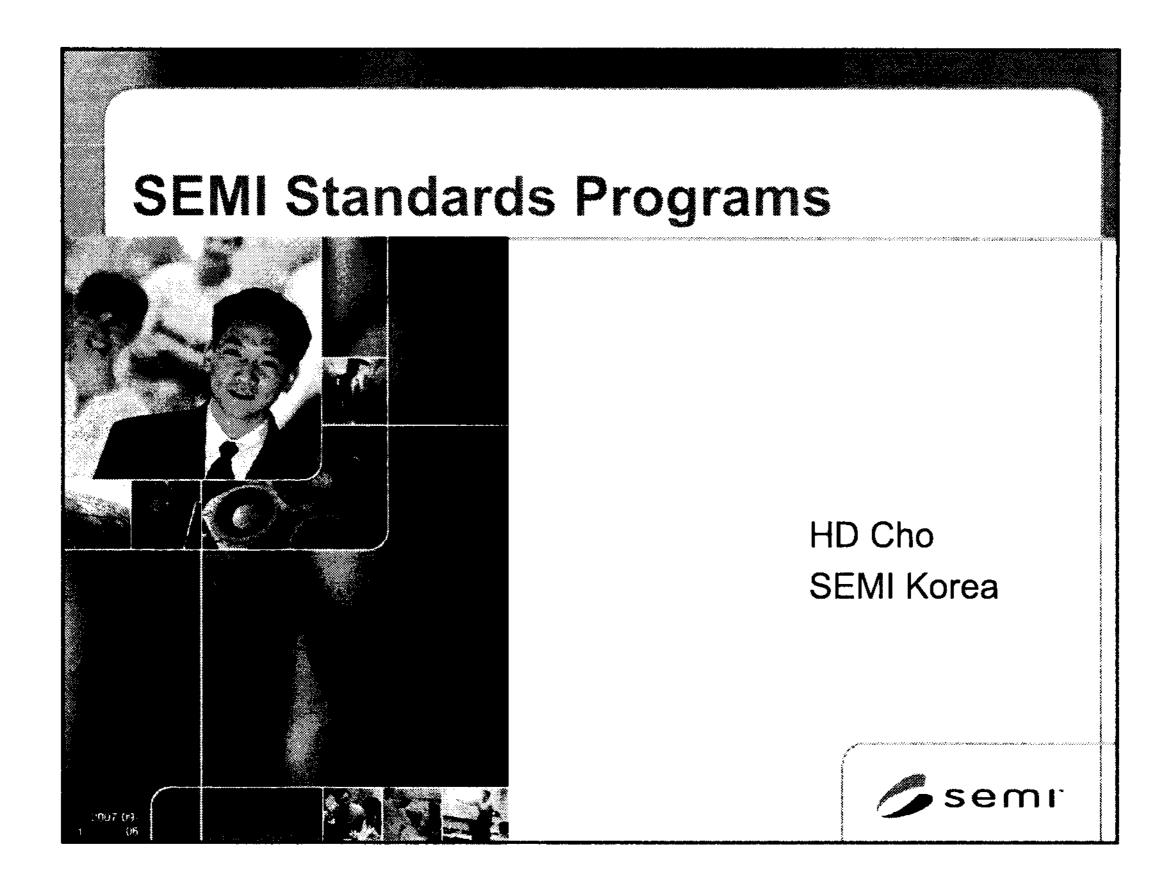
