ieSg

Steering of cross-WG and cross-Area work
What is the problem space?

• IESG is a document processing center (mostly).
• Broader scope work planning happens opportunistically.
• Which entity would coordinate cross-WG and cross-Area mid-term work?
  – 0.5 year: WG
  – 1 – 3 years: [ ]
  – 5+ years: IAB
System design focus

- IETF works best on components.
- Field requires systems.
- IETF components do not always match each other well.
- There are components that are just not used.
- There are areas that got ignored or abandoned by IETF (SDN control plane as an example).
Opensource approach

• Take a system level problem.
• Take existing components.
• Write missing code and force-match existing components and new code.
• This tends to work as a solution of a specific system level problem.
• It typically does not work for a longer term problems.
Other SDOs

• BBF works on a series of documents that describe systems view. They take IETF components and try to bind them together to system level solutions.
• BBF view of the world is not necessary the same as IETF view of the world.
• NOGs have informal sets of documents focusing on operational aspects. They do not have expertise to work on system level design aspects (although they would benefit from such materials).
“Top-down" or “bottom-up” approach?

• “Top-down”: working from a high-level system requirements, mapping system view into components and then working on individual components in specific WG's. System level coordination work is needed.

• “Bottom-up”: work on individual components and coordinate the interworking of the components to build a system. Component level coordination is needed.

• Top-down approach is not what IETF historically has been active in.
Where to do the work

• Should some or all of this coordination and requirements work be located in another (SDO) body?

• Should Opensource lead the way of requirements and implementations?
  - Implementations – likely yes. Requirements – likely not.

• How to get the requirements and scopes of system level work into the IETF?
  - Area-WGs developing the requirements for individual WGs?
An example

Secure Cloud Access

• Which perspective – user or provider?
• RTG, INT, SEC, OPS components.
• Fragments of the components do exist today.
• Networks are not the same – they do similar things but are not built in the same way.
Discussion

• Is this a problem?
• Do we care that this is a problem?
• Do we understand the details of the problem?
• Is IETF the right place for addressing this problem?
• What is missing in the current setup of processes and workflows?
• How do we address it?