

Minutes of EUV Subcommittee meeting, San Francisco, CA

Time: 8:00 AM - 12:00 PM, July 13, 2005

Attendees:

The meeting roster will be published in the same Web site as other meeting materials (see below).

Minutes:

1. TFOF review

The SC meeting reviewed the EUV SC TFOF that was approved at the May 18th NA PIC meeting. Discussed proposal to form Protective Enclosure and Contact Areas (PECA), and Carriers, Interfaces, and Load-Ports (CILP) Task Forces. Those two TF's will operate under SC's guidance and support for EUV mask standards developments. Tentatively proposed TF leaders are: CILP TF leader - Phil Seidel (SEMATECH), Co-leader - Phil Glynn (Entegris), PECA TF Leader - Long He (SEMATECH), Co-leader - Mutas Haddadin (Intel).

2. Technical presentations

There were eight presentations made in the SC meeting, ranging from standards/data summary review, user's requirements, supplier specific approaches/designs, to molecular contamination and advanced cleanings. Those materials will be published in SEMATECH Web for public access. The link to it will be distributed up on completion.

3. Follow-on actions

Extensive discussions were focused on near term (2~3 months) TF plans, the outcomes are:

- 1) Request for NA PIC to approve the creation of PECA and CILP TF's under the EUV SC for global EUV mask standards development.

Long He (SEMATECH) has presented two TF TFOF's on July 14th, the day after this SC meeting to NA PIC. The PIC committee approved to form those two task forces. The

approved TFOF's are attached to the minutes for references.

- 2) To define detailed TF scopes, the SC will conduct a "2-pass" survey. For the 1st pass, the SC will conduct a survey to gather inputs in the following three categories, with blank templates:
 - a. What must be included in EUV mask standards
 - b. What questions need to be addressed
 - c. What data should be acquired

The 2nd pass will be conducted as such: the SC will combine all the first-pass survey results in forms of (random) running lists, but, keeping the same three categories. It will then be used to survey for ranking and prioritization.

SC/TF leaders will then summarize and sort the survey results according to each TF's scopes

The SC/TF will meet through teleconference to review and discuss the survey results. The whole survey should be completed by the end of August.

- 3) Mutaz Haddadin (Intel) will work with targeted stakeholders and suppliers to draft user's requirements for EUV mask standardization. It's targeted to complete in about six weeks. The SC/TF will conduct teleconference review once completed.
- 4) In the October SEMI standards meeting in Portland, Oregon, SEMI will conduct an IP scan in related EUV mask areas. The EUV SC/TF will review both the survey results and draft of user's requirements in the SEMI standards meeting.

The SC agreed that each TF should plan for a three-hour meeting during the SEMI standards meeting. The SC will plan to meet for two-hours afterwards, a total of eight hours SC/TF meeting. It should be planned for the same day.

- 5) The SC/TF should schedule and conduct teleconferences between now and the October standards meeting on needed bases.