

# — Port task group (formerly “standard protocol”)

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# — Mode of operation

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- primarily email
- face-to-face when possible (1394b meetings)
- contributions solicited:
  - addressing open issues
  - text for draft
- once agreement is reached, generate proposed text for draft and publish on 1394B web site & reflector.

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# — Scope includes:

- Define handling of arbitration and data signals through beta mode ports i.e. 'normal operation'.
- Equivalent to following 1394a functions:
  - tx\_bit
  - start\_tx\_packet
  - stop\_tx\_packet
  - decode\_bit
  - rx\_bit
  - start\_rx\_packet
  - stop\_rx\_packet
  - + functions to translate arbitration signals to 10-bit control words.
- Define handling of errors in received signals
  - notification of errored packets
  - exit 'normal operation' to Start-up
- Generate text, state machines, C-code, timing parameters.

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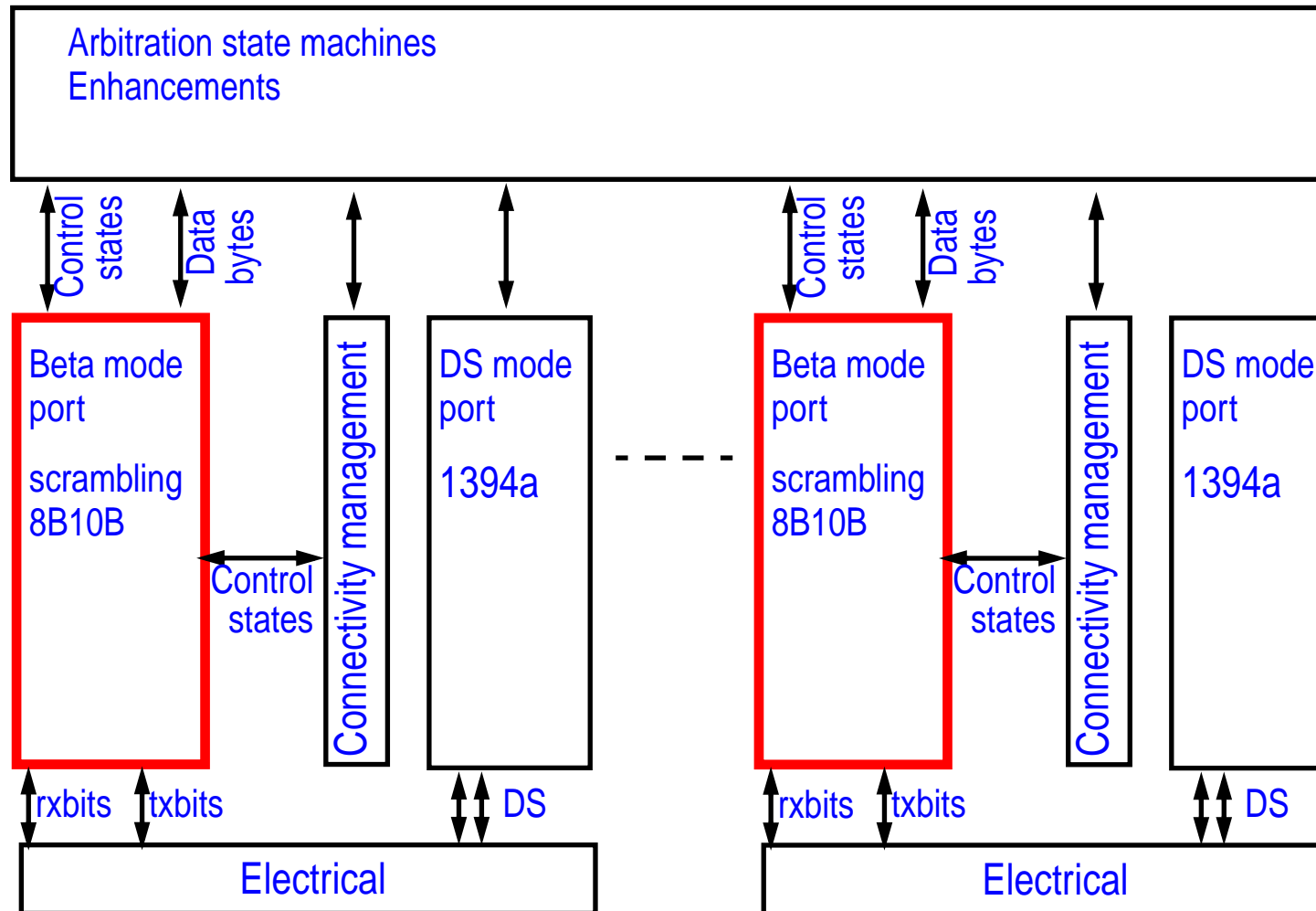
# — Scope does not include:

- Tree ID (root contention resolution), self ID, normal arbitration, arbitration enhancements.
- Start up, re-training.
- DS-mode operation.
- Electrical parameters.

## Proposed Interfaces:

- Enhancements task group
  - *Port exchanges data bytes, control states (e.g. 'IDLE', 'TX\_REQUEST') and 'speed' values with Arbitration state machines.*
- Connectivity management task group
  - *Port exchanges control states (Table 7-1, Draft 0.05) with Connectivity Management.*
- Standard electrical task group
  - *Port exchanges tx and rx serial bitstream with electrical interface.*

# Proposed Model



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# Issues

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- Speed signaling
  - proposal on web site - do we allow for revision of S200 to S400 ?
  
- Error reporting
  - how do errors detected during decoding get passed to Link layer for packet to be ignored?
  - how do errors detected during decoding get indicated on forwarded packet?
  
- Error handling
  - when do we abort normal operation and retrain the link? (input coming based on ESCON)