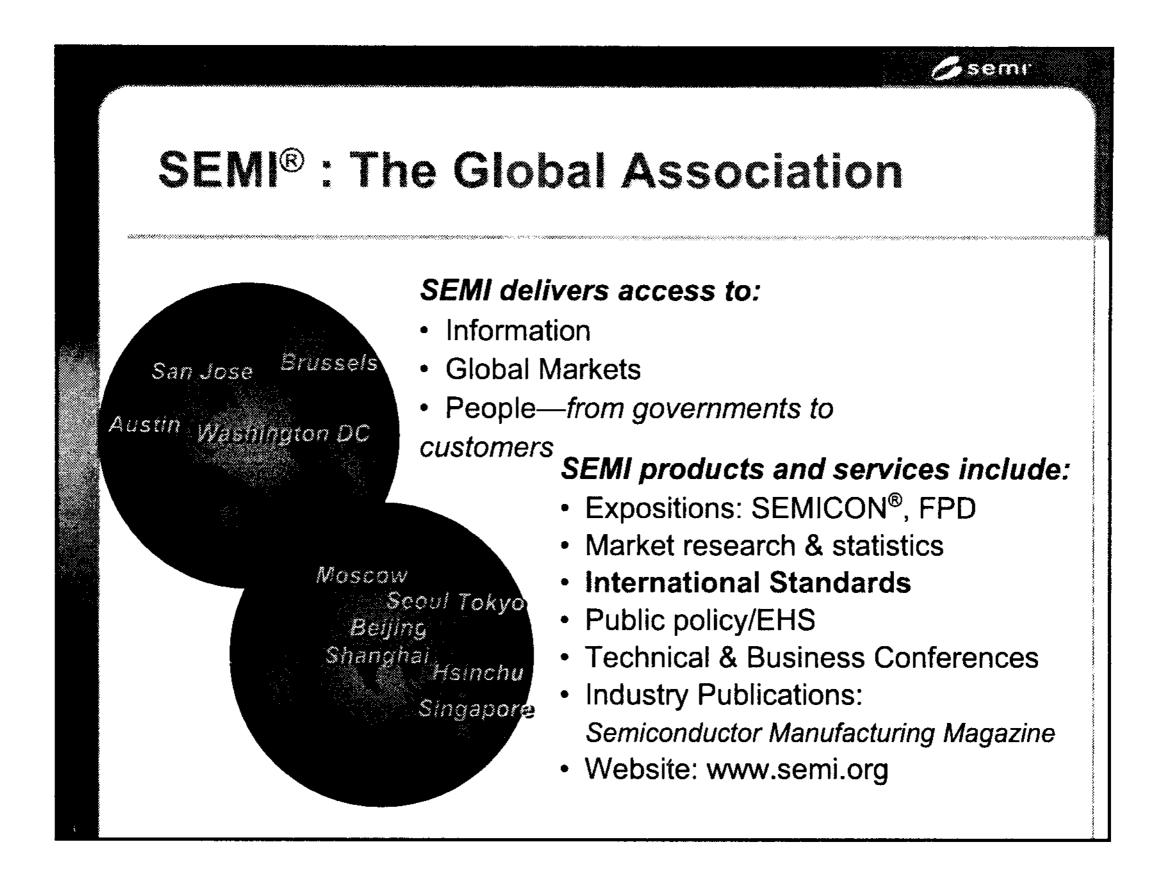
SEMI Standards Programs

