

RESG Draft Objectives 10/1/04

- Plug and Play (No user setup required, i.e. Auto MDI-X, auto-config)
- A mechanism to request/grant/assign resources and the default rule(s) for managing the resources
- The default policy is first-come, first-served by request
- Network will automatically reclaim allocated but unused resources
- Support arbitrary topologies within reasonable limits (we will define what this means)

- Large aggregate bandwidth (greater than or equal to 1G)
- At least 75% of aggregate bandwidth available for isochronous traffic
- At least 10% of aggregate bandwidth is reserved for best-effort traffic
- No packet loss in isochronous mode, bandwidth is reserved
- Isochronous traffic only supported over 100Mb or greater full-duplex
- Isochronous traffic is not disrupted when any station is removed from the network
- Isochronous traffic is not disrupted when a station or session is added to the network

- Low delay (500uS maximum through 1 hop)
- Low jitter and zero wander
- Network provides “house” clock
- Isochronous bridging to 802.11
- Isochronous bridging to IEEE1394
- Supports 802.1q traffic (isochronous)

- No new PHY(s)
- Compatible IEEE 802.3af
- Low cost

Adopted by RESG vote October 1, 2004, 09:15