

Operations and Control Networks (OCN)

Public side meeting at IETF-114

Monday 25th July 2022, 12:30 PM EDT

Informal discussion on different types of control systems and the roles of networks – specifically issues with interconnecting devices over large-scale networks. To set the context, we will have short talks on use-cases, issues & a reference model.

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)

More information at <https://www.ietf.org/about/note-well/>



Logistics

- Meeting will be recorded.
 - Link to recording can be found at Github below.
- 50–60-minute meeting
- Hybrid meeting
 - **In-room:** Philadelphia South
 - **Webex:**
<https://futurewei.my.webex.com/futurewei.my/j.php?MTID=m8482bdb06635d5ef021e6dcc11d1cd29>
- Interaction
 - Questions – Raise your hand in Webex and in-room (let moderator know)
 - This is a short meeting; We will leave some time for follow-up plan towards the end.
- Etherpad (notes, comments)
 - <https://etherpad.wikimedia.org/p/OCN-side-meeting-114-notes>
- Github - One place to get all the Materials and Details
 - <https://github.com/kiranmak/meetings-ocn-ietf-114>

Agenda

| Time | Topic | Presenter | About the Presenters |
|-----------------|--|--|---|
| 12:30 | Note Well + Introduction (5min) [PPT] | Lijun Dong Futurewei | Lijun has been working for Futurewei since 2015. She has one published RFC in IRTF ICNRG. She is one of the voting members of ComSoc Industry Communities Board (2022-2023). She was one of the board members of the WOCC conference 2017-2018. |
| 12:35 | Factory Automation (5min) [PPT] [I.D.] | Cedric Westphal Futurewei <i>Presenting remote</i> | Cedric has been working at Futurewei since 2011 and attended his first IETF in 1999. He created a Special Interest Group in IEEE ComSoc on the topic of Industrial Networks and just chaired the 2nd workshop on Future Industrial Network Protocols earlier in July. |
| 12:40 | Remote driving (5min) [PPT] [I.D.] | Jungha Hong ETRI <i>Presenting remote</i> | Jungha Hong has been working as a senior researcher at ETRI in Korea since 2010. She has been attending IETF since 2014 and recently published 2 RFCs in IRTF ICNRG. She also participates in ISO/IEC JTC 1 and ITU-T. |
| 12:45 | OCN Problem Statement (5min) [PPT] [I.D.] | Tooba Faisal King's College <i>Presenting remote</i> | Tooba is PhD student at King's College London and completing her PhD in Telecommunications. She has been working on blockchain since 2016; and as a consultant for several blockchain start-ups. She is currently King's delegate in ETSI ISG for Permissioned Distributed Ledgers. |
| 12:50 | OCN Reference Model + Taxonomy (5min) [PPT] [I.D.] | Kiran Makhijani Futurewei | Kiran works with Futurewei and has worked with different SDO in next-gen network standardization activities. Her first IETF was in Chicago. She has been working on scenario solutions and design evolution of Industrial networks from past year. |
| 12:55- 13:20 | Q & A, Open Discussion | | |

Discussion

1. Open questions and feedback for presenters.
2. How do we use IETF IP network technology to work for the Control systems and OT?
3. Is there an interest to develop OCN for provider network across the multi-domain or remain within closed domains?
4. Candidate landing spots – IOTOPS or INTAREA?
5. Are you interested in OCN scoping, standardization activity?
6. Mailing list (create new or reuse above landing spots)?