Meeting of 2D detector DAQ and XFEL timing groups.

Nov 12-13th , 2008

Day 1: Timing specifics, Wednesday 12th Nov., Building/ Room 55A/110

14:00	Aim of the meeting	C.Youngman
14:10	Description and status of XFEL timing system How does the system work? Define the nomenclature used. What is connected to what using what media? What clocks and signals are distributed? What telegram data is defined? What are the resolutions and jitters? Will the configuration change train-to-train? Etc.,	K.Rehlich
14:40	Discussion	
14:50	Experiments timing receiver board description: What is the form factor (assume AMC)? How do the experiments receive triggers and telegrams (backplane requirements)? What is the status of the board? Who is providing what (boards, software,…)? What is the time line of development/production? Will other form factors be provided, e.g. inserting into PC? Etc.	A.Hidvegi
15:20	Discussion	
15:30	Requirements from the experiments Do the experiments need more than start train, pulse clock, bunch occupancy telegrams, etc? How is non delivery of an entire train notification performed? How is non delivery of a pulse or many pulses performed? Restate resolution and jitters required? How do the experiments know that the timing system is incorrect (not connected, not working, etc.)	C.Youngman
15:50	Discussion	
16:00	Requirements from the Train Builder ??	J.Coughlan
16:20	Discussion	
16:30	Post Dresden decisions w.r.t. crate standards What crates are recommended for use in the Lab.	K.Rehlich

Day 2: 2D detector control issues, Thursday 13th Nov., building/room AER19/5.21

09:00	Pros and cons of separate control and data handling	P.Goettlicher
09:20	Pros and cons of combined control and data handling	A.Kugel
09:40	Discussion	
10:30	How to proceed	Discussion

Define which signals, clocks and data have to be distributed?
Define the senders and receivers of the above (C&C, TB, FEE)?
What connection media, connectors and protocol are to be used?
How does the entire system get debugged during running?
Standalone running requirements (calibration, bunch occupancy handling, etc.)
How is the system monitored?
Time line for C&C development
What do experiments do when nothing is available?
Etc.