

Global Solar Certification Network Meeting No. 6



Meeting Minutes GSCN Meeting 2019 GSC_N0073.R0
Date/Time: Thursday, 7 March 2019, 9:00–13:45 UTC+1
Location: Research Institutes of Sweden (RISE) Drottning Kristinas väg 61, Stockholm, Sweden
Host Contact: Mrs. Charlotte Ehn, charlotte.ehn@ri.se +46 10 516 53 41 +46 10 516 50 00 (vxl)
Web Conference Login: https://iccsafe.webex.com/join/smartin Access code: 923 970 658 Global call-in numbers
Registration: Attendees are requested to register attendance at the following link by by 20 February 2019: https://www.surveymonkey.com/r/37YHZD8 <i>* If the on-line registration form does not work for you, please contact manager@gscn.solar</i>
Related Meetings:
<ul style="list-style-type: none"> • CEN TC 312 WG 1 “Solar collectors” • CEN TC 312 WG 2 “Factory made systems” • IEA SHC Task 57 “Solar Standards & Certification” • Solar Keymark Network Meeting <p><i>*See Schedule for Meetings below for more information.</i></p>

Map of center of Stockholm:



Meeting place Drottning Kristinas väg 61

Elite Hotel Arcadia

Meeting place Drottning Kristinas väg 61



Subway station

Recommended Lodging:

- Elite Hotel Arcadia (closest to RISE)
- Scandic Hotel Anglais – Stureplan
- Hotel Birger Jarl
- Mornington Hotel Stockholm City
- Clarion Collection Hotel Wellington
- Comfort Hotel Stockholm

- Körsbarsvägen 1
- Humlegårdsgatan 23
- Tulegatan 8
- Nybrogatan 53
- Storgatan 6
- Kungbron 1

**See SKN26_Information about Hotels for Stockholm meeting.pdf for more information*

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Global Solar Certification Network Meeting Minutes –Stockholm, 7 March, 2019 9:00 – 13:45

