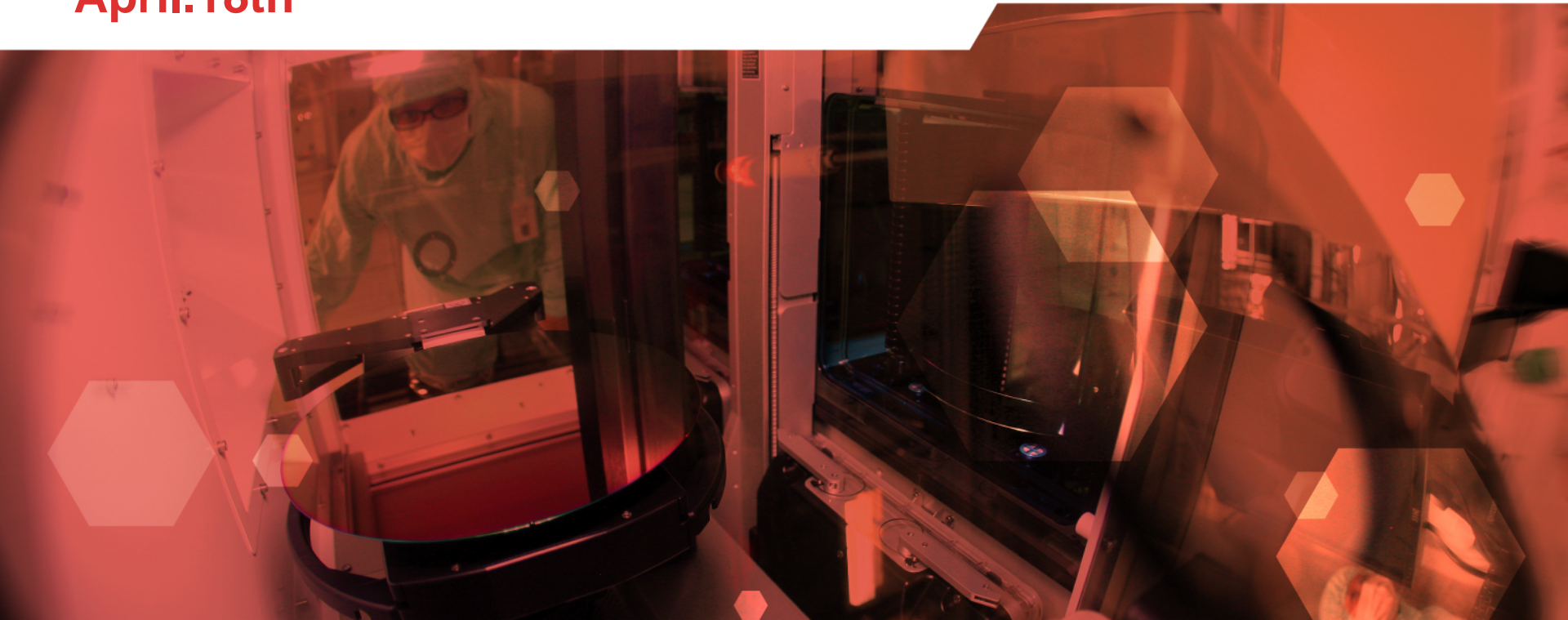


SEMI China PV Std. Technical Committee PV Diffusion Furnace Test Methods Task Force

Liu Liangyu

April.18th



Leaders of PV Diffusion Furnace Test Methods Task Force

No.	Name	Company	Industry Chain
1	Liu Liangyu	CETC-48th	Equipment
2	Cai Xianwu	CETC-48th	Equipment
3	Li Hong	NAURA	Equipment
4	Zheng Jianyu	NAURA	Equipment

Note: Industry Chain: Silicon/ Wafer/ Cell/ Module/ System/ Equipment/ Material/ Others

Members of PV Diffusion Furnace Test Methods Task Force

No.	Name (EN)	Company (EN)	Industry Chain
1	Tang Yingtang	Canadian Solar	Module
2	Xu Tao	Canadian Solar	Module
3	Guo Suqin	Canadian Solar	Module
4	Liu Liangyu	CETC-48th	Equipment
5	Cai Xianwu	CETC-48th	Equipment
6	Lv Wenli	CETC-48th	Equipment
7	Xiao Youwen	CETC-48th	Equipment
8	Fan Yingxin	CETC-48th	Equipment
9	Long Hui	CETC-48th	Equipment
10	Luo Haiyan	FJJL	Others
11	Tang Liang	GCL	Module
12	Jin Hao	Jinko	Module
13	Wang Xiaoyong	LERRI Solar	Module

