



IEEE 802.21 MEDIA INDEPENDENT HANDOVER

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• Title: Call for Interest

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• Abstract: 802.21 is developing media independent handover services standards including support for 802.16. This is a call for interest for participation in developing the base standard and the 802.16 specific portion of the standard.





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- Call For Proposals issued September 28, 2004
- Intent to Propose deadline October 10, 2004
- Initial submissions deadline November 8, 2004
- Initial presentations completed
- Harmonization beginning
- Draft text scheduled for May 2005





Provide for these scenarios:

- Between 802.xx and 802.yy
 - 802.3
 - 802.11
 - 802.15
 - 802.16
- Between 802.xx and Cellular
 - 3GPP standards
 - 3GPP2 standards
- Between 802.11 ESSes





MIH facilitates and accelerates:

- Session Continuity at the IP layer
 - Adaptation to new link at layer two
 - Address continuity at layer three

Service Continuity at the Application layer(s)





Considers handover aspects including:

- Quality of Service (QoS)
- Network Discovery
- Information Discovery (Network Selection)
- Security
- Some link functions incl. power management
- Note: handover policy not defined or limited





Aspects addressed across three work items:

- Media Independent Handover (MIH) Model
- Event/Trigger service model
- Information Service





Media Independent Handover (MIH) Model

- Will define as layer or function (TBD)
- How MIH services will fit with existing 802 interfaces
- Supports both wired and wireless





Event/Trigger service model:

- Local Triggers
 - From/To MIH function/layer
- Peer-to-peer or Remote Triggers
 - Across access interfaces as MIH messages
 - Across network elements
- Several modes of transport
 - Media specific transport





Information Service:

- Link access parameters
- Security mechanisms
- Neighbor maps
- Location
- Provider and other Access information
- Cost of link





Call for Interest:

Provide .16 expert input during harmonization process.

Participants needed to create 802.16 specific portion of MIH standard.

THANK YOU!