Item	Decision Requested	Topic/Content/Responsible	Related documents / comments / details																																																												
1		<p>SHORT WELCOME AND ROLL CALL OF PARTICIPANTS / HD</p> <p>Start 9:10 AM</p> <p><i>HD Welcomed attendees and requested individual introductions.</i></p> <p>Attendees:</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Organization</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td><u>Harry Michalopoulos (HM)</u></td> <td><u>Sammler</u></td> <td>Member</td> </tr> <tr> <td><u>Stefan Abrecht (SA)</u></td> <td><u>Solar Heating Initiative</u></td> <td>Applicant</td> </tr> <tr> <td><u>Sören Scholz (SS)</u></td> <td><u>DIN CERTO</u></td> <td>Member</td> </tr> <tr> <td><u>Les Nelson (LN)</u></td> <td><u>IAPMO</u></td> <td>Member</td> </tr> <tr> <td><u>Carsten Lampe (CL)</u></td> <td><u>ISFH</u></td> <td>Member</td> </tr> <tr> <td><u>Thomas Althaus (TA)</u></td> <td><u>Ritter Energie</u></td> <td>Applicant</td> </tr> <tr> <td><u>Harald Poschamig (HP)</u></td> <td><u>GREENoneTEC</u></td> <td>Member</td> </tr> <tr> <td><u>Stephan Fischer (SF)</u></td> <td><u>IGTE</u></td> <td>Member</td> </tr> <tr> <td><u>Norbert Rohde (NR)</u></td> <td><u>KBB</u></td> <td>Member</td> </tr> <tr> <td><u>Korbinian Kramer (KK)</u></td> <td><u>ISE</u></td> <td>Member</td> </tr> <tr> <td><u>Matteo Sartori (MS)</u></td> <td><u>KIWA</u></td> <td>Member</td> </tr> <tr> <td><u>Daniele Bernacchioni (DB)</u></td> <td><u>ICIM</u></td> <td>None</td> </tr> <tr> <td><u>Ioannis Alexiou (IA)</u></td> <td><u>DQS Hellas</u></td> <td>Applicant</td> </tr> <tr> <td><u>Andreas Bohren (AB)</u></td> <td><u>SPF</u></td> <td>Member</td> </tr> <tr> <td><u>Charlotte Ehn (CE)</u></td> <td><u>RISE</u></td> <td>None (Host)</td> </tr> <tr> <td><u>Colin Xie (CX)</u></td> <td><u>Intertek</u></td> <td>None</td> </tr> <tr> <td><u>Cai Zhou (CZ)</u></td> <td><u>TUV Shanghai</u></td> <td>None</td> </tr> <tr> <td><u>Harald Drück (HD)</u></td> <td><u>IGTE</u></td> <td>Member (Chair)</td> </tr> <tr> <td><u>Shawn Martin (SM)</u></td> <td><u>ICC-SRCC</u></td> <td>Member (Manager)</td> </tr> </tbody> </table> <p>APPROVAL OF AGENDA /HD</p>	Name	Organization	Status	<u>Harry Michalopoulos (HM)</u>	<u>Sammler</u>	Member	<u>Stefan Abrecht (SA)</u>	<u>Solar Heating Initiative</u>	Applicant	<u>Sören Scholz (SS)</u>	<u>DIN CERTO</u>	Member	<u>Les Nelson (LN)</u>	<u>IAPMO</u>	Member	<u>Carsten Lampe (CL)</u>	<u>ISFH</u>	Member	<u>Thomas Althaus (TA)</u>	<u>Ritter Energie</u>	Applicant	<u>Harald Poschamig (HP)</u>	<u>GREENoneTEC</u>	Member	<u>Stephan Fischer (SF)</u>	<u>IGTE</u>	Member	<u>Norbert Rohde (NR)</u>	<u>KBB</u>	Member	<u>Korbinian Kramer (KK)</u>	<u>ISE</u>	Member	<u>Matteo Sartori (MS)</u>	<u>KIWA</u>	Member	<u>Daniele Bernacchioni (DB)</u>	<u>ICIM</u>	None	<u>Ioannis Alexiou (IA)</u>	<u>DQS Hellas</u>	Applicant	<u>Andreas Bohren (AB)</u>	<u>SPF</u>	Member	<u>Charlotte Ehn (CE)</u>	<u>RISE</u>	None (Host)	<u>Colin Xie (CX)</u>	<u>Intertek</u>	None	<u>Cai Zhou (CZ)</u>	<u>TUV Shanghai</u>	None	<u>Harald Drück (HD)</u>	<u>IGTE</u>	Member (Chair)	<u>Shawn Martin (SM)</u>	<u>ICC-SRCC</u>	Member (Manager)	
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	<p><i>HD summarized the schedule and noted that AK will provide a presentation re: Task 57</i></p> <p><i>CT requested moving #18 before 11:30 AM</i></p> <p><i>SM distributed Rev5 of the agenda (Document GSC_N0071.R5).</i></p> <p><i>HD provided a short introduction to GSCN</i></p>	
2	<p>MINUTES OF LAST MEETING / SM</p> <p><i>Minutes from Meeting #6 in Madrid presented for approval.</i></p> <p><i>Approved unanimously.</i></p>	<p>GSC_N0068.R0-ReportMadrid.docx</p>
	<p>MINUTES OF LAST BOARD MEETING CONDUCTED 26 NOVEMBER, 2018/SM</p> <p>Composition of officers:</p> <p><i>Manager: Shawn Martin</i> <i>Chair: Harald Drück</i> <i>Vice Chair: Les Nelson</i> <i>Treasurer: He Tao</i></p> <p><i>SM reviewed meeting minutes. No changes. SM to post to website and distribute</i></p>	<p>GSC_N0070.R0-Report18BoardMeeting</p>
3	<p>STATUS OF GSCN MEMBERSHIP /SM</p> <ul style="list-style-type: none"> • List of observers / informal members • Formal members • Applicants <p><i>SM to Remove TiSun as they are no longer operational</i></p> <p><i>SS recommended adding the applicable certification scheme for each CB to the membership and applicant lists. LN noted the differences in the approach for certification schemes between the US and EU. Approved unanimously.</i></p>	<p>http://gscn.solar/members/members.html</p> <p>http://gscn.solar/members/applicants.html</p>