Note1: Industry Chain: Silicon/ Wafer/ Cell/ Module/ System/ Equipment/ Material/ Others

Note2: Different Industry Segment should be showed in different background colors

Members of PV Diffusion Furnace Test Methods Task Force

No.	Name (EN)	Company (EN)	Industry Chain
14	Jia Jingying	National Engineering Research Center for Photovoltaic Equipment	Equipment
15	Li Hong	NAURA	Equipment
16	Zheng Jianyu	NAURA	Equipment
17	Li Buzhong	NAURA	Equipment
18	Sun Pengtao	NAURA	Equipment
19	Geng Dan	NAURA	Equipment
20	Gui Xiaobo	NAURA	Equipment
21	Chen Rulong	Suntech	Module
22	Ni Zhichun	Talesun	Module
23	Wang Zhaoyun	UG Smart Energy Co.Ltd.	Module
24	Cui Jingguang	Yingli Solar	Cell
25	Zhang wei	Yingli Solar	Cell
26	Zhao xianlei	Yingli Solar	Cell

Note2: Different Industry Segment should be showed in different background colors

Standards had been published

SEMI Standard PV53-0514

Standard Name : Test Method for In-line Monitoring of Flat Temperature Zone in Horizontal Diffusion Furnaces

Documents in Work

(1) SEMI Draft Document 5841

Doc. Name : Guide for Specifying Low Pressure Horizontal Diffusion Furnace

(2) SEMI Draft Document

Doc. Name : Test Method for In-line Sheet Resistance Inspection

Progress on the Documents

(1) **SEMI Draft Document** : Guide for Specifying Low Pressure Horizontal Diffusion Furnace

Content	When
Modified the document after meeting and discussed it with the experts who present opinions.	Feb. 2017
Voted the document in the TF and submitted it to the committee for review.	Apr.2017

Progress on the Documents

(2) SEMI Draft Document : Test Method for In-line Sheet Resistance Inspection

Content	When
Has completed the relevant experiment and the draft, but we did not submit the draft to the committee for review this time according to the committee's arrangement.	Mar. 2017

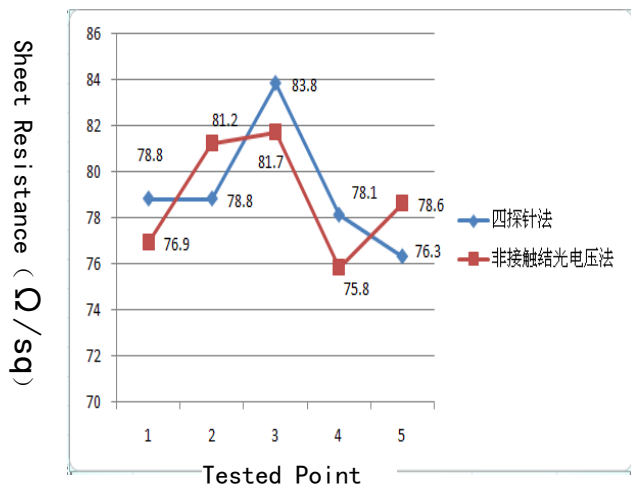
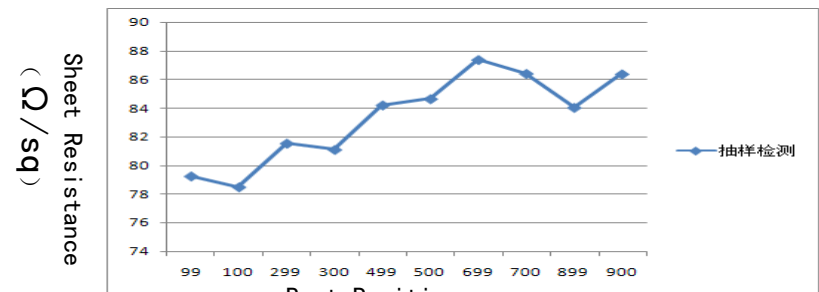
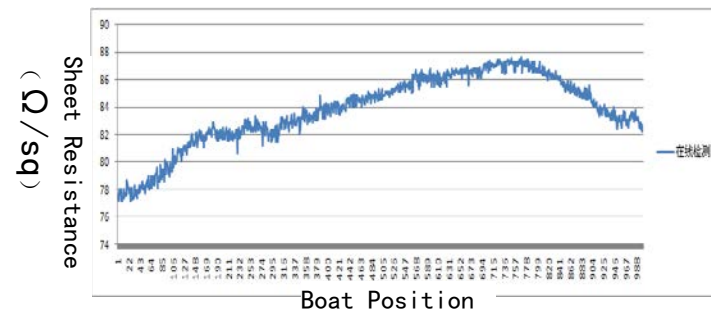


