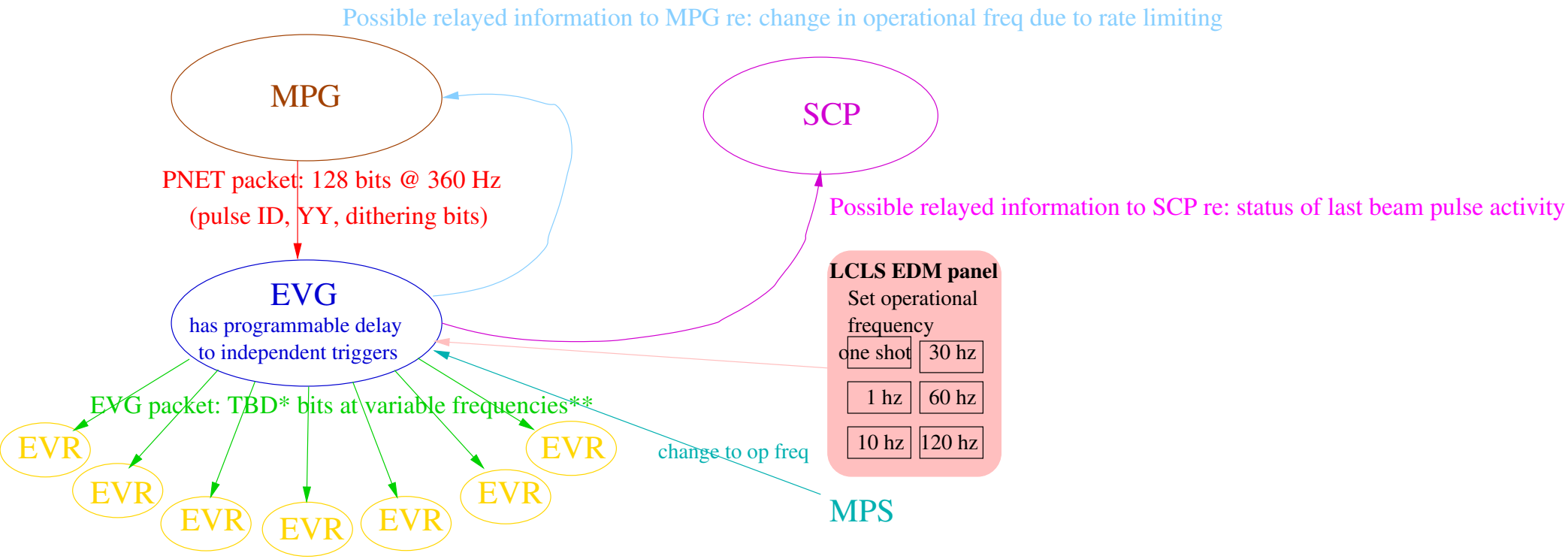
LCLS Controls Architecture discussion on the future of the timing system. 23 Nov 2004



*TBD bit is at most = 128 bits + EPICS timestamp + #n bits for status

and at the least = subset of relevant PNET bits + EPICS timestamp + #n bits for status

**Frequencies are: one shot
1 Hz
10 Hz
30 Hz
60 Hz
120 Hz

SCENARIOS (here's a start)

- pulse trains. Four 30 Hz beams going to different locations
- reflecting cavity
- pulse stealing : take a one shot image with a profile monitor and grab simultaneous BPM data down the line
- independent operating frequencies between laser, LLRF and e–beam