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4		<p>BOARD MEMBERSHIP / HD</p> <p><i>HD: Reviewed the current board members for the mfg, CB and TB categories in each of the continental areas.</i></p> <p><i>The group brainstormed possible members who could be recruited in the categories and regions not currently represented.</i></p> <p><i>HD: Noted one empty slot for a Manufacturer member from Europe. Mr. Harry Sammler was nominated for the position. He was approved by unanimous vote.</i></p>	See current board membership table below.																																												
		<p>Board of Directors (BOD)</p> <table border="1" data-bbox="451 803 1837 1234"> <thead> <tr> <th></th> <th>Africa & MENA</th> <th>Asia</th> <th>Europe</th> <th>North America</th> <th>Oceania</th> <th>Central & South America</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Manufacturer</td> <td></td> <td>Xiaowen Zhou (Beijing TUS)</td> <td>Harald Poschamig³ (GoT)</td> <td></td> <td>Jeremy Osborne</td> <td></td> </tr> <tr> <td></td> <td>Qingtai Jiao (Sunrain)</td> <td>Harry Michalopoulos (Sammler)</td> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="2">Certification Body</td> <td></td> <td>Xiaochao Tong (CABR)</td> <td>Sören Scholz (DIN CERTO)</td> <td>Les Nelson² (IAPMO)</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Lin Jiali (CGCC)</td> <td></td> <td>Shawn Martin⁵ (SRCC)</td> <td></td> <td></td> </tr> <tr> <td>Test Lab</td> <td></td> <td>He Tao⁴ (CABR)</td> <td>Harald Drück¹ (IGTE)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>James Huang (Intertek)</td> <td>Korbinian Kramer (ISE)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>1: Chair 2: Vice Chair 3: Secretary 4: Treasurer 5: Manager</p> <p>Red indication means no formal membership</p> <p>Manufacturers</p> <ul style="list-style-type: none"> • SM to seek US mfgs. • HD contacted Modulo (Mexico) 		Africa & MENA	Asia	Europe	North America	Oceania	Central & South America	Manufacturer		Xiaowen Zhou (Beijing TUS)	Harald Poschamig ³ (GoT)		Jeremy Osborne			Qingtai Jiao (Sunrain)	Harry Michalopoulos (Sammler)				Certification Body		Xiaochao Tong (CABR)	Sören Scholz (DIN CERTO)	Les Nelson ² (IAPMO)				Lin Jiali (CGCC)		Shawn Martin ⁵ (SRCC)			Test Lab		He Tao ⁴ (CABR)	Harald Drück ¹ (IGTE)						James Huang (Intertek)	Korbinian Kramer (ISE)	
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		<ul style="list-style-type: none"> • SM to contact other Mexico companies and Marisol for more suggestions • SM to contact Colombian, Chile mfgs. • SF to contact Rheem • SM to contact BOSS • SF to contact Sunrain for membership <p>Labs</p> <ul style="list-style-type: none"> • SM to contact ANTL • SM, HD to contact test labs in Mexico <p>CBs</p> <ul style="list-style-type: none"> • Global Mark possible Oceania representative on board upon approval 	
5	x	<p>QUALITY ASSURANCE COMMITTEE /SF</p> <p>Review of current QAC membership /SM</p> <p><i>SM: Provided an overview of the current members and role of the QAC.</i></p> <p>QAC Elections/HD</p> <p><i>HD: Noted that with SM taking on the role of Manager, a new chair was needed for the QAC. SF was nominated as chair and was approved unanimously.</i></p> <p><i>LN was nominated to fill an open slot in the QAC in North America, and was approved unanimously.</i></p>	See current QAC membership table below.