Fig 1. The testing results comparison of sheet resistance by non-contact junction photovoltaic method and the traditional four-probe



a.The testing results by Sampling Method in one boat



b.The testing results by In-line Method in one boat

Fig 2. The testing results comparison of sheet resistance by Sampling Method and In-line Method

Progress on the Documents

(2) SEMI Draft Document : Test Method for In-line Sheet Resistance Inspection

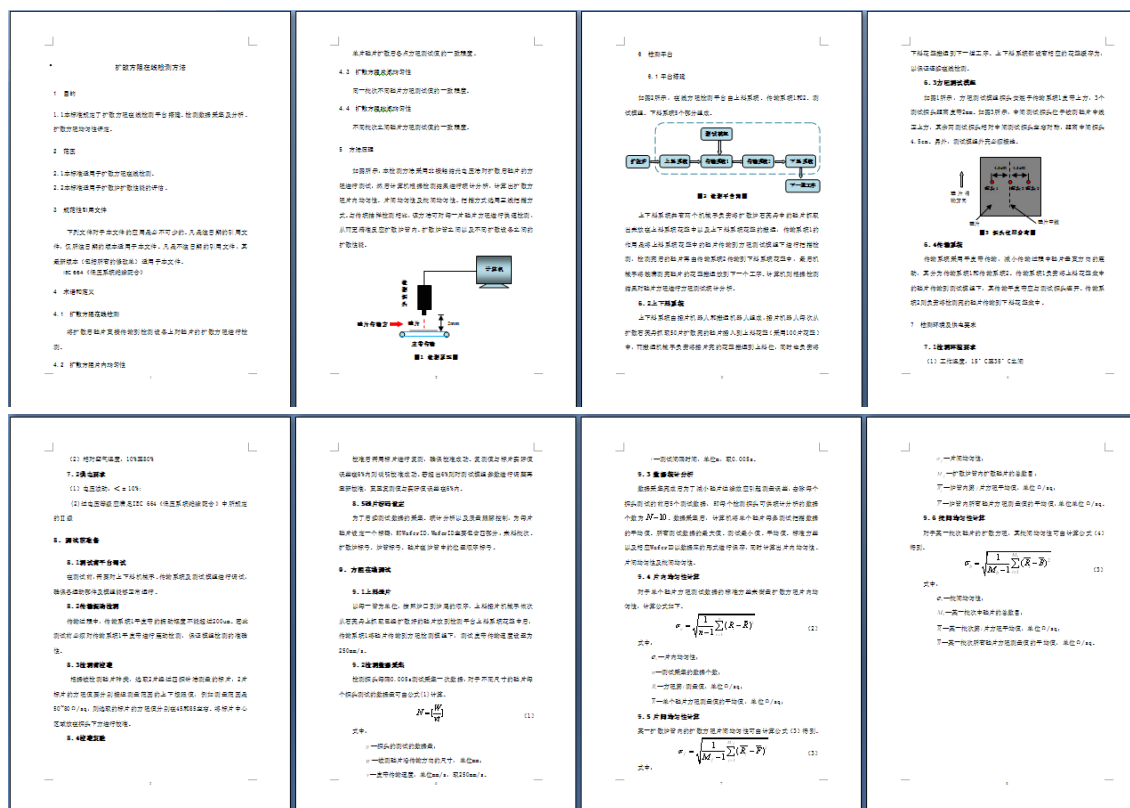


Fig 3. The Draft of the Standard

TF Work Plan for the Next Step

(1) SEMI Draft Document 5841:

Guide for Specifying Low Pressure Horizontal Diffusion Furnace

Content	When
Perfect the document according the opinions and submit it to SEMI Headquarters.	Nov,2017

TF Work Plan for the Next Step

(2) **SEMI Draft Document** : Test Method for In-line Sheet Resistance Inspection

Content	When
Improve the draft to the members of TF and complete the ballot in TF.	July .2017
Submit the modified draft to the committee for review before the next meeting.	Nov .2017

THANK YOU