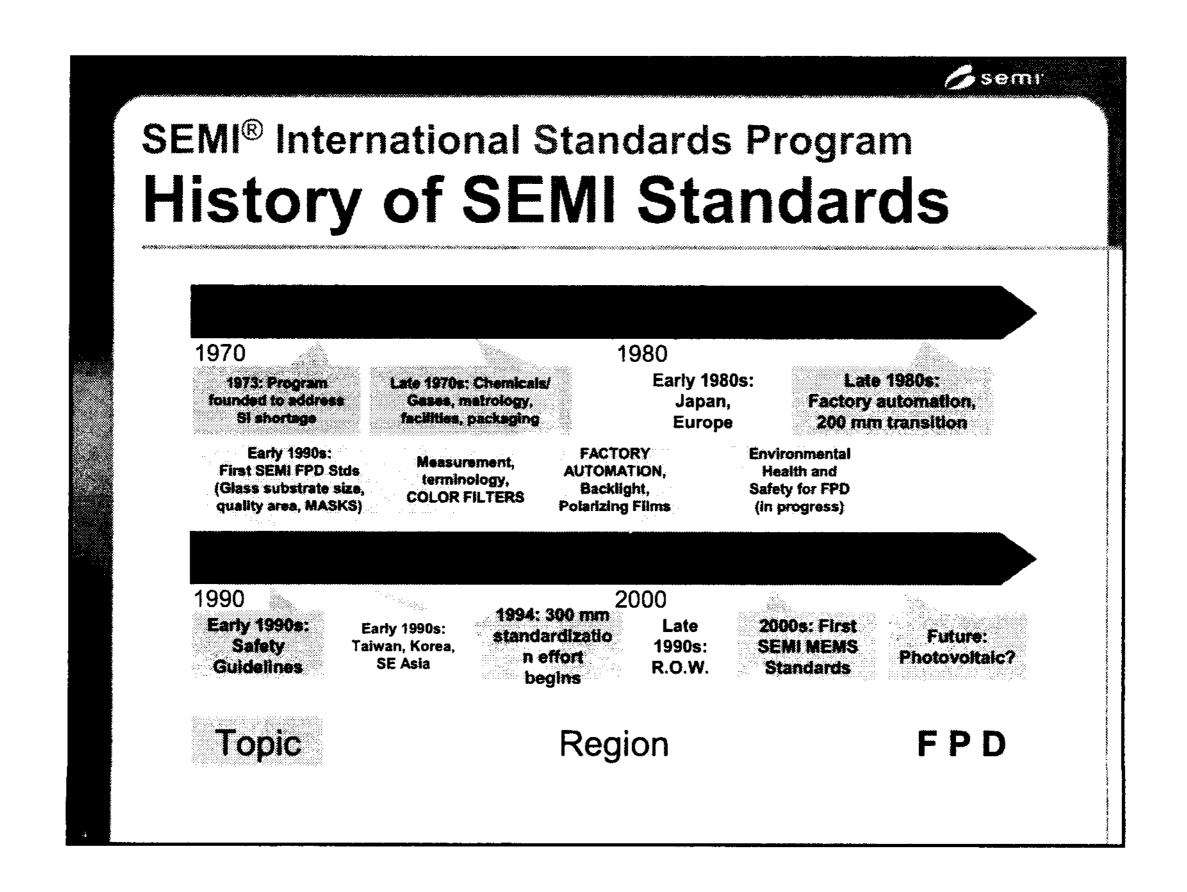
조현대 사장 Semi Korea

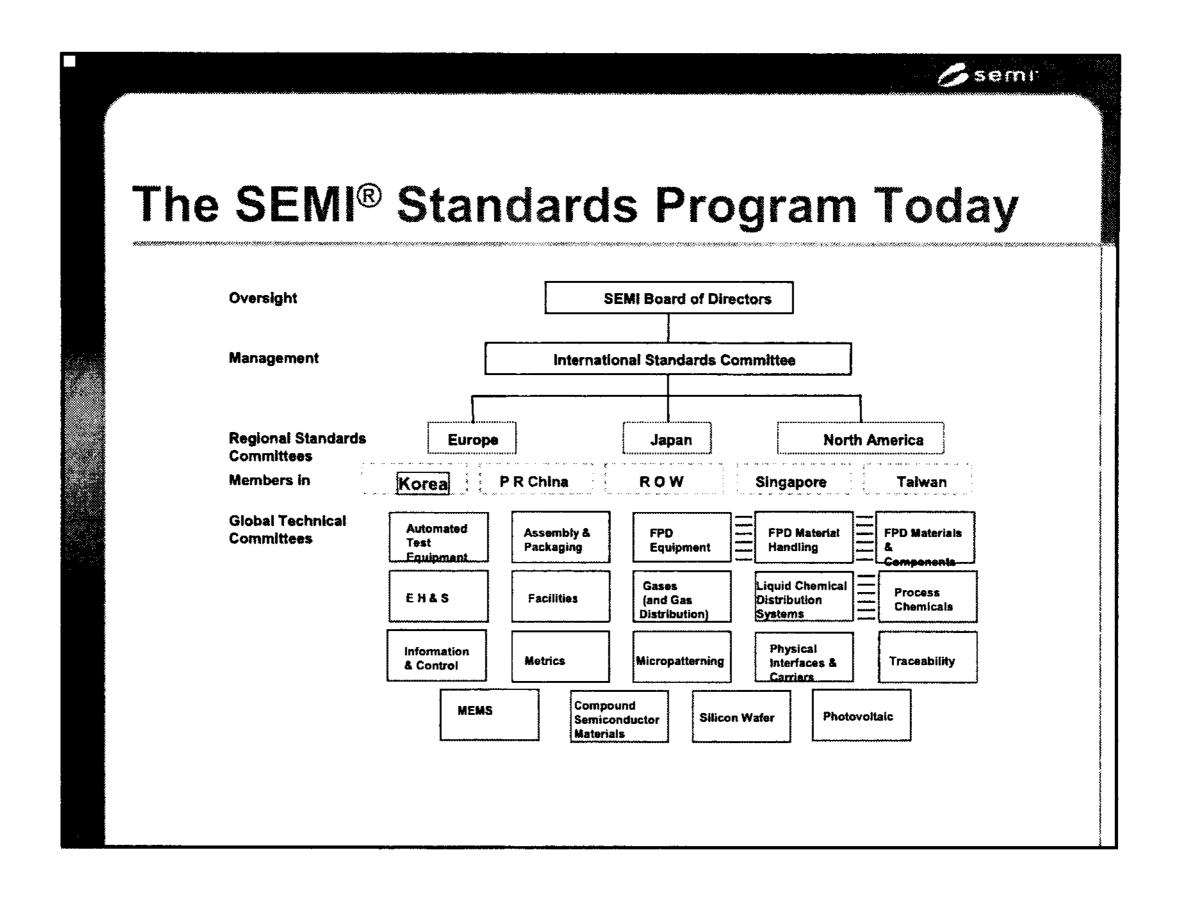




Outline • The SEMI International Standards Program – History – Operations Today – Korea Standards Activities







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A Few Facts

- > 1,500 Standards volunteers currently enrolled in the Program