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		<p>Quality Assurance Committee (QAC)</p> <table border="1"> <thead> <tr> <th></th> <th>Africa & MENA</th> <th>Asia</th> <th>Europe</th> <th>North America</th> <th>Oceania</th> <th>Central & South America</th> </tr> </thead> <tbody> <tr> <td>Certification Body</td> <td></td> <td></td> <td>Sören Scholz</td> <td>Shawn Martin</td> <td></td> <td></td> </tr> <tr> <td rowspan="3">Test Lab</td> <td></td> <td>Zheng Ruicheng</td> <td>Carsten Lampe</td> <td>Les Nelson -</td> <td></td> <td></td> </tr> <tr> <td></td> <td>He Zhenan</td> <td>Stephan Fischer¹</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Stefan Mehnert</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>1: Chair</p> <p>Red indication means no formal membership</p> <p>QAC Working Rules and Procedures /SF</p> <p><i>SF proposed the following revisions to the working rules to clarify the voting requirements for the QAC, and the routing of approvals granted.</i></p> <p>4.2 Decision The QAC will confirm the validity of submitted information <u>by simple majority of the QAC members</u> within four weeks of receiving the application will submits its <u>recommendation decision</u> to the Board <u>Officers and the manager, which will then give its decision to the Manager</u>. If the decision is positive, then the GSCN Manager will inform the Certification Body or Inspection Body and the recognized members will be updated in the GSCN Website.</p> <p>If the decision is not positive, the <u>Board QAC</u> will give the reasons, <u>inform the Board</u> and may ask for more information or may ask for an assessment. If the applicant agrees to an assessment, it will take place within a period of one month.</p> <p><i>The changes to the working rules were approved unanimously.</i></p>		Africa & MENA	Asia	Europe	North America	Oceania	Central & South America	Certification Body			Sören Scholz	Shawn Martin			Test Lab		Zheng Ruicheng	Carsten Lampe	Les Nelson -				He Zhenan	Stephan Fischer ¹						Stefan Mehnert				
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6	x	<p>GSCN FINANCES</p> <p>Presentation of economy status</p> <p><i>SM presented and summarized the current economy status.</i></p> <p>Transfer of bank account/ Register the Global Solar Certification Network as a non-profit international association based on the current GSCN working rules? Discussion / Decision</p>	GSC_N0065.R3_EconomyStatus-2018-31-21																																	

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		<p>HD summarized the current account hosting information. Possible to potentially host the account with SHE, but unclear if this will be approved. Unclear if activities are considered commercial activities with tax implications.</p> <p>LN researched in 2014 and figured out how to register as non-profit <u>organization</u> in Belgium, which is fairly simple. Logistics of becoming an international non-profit <u>organization</u> are very complicated. HD indicates that rules have changed in meantime (per PD) and many additional structures and activities will be required.</p> <p>HD noted that JE agreed to allow use of bank account through the end of the year, requesting 500 Euros annually, or 10% of balance <u>– whatever is less</u>. HD emphasized that this is a temporary solution. Seeking other solutions.</p> <p>HD proposed acceptance of JE’s proposal for period of two years. LN proposed drafting a short agreement outlining the terms (payable at the end of the calendar year). Unanimously approved.</p> <p>HD suggested avoiding registration as an organization that would increase overhead work with little benefit.</p> <p>SM noted JE’s payment of the website fees. SM proposed providing GSCN supporting membership in recognition. Unanimously approved.</p>	
7		<p>GSCN WORKING RULES (MAIN PART)</p> <p>Proposals for revisions / Proposals for resolutions?</p> <p>None</p>	GSC_N0001.R27
8	x	<p>GSCN WORKING RULES ANNEX A: REQUIREMENTS FOR CERTIFICATION BODIES, INSPECTION BODIES / INSPECTORS AND TEST LABS</p> <p>Clarify requirements for ”an updated list of qualified or approved inspectors” /SF</p> <p>SS expressed support for providing the current information on inspectors in order to assess inspector qualifications. No changes to Annex A were proposed.</p>	GSC_N0001A.R9

