Broadband Forum activities in Hybrid Access

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TR-348 Hybrid Access Broadband Network Architecture

› Recently published as a public TR

   – https://www.broadband-forum.org/technical/download/TR-348.pdf

› Focus is on a "converged operator" who offers both wireless and wireline services in a given served area

› Covers a lot of preliminary ground

   – Use cases & motivations

   – Terminology

   – Potential approaches

   – Basic architecture

      › Single ended and double ended (single ended is not going forward)

   – Requirements and concerns

› It is basically a framework document

WT-378 Hybrid Access Nodal Requirements

› Agreement is to document 3 approaches

 – MPTCP based (interest in mptcp plain mode draft)

 – L3 overlay tunnel based (interest in draft-zhang) and MIP/PMIP

 – Network-based tunnels (interest in draft-muley)

› BBF WT focus will be on deployment and operational issues supporting deployment of any of these 3 approaches

 – Hybrid Access Policy → specify a common model (where possible)

 – Hybrid Access path performance measurement

 – Addressing issues

 – Deployment scenarios, including variations for different IPv6 transition scenarios (e.g. where NAT is deployed in fixed and mobile networks)

› Tentative completion Q4/2017

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