

Common Merger Module Status

November 2000

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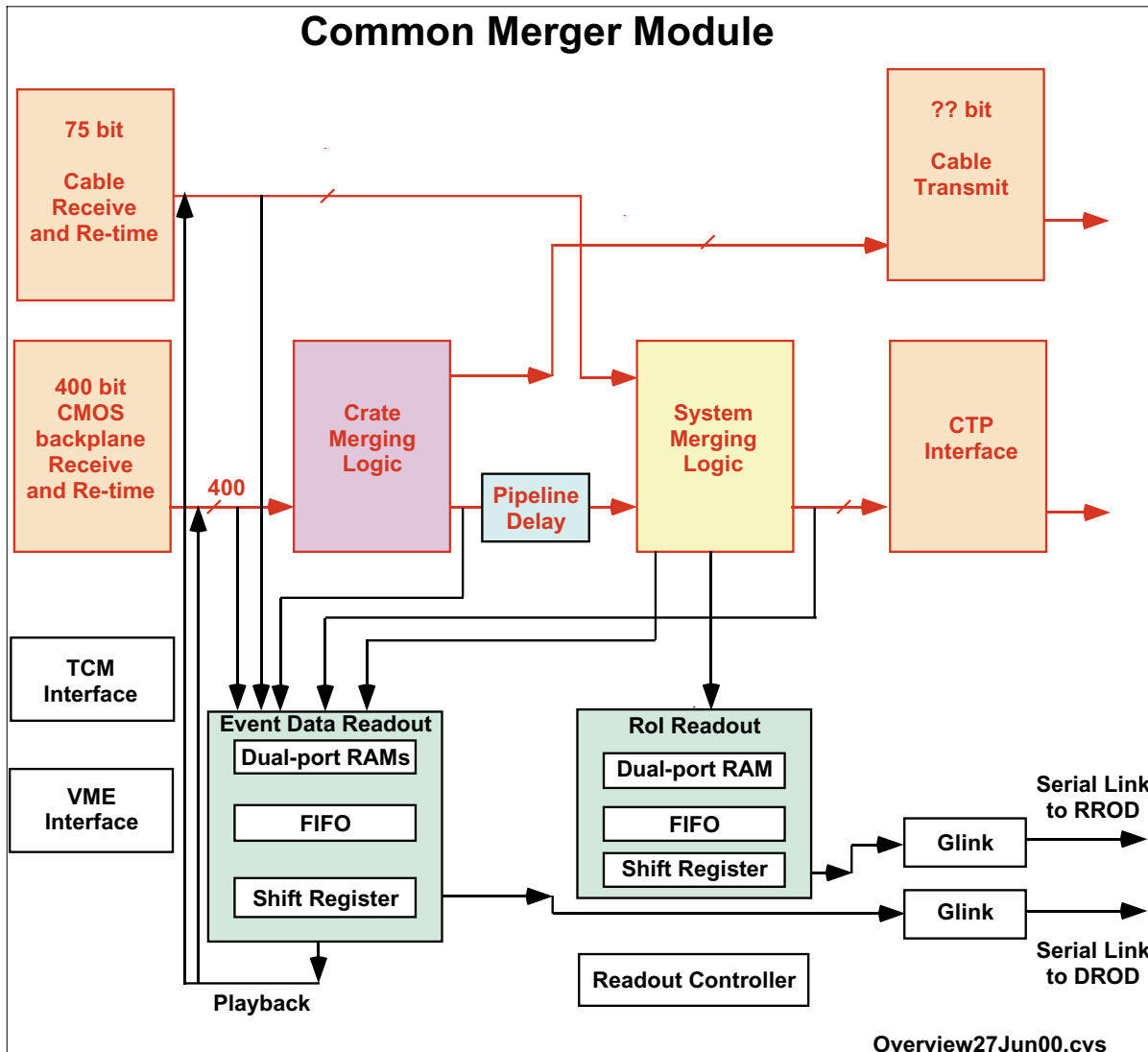
Algorithm Details

