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Network Telemetry: Dive into Technical Toolkit

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Internet Engineering Task Force
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IETF 127 Meeting Tips

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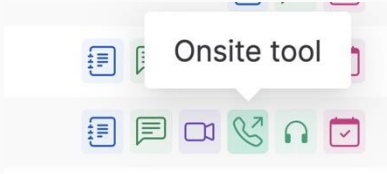
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- Use Meetecho (usually the “Meetecho lite”) client to join the queue, show hands
- *Keep audio and video off if not using the onsite version.*

Remote participants

- Make sure your audio and video are off unless you are chairing or presenting during a session.
- Use of a headset is strongly recommended.

All participants

- State your name each time you begin speaking in the queue



Network Telemetry: Dive into Technical Toolkit

Network telemetry has grown from SNMP polling and sampled flows into a rich ecosystem of streamed, model-driven data. This session traces where we are coming from and dives into today's toolkit: collecting **IPFIX** (RFC 7011) and **BMP** (RFC 7854) data, and integrating **YANG-Push** (RFC 8639/8641) with message brokers. Live demos show how dimensional network data can be pivoted for exploration and queried with natural-language prompts. We close with how this data drives **network anomaly detection** and **incident postmortems**, turning raw telemetry into operational insight.