Liaison Report from 802.21

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Purpose:
IEEE802.21 report to IEEE802.16

802.21 Update

- Session #8 held in Cairns, Queensland, Australia
- Two proposals were finally harmonized to a single proposal
- Single harmonized proposal was presented
- Attendance roll call for Quorum Determination
  - 30 voting members were present (57 voting members in 802.21)
- 802.21 WG accepted the first initial WG draft by voting

802.21 Draft Table of Contents

- Overview of Spec
  - Scope, Purpose, Assumptions
- References
- Definitions
- Abbreviations and Acronyms
- General Architecture
  - MIH Reference Architecture
  - MIH Function Services
  - MIH Reference Models (802.3, 802.11, 802.16, 3GPP, 3GPP2)
  - Service Access Points (SAPs)
- MIH Function Services
  - MIES (Event Service), MICS (Command Service), MIIS (Information Service)
- MIH SAPs and Primitives
- Media Independent Handover Protocol
- Appendix

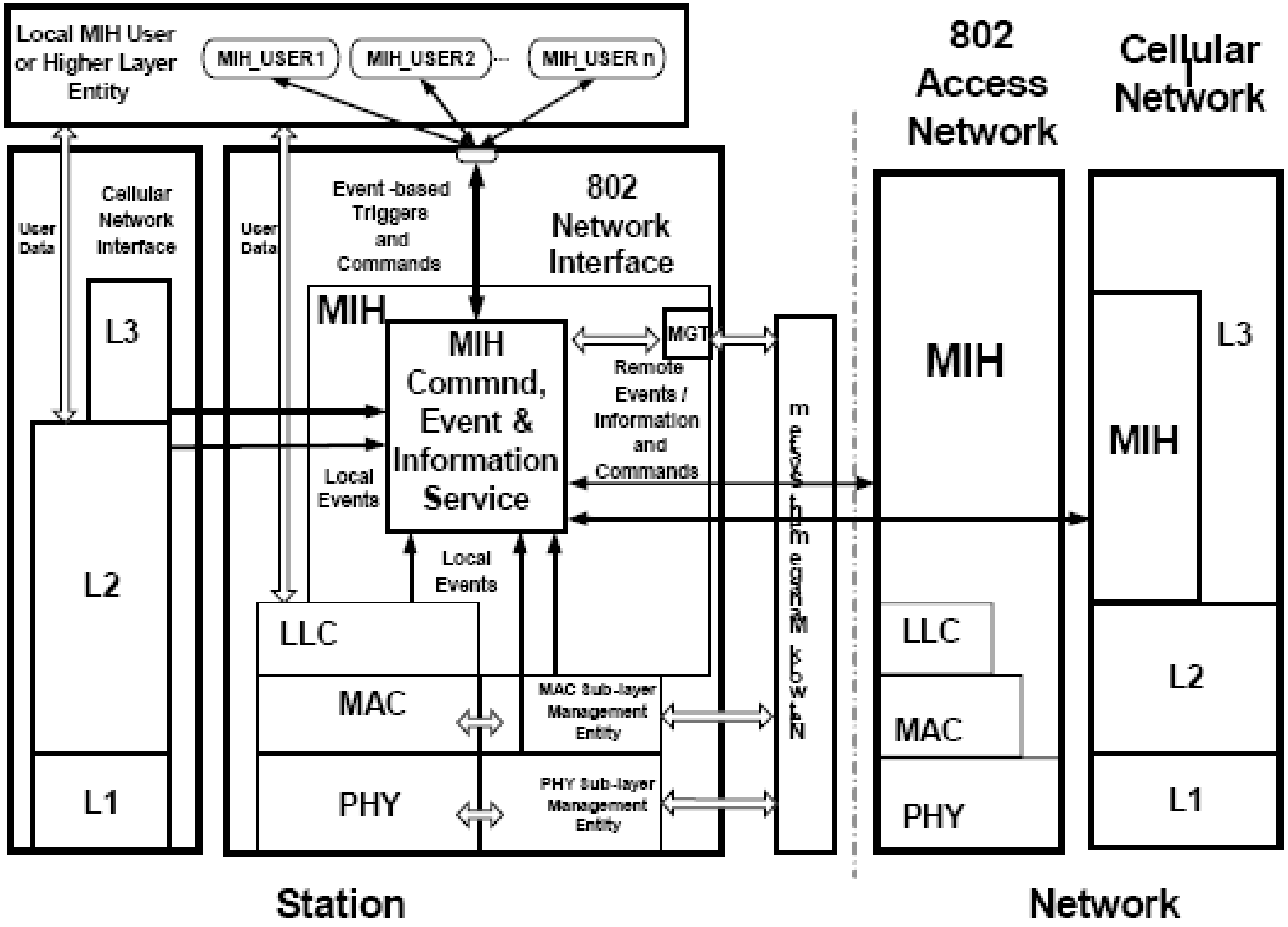
MIH Function Key Services

- Media Independent Event Service
  - Information from the link layer to the higher layers
  - Link Events, MIH Events
  - Local Events, Remote Events
- Media Independent Command Service
  - From higher layers to the lower layers
  - Manage/control link status for optimal performance
  - Link Commands, MIH Commands
  - Local Commands, Remote Commands
- Media Independent Information Service
  - Homogeneous/Heterogeneous Network Information
  - Information Elements for intelligent handover decisions of handover module

