

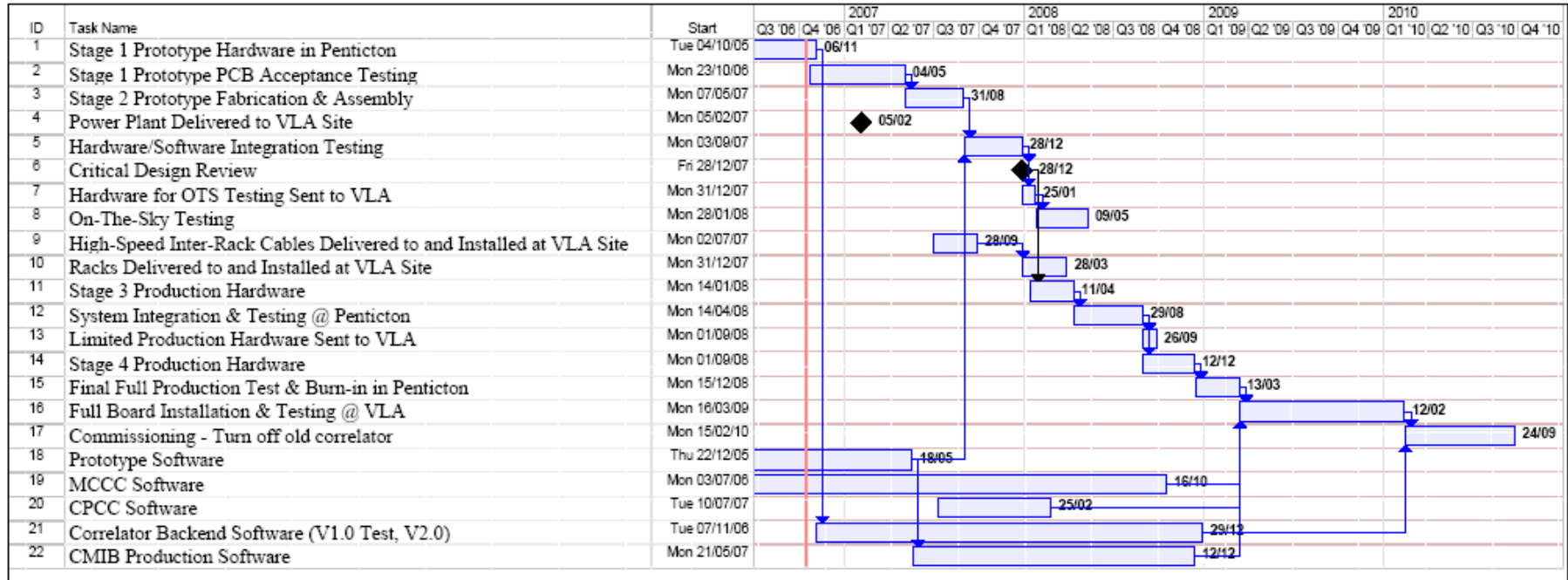
Production schedule scenarios to speed delivery

B. Carlson



Outline

- Review of long-term schedule...current production plan.
- Expedited/alternate production plan...conditions under which this might work.



Expedited production plan

- Will **only** work if 1st prototypes are successful and no major changes required (“Stage 2” is a built-in re-spin).
- Requires that Correlator Chip works first time...no re-spin.
 - Scan tests of 1st few prototypes indicate ~90% yield...this and exhaustive functional as well as gate-level sim adds confidence that re-spin may not be required.
 - Must be highest priority for testing so that we can get production quantity ASAP.

Expedited production plan

- Issue one production work order so that there is only one component purchasing cycle.
 - Each purchase cycle is fraught with delays due to component availability problems. One cycle reduces these uncertainties.
- Request production build in two stages:
 - NPI. Get ~16 (more? More==more risk) of each type built and tested.
 - Meets prototype correlator requirement and in-house system integration+test requirements.
 - Full production order for the remainder of the boards.

Expedited production plan

- Possible expedited (best) schedule:
 - Corr Chip testing complete January 15th; tests are completely successful. Production chips available May 15th (Contract: 12 wks ARO; allow 16 wks). Require 2 more months of in-house ESS testing before ready for production **July 15th 2007**.
 - BB + SB testing complete by April 30th 2007 (6 mo test time...could be faster or slower).
 - **CDR** then issue production work order by May 15th 2007 with NPI and full production staged as indicated.
 - Assuming 24 wk lead-time, get NPI units by Nov 30, 2007...could be sooner.
 - 1 month to test NPI units. If we *don't* wait for OTS testing, can give the go-ahead for full production ~Jan 1/08. Otherwise wait 'til OTS with NPI units complete.
 - Assuming 8 wk lead-time (components already on-hand), get production units by Feb/Mar 08. Start shipping ESS-tested units to site May 2008...nearly 1 year ahead of baseline schedule.