- **No change to Cluster summing**
- **No change to Jet summing**
- **Jet- E_T summation at system level was previously done with 14-bit precision to 1 GeV resolution. Now uses 6+2 bit compressed scale.**
- **Energy summing - subsums were previously sent from CMM to CMM as 14-bit + sign + parity. Now sent as 6+2 bits + sign + parity. This reduces input cable links from 47 to 29 pairs at the final summing CMM.**
- **In the system energy summing CMM, summed energies previously entered LUTs in 14-bit precision with 1 GeV resolution. Now 6+2 bits.**

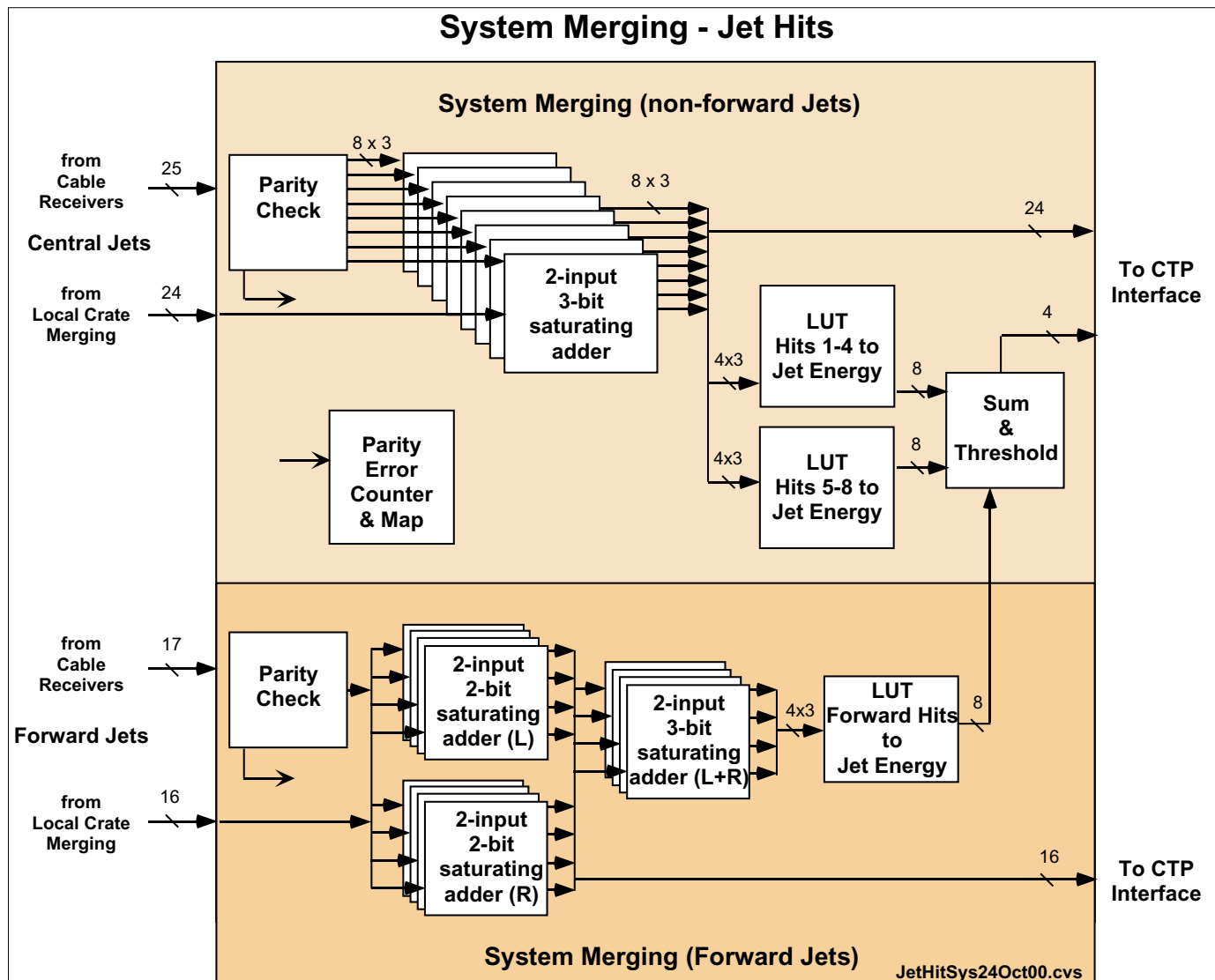
Development

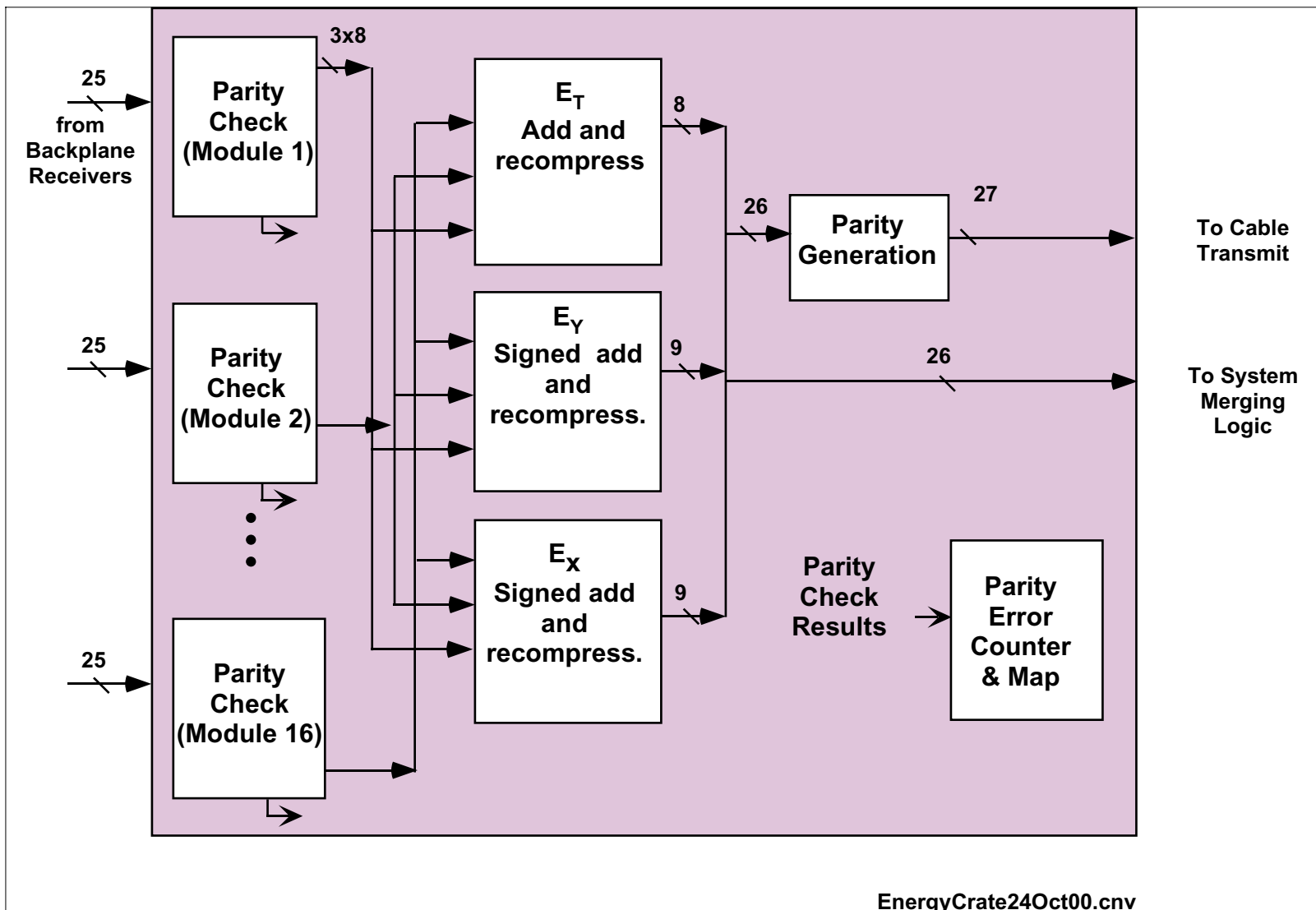
- **Draft specification 0.1h produced May 2000**
- **First Engineering reading (I Brawn)**
- **Revised draft 2.0a incorporating many clarifications produced October 2000**
- **Draft now on Modules web page.**

