Online Status

27-August-98

GCAS Meeting

Stu Fuess

- ***Technical Progress***
- ***Problems and Issues***

Online: Technical Progress

- **Inter-task communications software infrastructure package will be ready for initial release at the end of August. This is ~6 months late and has impacted start dates for other dependent tasks. This was a recognized problem area, and has been alleviated with the support of the Computing Division. It is believed that the software development schedule can recover from this delay.**

- **The EPICS control system continues to be implemented. In order to reduce the number of supported control software systems, a decision has been made to replace legacy front end processors (with no remaining legacy support software!) with those which support VXWORKS and EPICS. The control functions of the legacy systems are now to be performed by EPICS, and to this end we've made progress with an EPICS driver for the 1553 field bus with the assistance of the Beams Division.**

Online: Technical Progress

- **Event data acquisition via the controls path is now routinely active for test stands and will soon support commissioning efforts at D0. This mode is being integrated into the full Run II DAQ path, providing a common event logging and monitoring scheme.**

- **Prototype versions of COOR (configuration control) and the Data Logger exist. Functionality will be added as needed.**

- **A new co-head of the Online effort is now active (Paul Slattery, Univ of Rochester). An additional U of R physicist will also participate in Online tasks.**

- **Several people from detector groups have been identified to participate in the creation of commissioning and monitoring software.**

Online: Problems and Issues

- **The need for a dedicated UNIX system 'engineer' / manage continues. We are in the process of requesting the creation of a position from the lab management.**

- **The need for physicists to oversee the Event Monitoring and DAQ Monitoring systems remains. We hope to address one of these needs with a new hire; an offer to an excellent candidate is outstanding.**

- **The replacement of the legacy Token Ring based front end processors will cost from $50K to $100K. This is an unbudgeted cost; a Cost Change Control form will be submitted once a count of new systems is completed.**

Online: Problems and Issues

- **The Online schedule is being redone to emphasize integration efforts and to better represent current knowledge of remaining work. This will be done in concurrence with the scheduling efforts of the Commissioning Coordinator.**

- **The Online TDR remains about 80% complete. Uncompleted sections largely represent areas where we lack active workers.**