RESG Draft Objectives 11/17/04

- Auto-configuration of MAC/PHY e.g., auto-negotiation, Auto MDI-X
- A mechanism to request/grant/assign resources and the default rule(s) for managing the resources (e.g., 802.3ah MPCP)

- Support both synchronous and best-effort traffic simultaneously, with some bandwidth reserved for best-effort traffic.

- Isochronous traffic only supported over 100Mb or greater full-duplex
- Isochronous traffic is not disrupted when any station/session is added or removed from the network

- Bounded maximum delay isochronous traffic (2ms end-to-end through network; 250us maximum through 1 hop; values to be validated in TF)
- Low jitter and approaching zero wander
- Network provides "house" clock for application synchronization within 5us.

- Based on existing 802.3 PHY(s)
- Supports IEEE 802.3 Power Over Ethernet

Adopted by RESG straw poll November 17, 2004 (4:27pm)

Y: 25   N: 0   A: 4

- ~~Isochronous bridging to 802.11~~
- ~~Isochronous bridging to IEEE1394~~
- ~~Supports 802.1q traffic (isochronous)~~
- ~~No isochronous frames dropped, bandwidth is reserved~~
- ~~The default policy is first-come, first-served by request~~
- ~~Network will automatically reclaim allocated but unused resources~~
- ~~Support arbitrary topologies within reasonable limits (802.1D)~~

NOTE: Above items with ~~strikethrough~~ are deemed desirable, but are out of scope for 802.3.