

Abstraction and Control of Transport Networks (ACTN) BoF

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Purpose and Intended Outcome

- This BoF is a non-WG forming BoF.
- Hear operators' pain points in operating dynamic connectivity in today's multi-domain transport networks.
 - Data Plane, Control/Management Plane, Administration, Vendor islands
- Discuss if there is enough interest and agreement to pursue further.
 - Arch/framework, gap analysis, etc.

Agenda

- Introduction (10 min, 1:10)
- **Multi Tenant VNO** use case (Takuya Miyasaka, KDDI) (15 min, 1:25)
 - <https://datatracker.ietf.org/doc/draft-kumaki-actn-multitenant-vno/>
- **Data Center Operator:** Multi-domain Data Center Interconnect (Luyuan Fang, Microsoft) (15 min, 1:40)
 - <https://datatracker.ietf.org/doc/draft-fang-actn-multidomain-dci/>
- **Transport Network Operators:** On-demand E2E Connectivity Services in Multiple Vendor Domain Transport Networks/Virtual Network Operation for Multiple Domain in a Single Operator Network (Hosong Lee, Korea Telecom, Oscar Gonzalez, Telefonica) (20 min, 2:00)
 - <https://datatracker.ietf.org/doc/draft-kllee-actn-connectivity-multi-vendor-domains/>
 - <https://datatracker.ietf.org/doc/draft-lopez-actn-vno-multidomains/>
- **Mobile Network Operators:** Mobile Backhaul Packet Transport Networks/Mobile Virtual Network Operation for Multiple Domains in a Single Operator Network (Weiqiang Cheng, China Mobile, Rod Hwang, SK Telecom) (20 min, 2:20)
 - <https://datatracker.ietf.org/doc/draft-cheng-actn-ptn-requirements/>
 - <https://datatracker.ietf.org/doc/draft-shin-actn-mvno-multi-domain/>
- **Research:** Toward Ultimate Convergence of All Networks (Dan King, University of Lancaster) (5 min, 2:25)
- Open Discussion (25 min, 2:50)
- Summary & Next Steps (10 min, 3:00)