

# P1394b upstarts - Jan 98

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- Reviewed port types and usage models
  - make sure that the start-up mechanism meets the requirements
  - make sure that the start-up mechanism is not over complicated by perceived but not real requirements
  
- Came back to reaffirm the need for a sub-PHY
  - only way of providing a simple user model which covers P1394a etc
  - sub-PHY "knows" the max speed of the attached medium
  
- Discussed permitted speed ranges
  - do we need to support "holes" in the speed range?
  - speed range is related to the connector being used
  
- For interoperability, decided that we should define a "lowest common denominator" beta-mode speed for each connector, in order to guarantee interoperability when that connector is used
  - short-haul elec/6-pin 1394 elec connector                      S800
  - UTP/RJ45    S100
  - MMF (50 micrometre)/LC    S800
  - POF / ??    S100
  
- If PHY supports higher speeds, then it supports all intermediate speeds