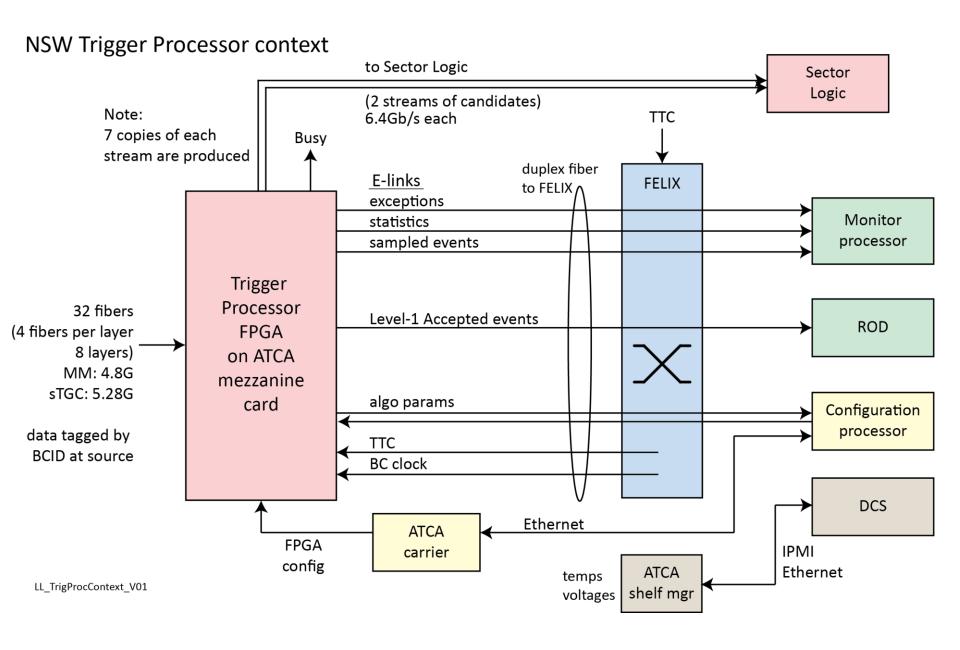
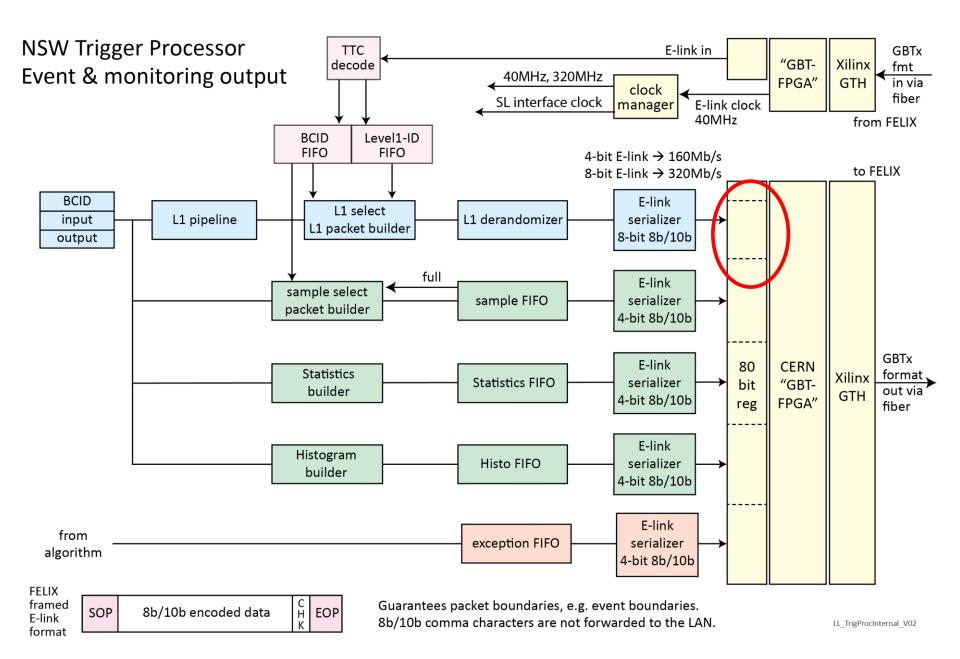
Ancillary firmware: division between mezz and carrier

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Routing of logical data streams

- For simplicity, all the IO streams (except the found segments) are transferred via E-links on a single GBT link connected to FELIX.
 - The GBTx ASIC is emulated by the CERN GBT-FPGA firmware and the Xilinx GTH serializer/deserializer.
- FELIX then routes the various logical data streams to the appropriate network end-points.
- Interfacing the streams to the GBT protocol as E-links is extremely simple, much simpler than Ethernet TCP-IP.
- FELIX then translates to standard Ethernet to allow communicating with processes on PCs.

Division between mezz and carrier

