

Minutes

EU FP7 Integrating Activity SFERA
Solar Facilities for the European Research Area



Minutes-No.	Session	Org.	Date
WP4_110311 Sfera_Std	Sfera Standardization	DLR SF	2011-03-11

Subject
SFERA Round Table CSP Component Standardization in Europe
Side Event ESTELA 2nd Industry Forum

Meeting-Loc.
Syracuse, Italy,
2nd Industry Forum

Begin
2011-03-11 15:00 h

End
2011-03-11 16:30 h

Session Chair	Telephone no..	Minutes Secretary	Telephone no.
Eckhard Lüpfer	+49 2203 601 4714		

Invitation and Agenda from
2011-03-04

Participants
22 participants

See attached list

Copy to
SFERA

Result

Invitation text:

This round table meeting is part of the activities of the EU-funded Project SFERA Solar Facilities for the European Research Area. Its networking activity NA3 aims at the development of industrial standards for CSP components in Europe through expert working group and round table meetings. The present round table meeting aims to provide an overview of the current state of technical standard preparations and ongoing national and international efforts to create formal standards and support the creation of European Standards for CSP components. After the initial keynote presentations of the invited speakers broad room for discussion and active contributions is foreseen, to exchange experience and information in this topic and to strengthen the network for further collaboration. (Christoph Richter)

Action Item

<http://sfera.sollab.eu/>

Eckhard Lüpfer welcomes the participants of the meeting and addresses the objective of joining efforts at international level to bring CSP know-how forward at the level of industrial application. The meeting is an activity within the SFERA project co-funded by the European Commission.

Luis Crespo presents an overview of the status of the Spanish activities in the framework of an AENOR sub-committee on "thermoelectric solar energy systems" (AEN/CTN 206/SC 1).

3 working groups are active on topics of the whole plant, the components and the storage sub-system. The work involves staff from Spanish research and industry.

First drafts of standards are under preparation and will be submitted to AENOR within year's time.

The work includes vocabulary. It aims at larger coverage of issues subject to standardization.

Siglinde Kaiser presents DIN, the German Institute for Standardization. Standards support implementation of new technologies and increase

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competitiveness. Standards exist at different levels, e. g. company standards, consortium standards, sector standards, and standards developed by national standards bodies recognized as such. Important criteria of a standard are its common acceptance (consensus), the transparent elaboration process, the possibility for all stakeholders to participate, and the public enquiry. A CEN workshop agreement (CWA) is suggested as possible way of implementation within the context of the Sfera project.

Action Item

Eckhard Lüpfer identifies standards as means to disseminate technology, reduce cost and technical risks and foster commercial implementation. There are activities in the field of CSP standardization in the technology development at the research institutes and in industry. A working group exists in IEA SolarPaces Task III. Besides the leading activities of AENOR there are further actors in standardization such as DIN and ASME at national levels, and IEC, CEN and ISO at international level. It is essential to make use of existing standards from related technologies (solar thermal, photovoltaic, energy, building ...) in order to advance in the field of CSP based on the existing specific know-how. It is proposed to start in areas where sufficient knowledge for finalizing first drafts is already available (such as mirror optical properties).

The discussion of the speakers panel and the meeting participants addresses the following key points:
Spanish industry has an urgent need for standards. European standardization paths with 27+4 member countries involved might be too slow for the development speed of CSP. A strategy like CWA could be fast enough (6-8 months) and also viable with limited resources. Based on a proposal of Spain, IEC is distributing to all IEC national committees a proposal to draft standards for solar thermal electric power plants.

Closing date of the IEC vote is April 1st.

- Two main strategy lines are identified:
1. support the Spanish momentum (channelled in AENOR) and transfer this later to European level.
 2. identify needs for standards and gaps at international level and identify appropriate groups.

The participants mainly agree on supporting the Spanish activities with the objective of creating a set of rules that can later be proposed for adoption at the international level.

Aenor participants

From Spanish side (AENOR participants, in particular Juan Ignacio Burgaleta and Luis Crespo) it is requested to identify the possibility of getting more international stakeholders involved early enough to achieve sufficient consensus for the internationalization process (confidentiality and Spanish language of AENOR working groups are identified as hurdles for broader contribution).

IB, LC check with Aenor

Contact international participants

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Question is why IEC (and not ISO) is currently leading the work at international level, although the majority of the topics related to STE plants are not electro-technical related. An assessment of this should be made considering needs and scopes.

Who can tell if it is relevant?

Siglinde Kaiser
Luis Crespo
Eckhard Lüpfert

14th March 2011

SFERA Standardisation

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