

Title: The Requirements for the Internet and the Internet Protocol in 2030

Abstract:

After analyzing the issues in the current IP networks in the last Network 2030 FG workshop, we are try to approach the 2030 Internet in another way: the predictable applications and scenarios in 2030. We study several important emerging applications that would change the human life largely: the holograph communication, space network and integrating with the terrestrial Internet, every object/entities connects to the Internet, secure communication and trustable network infrastructure. These use cases raise the new requirements for the Internet Protocols, for which research and standardization are still ongoing works