- 19 global technical committees, > 200 task forces active
- Over 770 Standards and Safety Guidelines published
- About 200 new documents and revisions under development
- 22 SEMI staff in 6 regions and SEMI HQ
 - Ms. Hyun Cha/SEMI Korea has been supporting SEMI Standards activities for many years



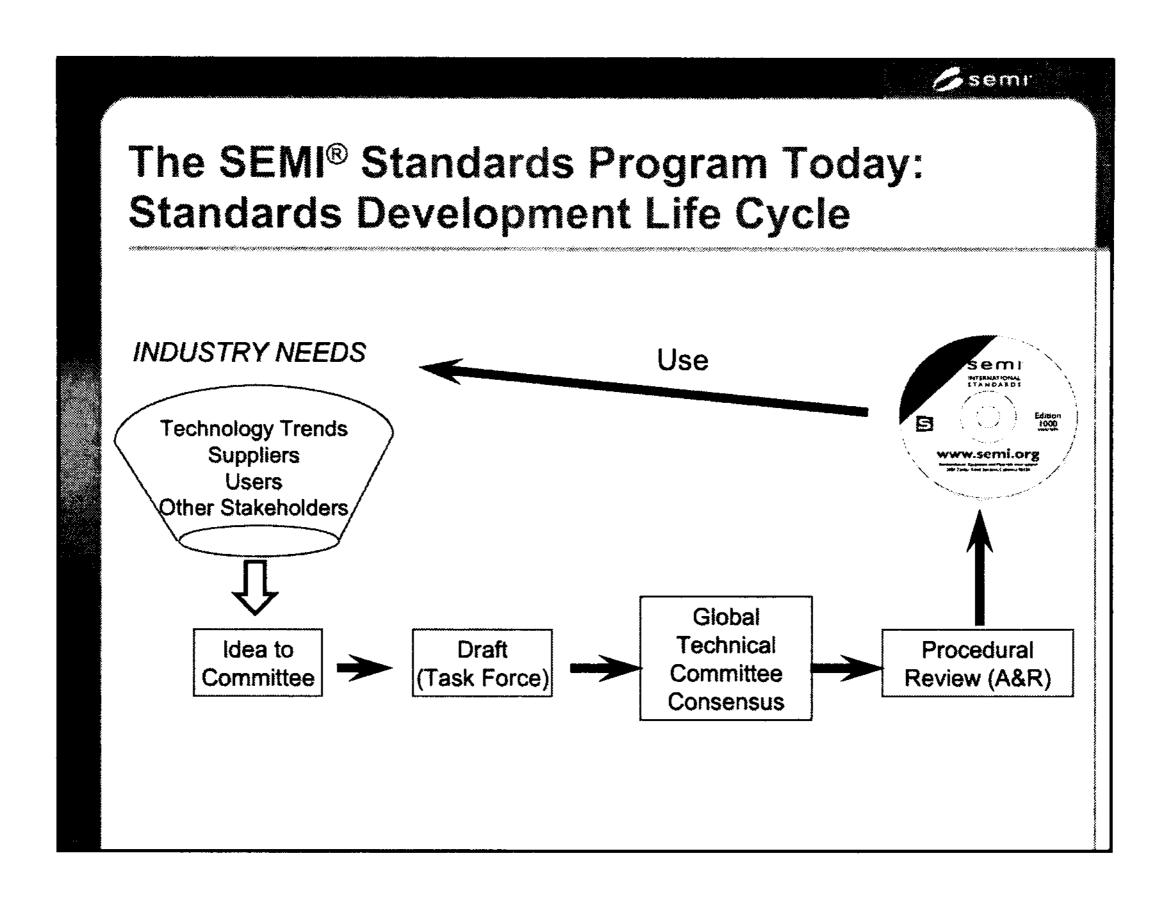
A Few Facts (cont'd)