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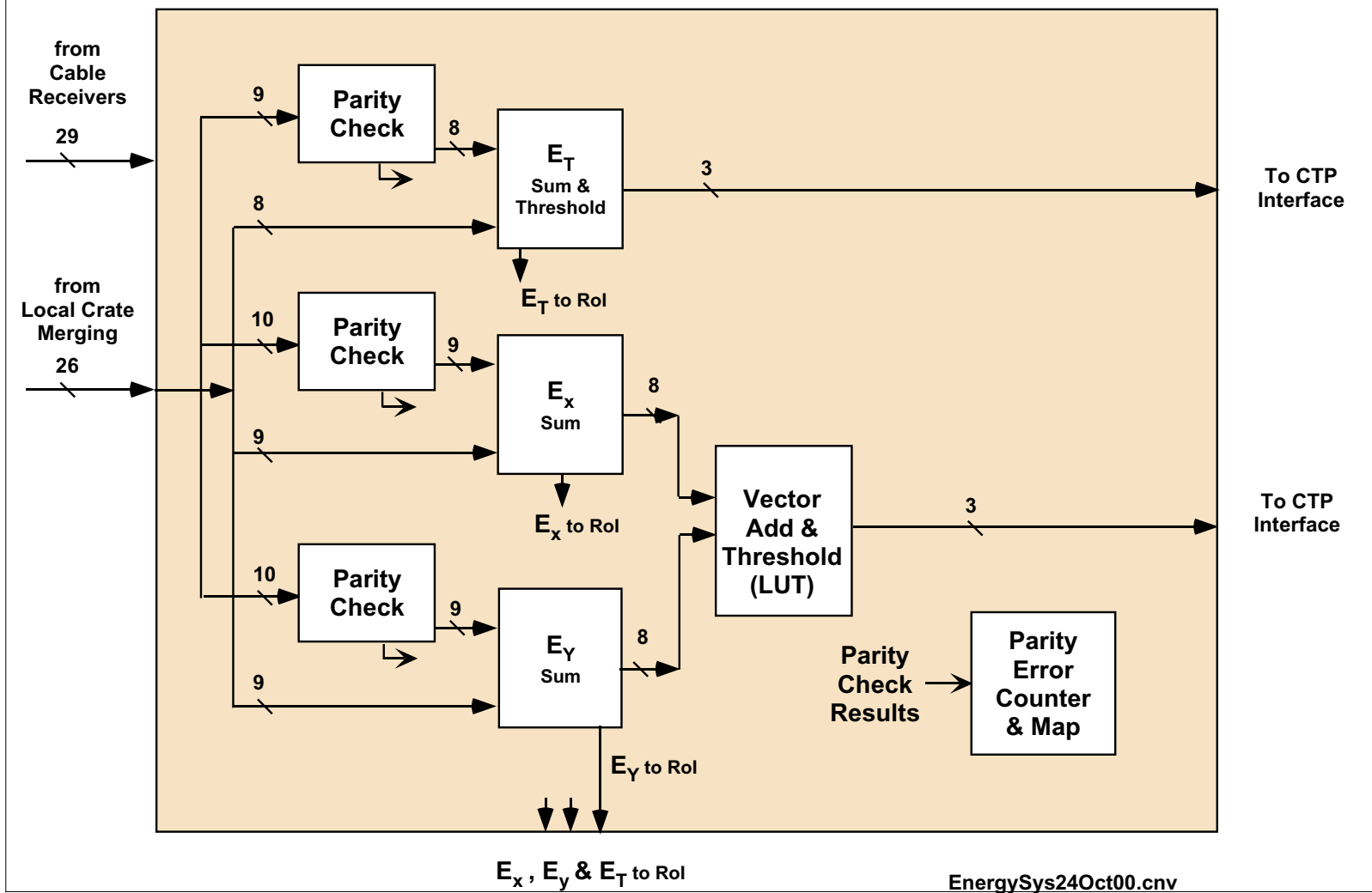


System Merging - Jet Hits





System Merging - Energies



E_x, E_y & E_T to Rol

EnergySys24Oct00.cnv