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Title:

Very High Level Consolidation Recommendations

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Purpose:

For the 802.16 MAC and PHY tasks groups in consideration of consolidating MAC and PHY proposals.

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Super-Simple View from 30K+ Feet: Requirements that Lead to Features

- Bandwidth Spectrum Efficiency
  - Adaptive modulation (shared channels)
  - Reduce packet headers
- Cost: Base and Subscriber
  - H-FDD, TDD, Native support for TDM
- Flexibility for geographic, LOS, regulatory
  - TDD, ARQ, Channel widths

Time-to-Market Issues

- Optional features: Choose wisely
  - Optional ATM, ARQ, Native TDM, Adaptive mod.?
- Leave "hooks" for future updates
  - Better FEC, New modulation, MAC that is PHY-independent
- Allow for compatible field upgrades