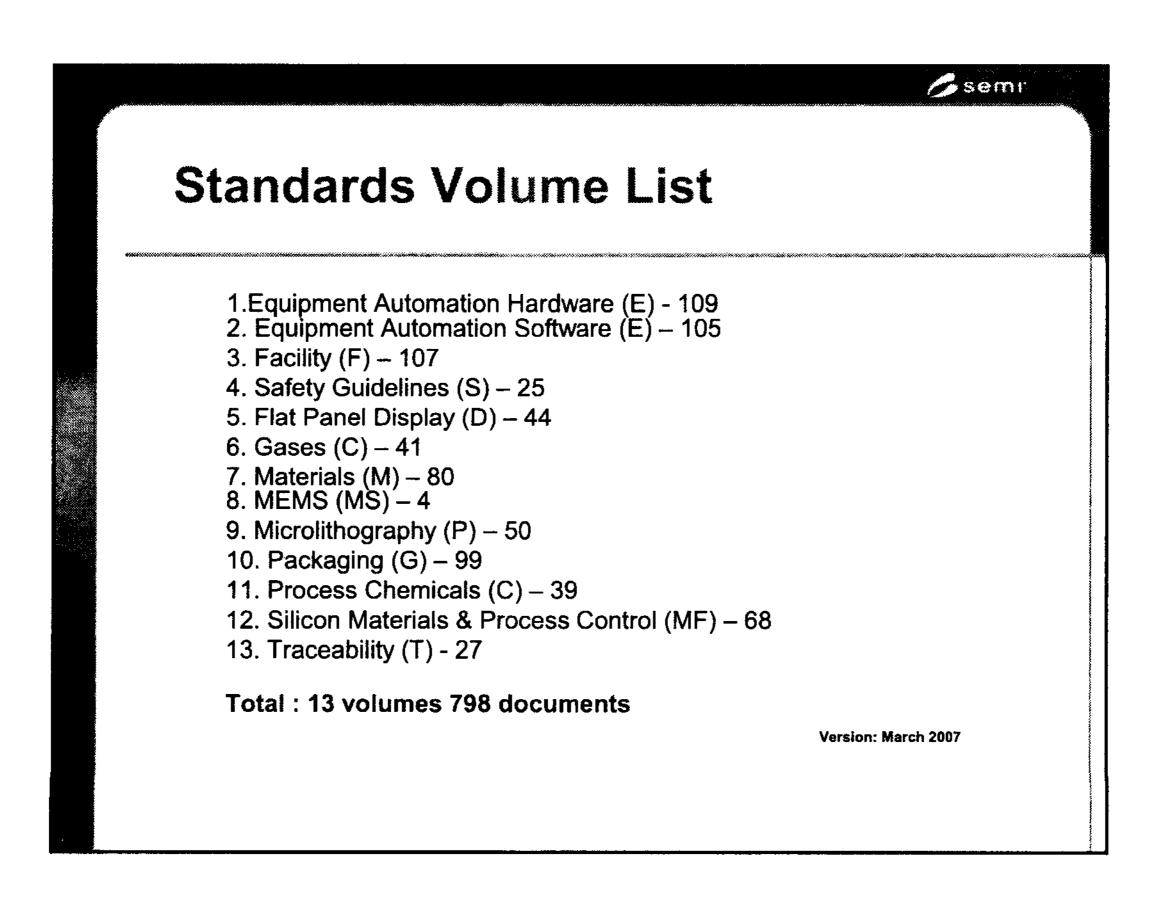
- Migration to semiconductor-related activities began in the early 90's, followed by several others
- Standards have been on the forefront of any major technology node or market shift
 - Terminology
 - Common product or equipment parameters
 - Software interfaces

