#### APN: Application-aware Networking

Chairs: Zhenbin Li, Daniel King

12:30-14:00 UTC, Thursday, 2020-07-30

**Tentative Agenda**

* Introduction & Agenda Bashing (**5** mins)
* Attempts in IETF History (**15** mins)
  + What attempts (SPUD and PLUS BoFs)? What lessons learned?
* Requirements on Application-awareness in Networks (**20** mins, 5 mins each)
  + Operators present their use cases to make clear that they have the Requirements on Application-awareness in their Networks
  + Bell Canada – Service/Application aware
  + Telefonica – CDN
  + China Mobile – MEC
  + China Unicom – Game Acceleration
* APN Framework (**5** mins)
  + Introduce APN Framework and the available Demo, Hackathon, INFOCOM, etc.
* Acquisition, Encapsulation and Conveying of Application-related Information (**30** mins)
  + Network Tokens
  + FAST
  + APN6
* Discussions & Clarifications – Collecting views from the IETF community (**10** mins)
  + Whether it will bring privacy issue? If yes, how to overcome?
  + Whether it will bring security issue? If yes, how to overcome?
* Conclusion – the way forward. (**5** mins)

Links to the mailing list, draft charter if any, relevant Internet-Drafts, etc.

* Mailing List: - None assigned as yet
* Relevant drafts and relevant materials:
* Problem statement & Use cases:
  + ​<https://tools.ietf.org/html/draft-li-apn-problem-statement-usecases-00>
  + <https://tools.ietf.org/html/draft-liu-apn-edge-usecase-00>
  + <https://tools.ietf.org/html/draft-zhang-apn-acceleration-usecase-00>
* Framework
  + <https://tools.ietf.org/html/draft-li-apn-framework-00>
* Requirements on Application-awareness in Networks
  + <https://tools.ietf.org/html/draft-yiakoumis-network-tokens-01>
  + <https://tools.ietf.org/html/draft-herbert-fast-04>
  + <https://tools.ietf.org/html/draft-li-6man-app-aware-ipv6-network-00>
* APN Community including Information about the APN6 Side meeting @IETF105
  + <https://github.com/APN-Community>
  + <https://github.com/APN-Community/IETF105-Side-Meeting-APN6>