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	<p>Discuss the acceptance of inspection bodies approving inspectors under ISO 17065 and the relationship to ISO 17020 accreditation requirements /SM</p> <p><i>SM described confusion regarding the acceptance of inspection bodies under the GSCN where they approve inspectors under ISO 17065. SRCC requires that all external third party inspectors be accredited to ISO 17020. The group reaffirmed the right of CBs to set requirements for the acceptance of inspectors. No changes to Annex A were proposed.</i></p> <p>Proposals for revisions / Proposals for resolutions?</p> <p><i>No additional proposals.</i></p>	
9	<p>GSCN WORKING RULES ANNEX B1: COLLECTOR DATA SHEET TEMPLATE</p> <p>Proposals for revisions / Proposals for resolutions?</p> <p><i>SF questioned whether the document should be updated to 2017 version of ISO 9806. Noted also changes to parameters. SM indicated that SRCC 100 still reference ISO 9806-2013 and will not be update to 2017 this year.</i></p> <p><i>HD proposed using latest SKN datasheet and delete aperture area in the place of the current Annex B1 document. Unanimously approved. SM to seek approval from SKN.</i></p>	GSC_N0001B1.R7
10	<p>GSCN WORKING RULES ANNEX B2: INSPECTION REPORT TEMPLATE</p> <p>Proposals for revisions / Proposals for resolutions?</p> <p><i>None</i></p>	GSC_N0001B2.R5
11	<p>GSCN WORKING RULES ANNEX C1: REQUIREMENTS FOR FACTORY PRODUCTION CONTROL</p> <p>Proposals for revisions / Proposals for resolutions?</p>	GSC_N0001C1.R5

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		None	
12	x	<p>GSCN WORKING RULES ANNEX D: FEES</p> <p>Add language addressing the handling of non-payment of annual fees. /SM</p> <p><i>HD and SM to draft language for non-payment for consideration</i></p> <p>Proposals for revisions / Proposals for resolutions?</p> <p><i>HD proposed continuation of 2019 fees through the end of 2020 at the same level. Unanimously approved.</i></p>	GSC_N0001D.R1
		<p>GSCN WORKING RULES ANNEX F: GSCN FINANCE POLICY</p> <p>Proposals for revisions / Proposals for resolutions?</p> <p>None</p>	GSC_N0001F.R3
13	x	<p>GSCN WORKING RULES ANNEX E: TEMPLATE FOR SIGNING UP FOR THE GLOBAL SOLAR CERTIFICATION NETWORK / SM</p> <p>Rename from "Template" to "Application Form" and revise per DRAFTN001E.R3</p> <p><i>Document accepted, split into three documents CB, IB, Labs and one for mfgs and one for supporters. Structure web page accordingly. SM to submit all documents to Board for approval prior to posting.</i></p> <p>Proposals for revisions / Proposals for resolutions?</p> <p><i>No other proposals.</i></p>	GSC_N0001E.R2
14		<p>GSCN MARK AND CERTIFICATE USE</p> <p>Proposals for revisions / Proposals for resolutions?</p>	GSCN Mark

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		<p><i>Include topic in future agendas “Misuse of the Mark” Members noting such misuse should report this to the chair or manager. LN proposed the development of procedures and a “Cease & Desist” letter. LN to develop first draft for consideration.</i></p>	
15	x	<p>STATUS OF WEBSITE / SM</p> <p>Add information on board members?/SM</p> <p><i>SM questions whether the names of board members should be added to the website. Unanimous decision made that addition of board members and officers was not necessary.</i></p> <p>Current membership table has a name, but no contact information for the contact person. Continue in this way?/SM</p> <p><i>SM asked whether contact information should be added for the contact person in the member and applicant tables. He noted that adding an e-mail could result in significant spam. Unanimous decision made to omit e-mail contacts, as a website link is provided for each member.</i></p> <p>Other changes or additions to the website?</p> <p><i>No other changes proposed.</i></p>	<p>www.gscn.solar</p>
16	x	<p>PROMOTION OF GSCN / HD</p> <p>Cooperative Project with Bärbel Epp</p> <p><i>HD indicated project not yet started.</i></p> <p>GSCN Mailing list</p> <p><i>HD called for the creation of a mailing list for interested parties. SM proposed creation of such a list using MailChimp, add link to website to opt-in, notify SKN</i></p>	