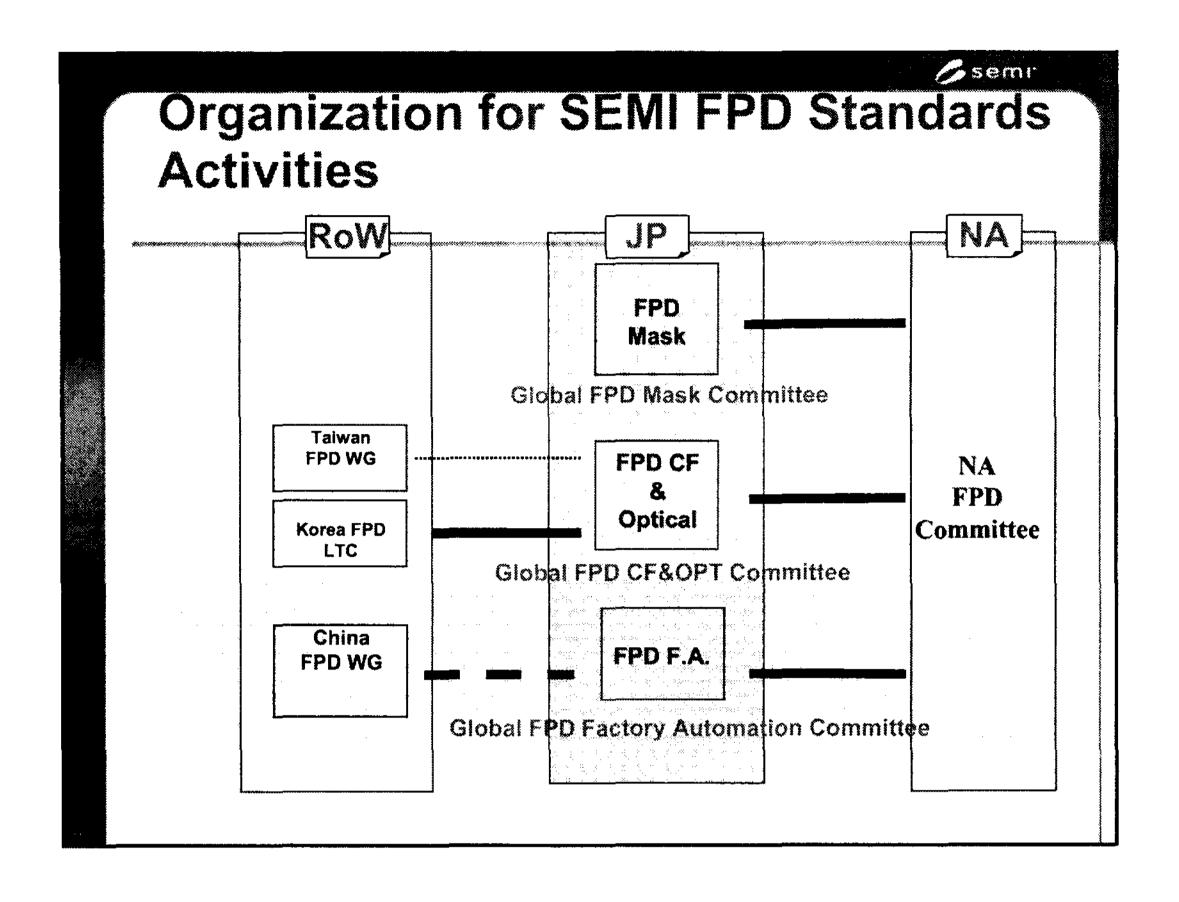
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