

MDI Common Task Group Phone Meeting

May 4th 2010, 13:00 – 14:15 UTC

Present

P. Burrows, A. Seryi, T. Tauchi, K. Buesser

Apology

M. Oriunno

Optimisation of MDI Collaboration

The MDI efforts are understood to be a collaborative effort between machine and detector oriented working groups. Especially the question of the development of a push-pull system where two detectors and the ILC machine need to co-exist in a efficient and reasonable way is common and needs to be solved in one global approach.

The MDI group comprises the MDI Common Task Group of the Research Director Organisation as well as the related working groups in the respective GDE technical areas. The MDI group follows an open communication policy so that all relevant topics and requests, coming either from the GDE or the RD Organisation, will be discussed openly. The merging of the efforts into one common working group formally attached to the GDE and the RD organisation may be natural. Discussions on higher levels about the improvement of the communication between the machine and the detector world are ongoing and might have an influence on these developments.

The MDI CTG members agree to have regular meetings on a monthly basis together with the relevant GDE technical area leaders to ensure close communication. A time slot for the regular meeting should be found quickly.

Engineering Request for Push-Pull

The RD has asked the MDI CTG to discuss the engineering requests on push-pull, which have been issued by the detector concepts. The current compilation adds up to 4,5 FTEs which are complemented by own contributions of 4,45 FTEs. These requests comprise only the detector related push-pull topics like detector vibration studies, push-pull mechanics and detector hall design. It is understood by the MDI CTG, that this request needs to be complemented by the engineering resources on machine related topics like QD0 magnet design, beamline design and others.

The current list of FTE requests for push-pull will be sent to the detector concepts by the end of this week, comments from the MDI CTG members will be included by then. We will add a statement that the inclusion of the machine efforts and requests is essential as the design of the push-pull system is a common effort between the machine and the detector working groups.

New Members of the Common Task Group

The RD has asked the Common Task Group to discuss a possible extension of the group. Alain Hervé (CERN, ETHZ) has been suggested as a new member who would ensure

closer links to the design efforts ongoing at CERN. The MDI CTG suggests to complement this proposal by adding also Tom Markiewicz (SLAC) as a new member to the group. His efforts on MDI are already closely linked to the work of the CTG and would be a natural extension of the expertise in the group providing additional stronger links to the machine groups.

The MDI CTG therefore agrees to suggest to the RD that Alain Hervé and Tom Markiewicz should be asked to join the CTG officially.

IDAG Recommendations

IDAG has interviewed the MDI CTG conveners during the LCWS10 workshop in March in Beijing. The report with the IDAG recommendations has been circulated recently. Among its comments, IDAG recommends explicitly to evolve the IR Interface Document into a document providing specific engineering boundary conditions for a push-pull system. A deadline should be agreed upon by the MDI group and the detector concepts to circulate such a document.

The MDI CTG agrees that such a document should be a major milestone on a common push-pull working plan, which could be envisaged for the year 2011, well in time before the TDR should be published. The need to discuss a common working plan has been acknowledged. The way to progress on that will be discussed in the next MDI group phone meeting.