.ietf.org/doc/draft-lin-idr-distribute-service-metric/</a>	Changwang Lin (R)
8	11:15	5 mins	<b>Title:</b> Green Challenges in CATS <b>Draft:</b> <a href="https://datatracker.ietf.org/doc/draft-wang-cats-green-challenges/">https://datatracker.ietf.org/doc/draft-wang-cats-green-challenges/</a>	Jing Wang (R)
9	11:20	5 mins	<b>Title:</b> Security Considerations for CATS <b>Draft:</b> <a href="https://datatracker.ietf.org/doc/draft-wang-cats-security-considerations/">https://datatracker.ietf.org/doc/draft-wang-cats-security-considerations/</a>	Cuicui Wang (R)
10	11:25	5 mins	<b>Title:</b> Open Discussion and Next Steps	All Chairs