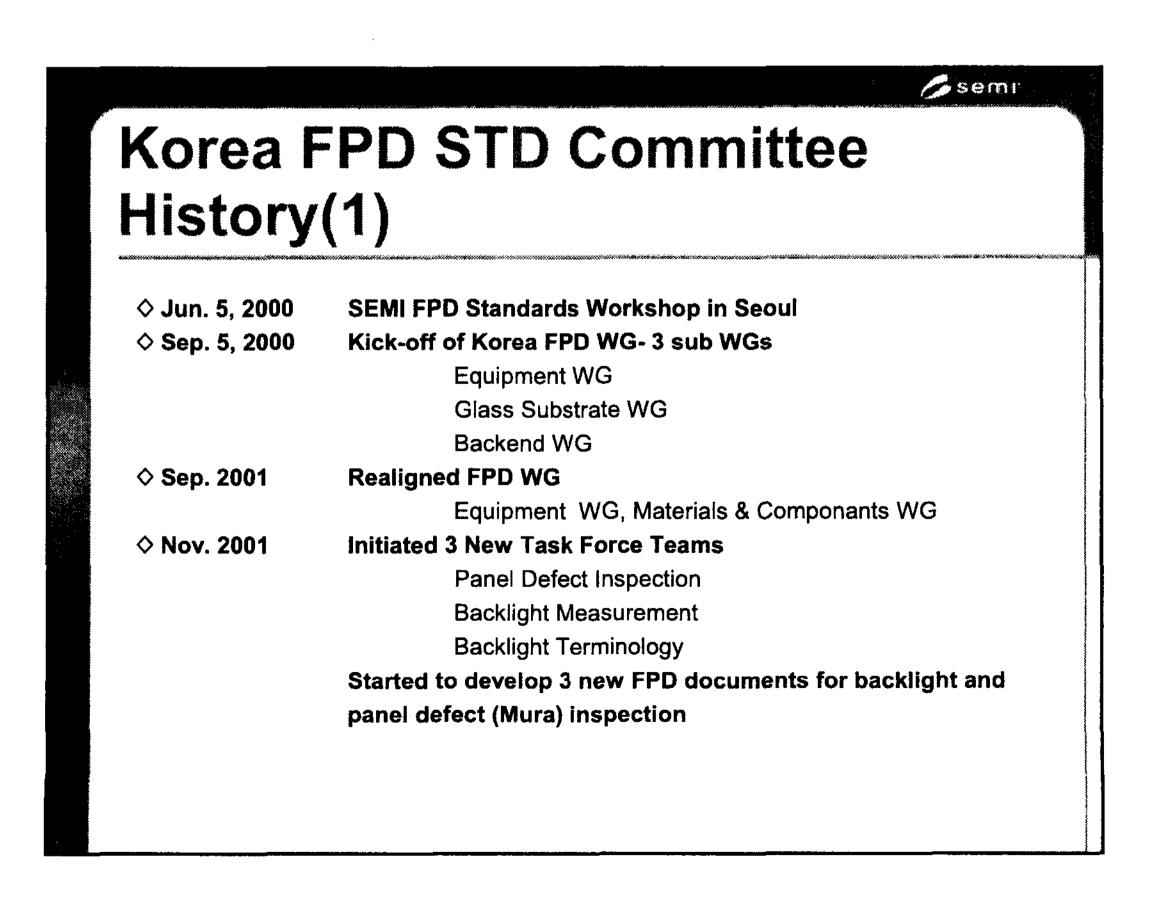
SEMI® International Standards Program – How is it organized?

