

Proposal for a session at the Future Internet Assembly

Subject: Media Driven Networks
Owner: Content Working Group
Scope: This BO session will focus on discussing "Which layers should be content aware?" and "Which network layers, if in the future Internet layers would still exist, should get more intelligence?" Several approaches are opened at this moment: <ul style="list-style-type: none">• Intelligent routing: core vs edge routers. Some experts advocate that routers are not touched at all vs routers that make routing decisions based on content characteristics.• The role of peer-to-peer (or fully distributed) networking paradigm for content handling in the Future Internet.• The aspects of native (distributed) searching capabilities embedded in the network and performed in real time.• The issues of seamless end-to-end multi-media communications across a complex combination of network constituents such as personal area networks, body area networks, home networks, fixed access networks, mobile access networks, metro networks and core networks.• The aspects related to new content codification and adaptation to facilitate content capabilities embedded into the networks.• The issues related to virtualization for overlay networks.• In terms of access to content, one of the constraints of the current model is the necessity to couple time and space with communication in order to facilitate content access.
Initiator domain : Content Working Group
Priority from the originator domain : 1
Duration of the parallel session: 3 hours
Other domains required to participate and how : Networks, Services
Some possible endorsement/support from other domains: Security