

# **FIRST LC ISG WORKSHOP**

**SLAC**

**January 26-29, 1998**

**Plans for the 2nd LC ISG Workshop: N. Toge**

January 29, 1998

To: SLAC-KEK I,(: ISG WG leaders  
From: David Burke(SLAC) and Nobu Toge(KEK)  
Subject: Towards the Next (2nd) LC ISG Meeting

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## **1 Preamble**

Congratulations and big thanks to the WG leaders and WG members for all the great contributions for making this first ISG meeting a substantial success.

The purpose of this memo is to present some suggested activities to conduct so as to propel ourselves towards an even greater successful 2nd ISG meeting.

## **2 Some House-Keeping Work**

We need to establish small groups of people to take care of the following:

1. ISG memoranda
2. E-mail list
3. Web-sites and FTP sites for information sharing (parameters, tables, decks, pictures, drawings).
4. Video conferencing

## **3 Rough Meeting Calendar**

Between now and the next ISG meeting, we would like there to be at least two classes of meetings:

1. Each WG should meet at least once, either at KEK or at SLAC, to review the progress, confirm the activity plans, and pin-down the specifics of the next ISG meeting agenda. Notes from these meetings shall be published as ISG notes.

Possibilities:

- WG1 March or April, anywhere
- WG2 March and May? at KEK, while ATF running
- WG3 sometime, somewhere (near/before ASSET time)
- WG4 March? at KEK or SLAC

2. WG-leaders from SLAC and KEK should meet for organizing the 2nd ISG meeting, during or right after the ASSET run in June, 1998.

The next (2nd) ISG meeting is to be held at KEK, some time between late June and August. Potential conflicts with conferences, other workshops and personal plans + preferences need to be sorted out, however.

## 4 Goals of the 2nd ISG meeting

Here are our suggested goals:

### A. ISG-wide global, big goals, inherited from the 1st ISG meeting

1. Fix the common baseline parameters [WG1]. Try to minimize the number of open options. If keep some options open, be clear about them.
2. Keep track of structure calc, fab and assy development [WG3].
3. Clean up directions of klystron development (theory + building), including choice of the klystron output pulse length, and DLDS design [WG4]. (For the pulse length, try to shape some consensus towards end of March).

### B. New (or renewed) topics, some already identified at the 1st ISG WG summaries. In particular:

1. Selected topics which call for early attention and focus in the injector area [WG2]. (WG2 leaders' homework to identify such topics in/around March).
2. Electron sources, particularly polarized gun cathode [WG2].
3. Begin a subgroup to work-out specifications for low-level RF controls and instrumentation [WG3]. - -
4. Do the work above in conjunction with the DLDS testing, too [WG3].
5. Make more progress in the linac structure alignment and linac layout in general. Specifications for facilities and utilities [WG3].
6. Begin a subgroup to plan for R and D on RF breakdowns and power limits of high-power components, such as couplers, bends, windows [WG3/4].
7. Review progress and inputs from C-band development [WG3].

Your constructive inputs and hard work are expected, as usual!