- Program is guided by formal Regulations approved on an international basis
- Meetings for document development are conducted in North America, Japan, and Europe – as of 2001 also in Korea and Taiwan
- Moving to electronic communications and document development has reduced need for travel and increased flow of communication
- Worldwide distribution of document drafts and ballots enables global consensus
- Working relationships with regional consortia and standards developing organizations help provide additional technical expertise











Korea FPD STD Committee History(2)

♦ Jun. 2003 2 New Standards Documents in Publication **Backlight Terminology Backlight Measurement** ♦ Oct. 2005 Reliability TF Kick-off Team Leader: Mee Ryoung Cho, KILT ♦ Nov. 2005 D36-1101(#4183) Revision: Terminology of Backlight Units Passed Yellow Ballot and Committee Review In Procedural Review D36-1101(#4183): published ♦ Mar. 2006 ♦ Jul. 2006 **Promoted to Local Technical Committee** ♦ Oct. 2006 New SNARF for BLU Reliability ♦ Aug. 2007 Formed Sub-committee for PDP and OLED Submitted 3 new SNARFs in each sub-committee

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Developed Documents by Korea FPD STD Committee

1) SEMI D33-0703 (2003/05/27)

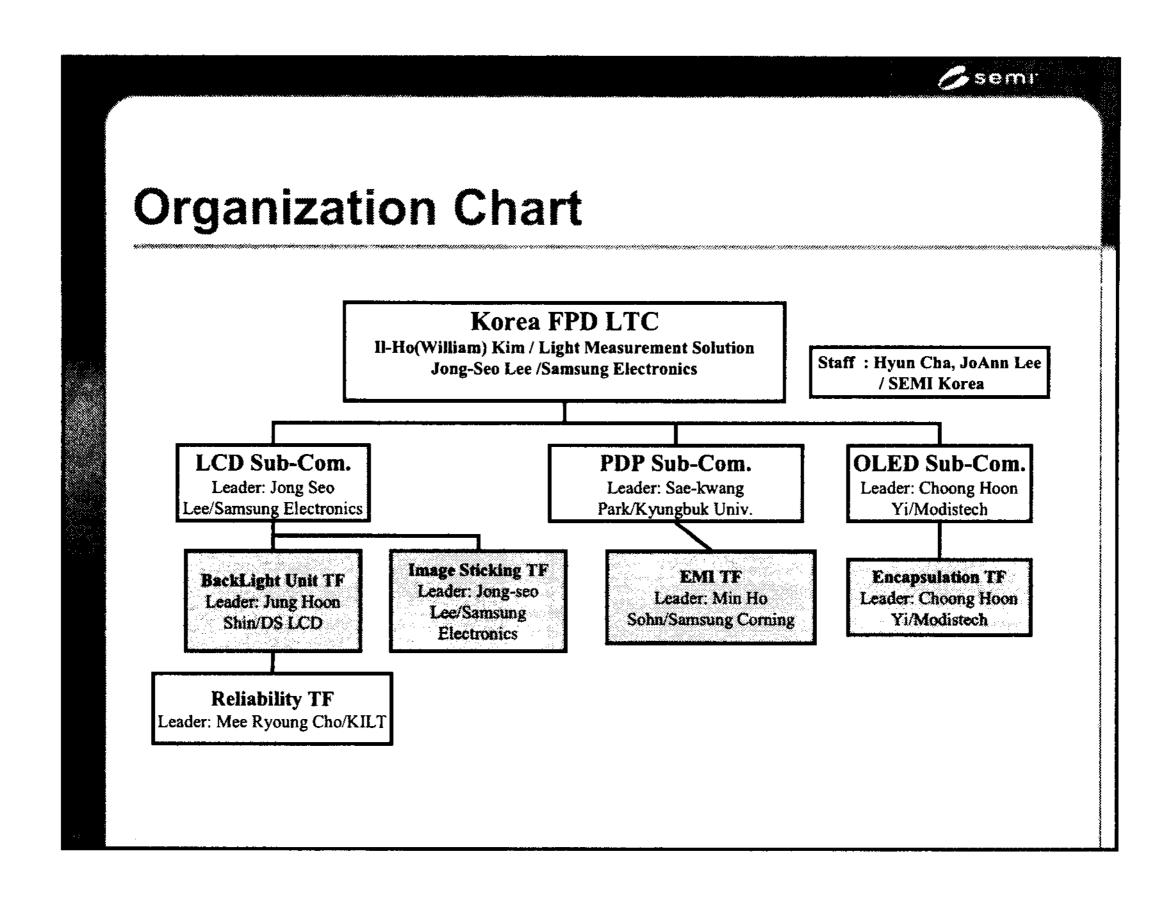
New Standard: Measuring Method of Optical Characteristics for Backlight Unit

2) SEMI D36-1103 (2003/09/03)

New Standard: Terminology for LCD Backlight Unit

3) SEMI D41-0305 (2005/01/28)

New Standard: Measurement Method of SEMI Mura in FPD Image Quality Inspection



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Current Activities

- 3rd Korea FPD STD Technical Committee Meeting
 - 1) Date: Aug. 30, 2007 during IMID 2007
 - 2) Location: Hotel Inter-Burgo
 - 3) Attendance: 20 from panel makers, suppliers and academia
 - 4) Meeting Summary: 3 SNARFs have been passed through the meeting
 - LCD: Image Sticking
 - PDP: EMI emission standardization of PDP panel
 - OLED: Measurement of encapsulation properties