MIH Protocol

- MIH Message format should be defined for MIH peer to peer communication
- MIH Protocol
  - MIH capability discovery
    - Media Specific Broadcast message
      - E.g., Beacon in IEEE802.11, DL-MAP in IEEE802.16
    - On demand MIH capability discovery
      - Using MIH_Capability_Discover.request/response
  - MIH remote registration
    - In order to receive MIES from the remote MIH entity
  - MIH message exchange
    - L3 or L2 transport

MIH Reference Model



MIH Reference Model

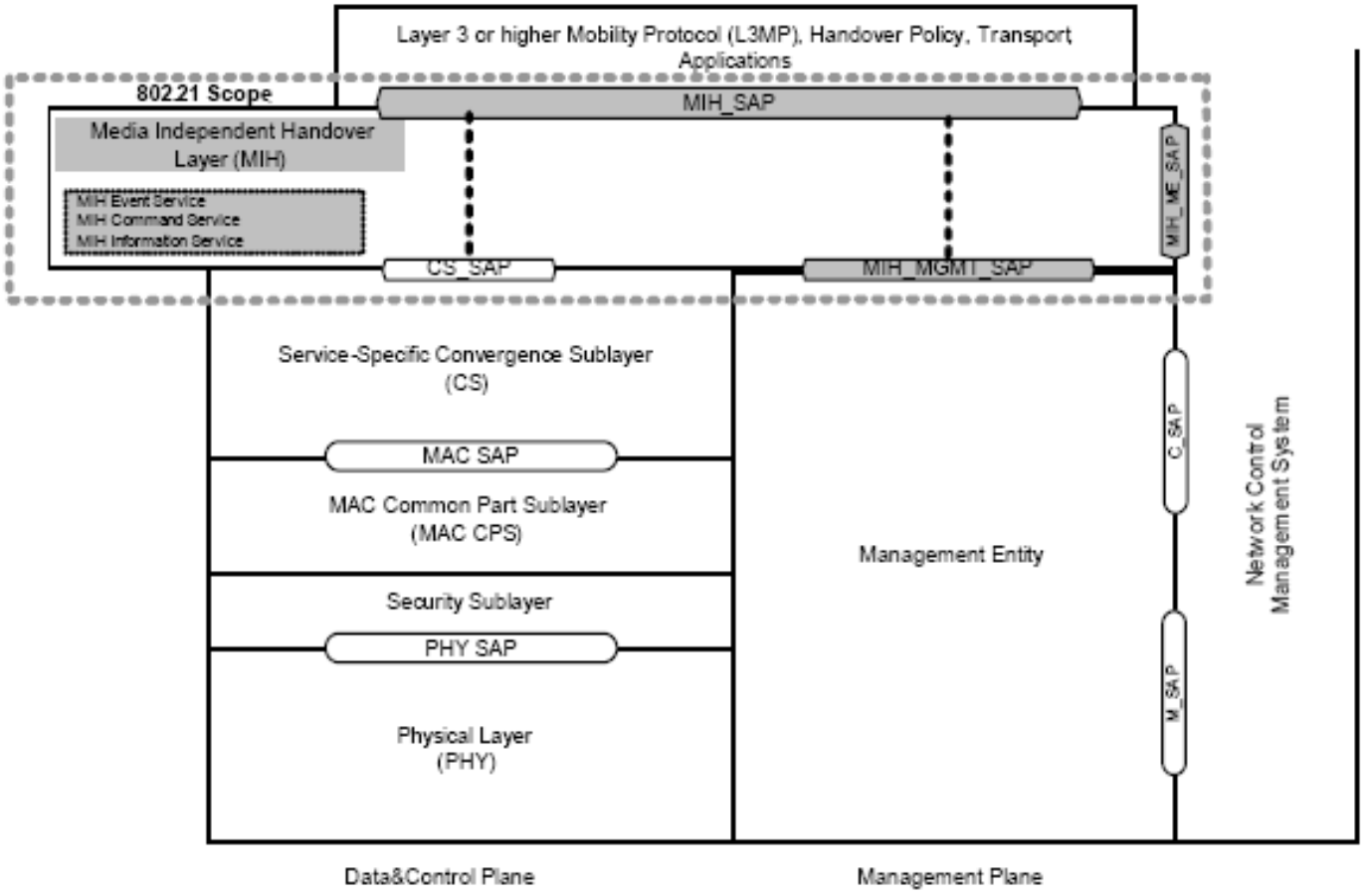


Figure 6—MIH Reference Model for 802.16