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		<p>members. First mailing – one-page document regarding the GSCN. HD to draft. No objections.</p>	
17	x	<p>ALLIANCE BETWEEN GSCN AND SOLAR HEATING INITIATIVE (30 MIN)</p> <p>Presentation / SS, SA</p> <p><i>SS and SA provided a presentation outlining several options for collaboration between the GSCN and SHI, principally the use of the Solergy Label. Following the presentation, there was a discussion of the proposed collaborations.</i></p> <p><i>HD summarized the options as follows:</i></p> <ol style="list-style-type: none"> 1. Leave it 2. Accept as-is 3. Develop common approach <p><i>A straw poll indicated a slight majority favored option 3.</i></p> <p><i>SS: Possible to collect feedback to improve the system? HD possible to form a working group to discuss options and report back? Yes. Participants: HP, KK, SA, SS, SM, HD, TA (chair – SA) Assigned to SA as WG chair for scheduling, etc.</i></p>	<p>GSC_N0072.R0-Alliance between GSCN and SHI</p>
18	x	<p>GLOBAL CERTIFICATION SCHEMES</p> <p>Opportunities for Alignment of Certification Program Requirements</p> <ul style="list-style-type: none"> ○ SRCC – Standard 100 and 300 /SM <p>Saudi Arabian Certification Program SASO/KK</p> <p><i>CT Saudi Arabian program application unclear since it requires the submission of information on performance per local weather data. Some certification schemes that are difficult to apply to are not currently members of the GSCN.</i></p> <p><i>HP said that they are attempting to obtain this certification with TUV Rheinland, which is the only approved test lab at present.</i></p>	<p>zGSC_N002I.R0.docx</p> <p>SRCC Standard Project https://www.iccsafe.org/codes-tech-support/codes/code-development-process/is-stsc/</p> <p>Saudi Organizations Ministry of Commerce & Investment (MCI) Ministry of Energy, Industry & Mineral Resources (MEIM),</p>

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	<p><i>HD recommends approaching the organization to invite participation in GSCN. HP indicates difficult to contact. SASO started in 8/2018. Difficulty with customs, but lack of awareness among other government bodies. Few external communications regarding the changes to the scheme.</i></p> <p><i>PD indicated that SHE has members who have discussed and have written a formal letter to the organizations on the right to express concern regarding the online system and changes to the program. No answers received to date. Letter requests changes to the scheme to address the problems noted.</i></p> <p><i>CT recommends sharing this letter with the members of the GSCN.</i></p> <p><i>KK indicated that Fraunhofer was previously accepted, but with the changes to the scheme, this was ended. KK noted SASO rules call for the execution of MRAs with other global CBs.</i></p> <p><i>SM to send official letter to SASO to invite and to request a meeting. HP to provide contacts as well. Letter should inform SASO of the GSCN and invite for a meeting.</i></p> <p>Potential update and use of Annex I</p> <p><i>HP has created a list of certification schemes globally and a summary of the requirements. HP to provide for distribution to members and addition/revision. ("Global List"). SM to compile comments, etc. To be internal document for the use of members only.</i></p>	<p>Saudi Standards, Metrology & Quality Organization (SASO) Saudi Energy Efficiency Center (SEEC)</p>
19	<p>MEETINGS 2019</p> <ul style="list-style-type: none"> • GSCN meeting: March 7th 9:00 – 13:00 (now) • IEA SHC Task 57: ended 31/12/18 - hence no meeting • ExCo meeting: • ISES SWC and SHC, Santiago, Chile 04.-07.11.19 • Others ISO TC 180 – when and where <p>MEETINGS 2020</p>	

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		<ul style="list-style-type: none"> • SKN-Meeting: Mach 10 + 11, Tunis, Tunisia • TC312-Meeting, March 11, afternoon, Tunis, Tunisia • GSCN, March 12, Tunis, Tunisia <p><i>SM to schedule GSCN Board Meeting. When is the next ISO TC 180 meeting? Chile- , most probably around 04.-07.11.19</i></p> <p><i>Next GSCN meeting 12 March 2020 Tunisia. Team up with SHAMCI. Full day meeting proposed. No opposition to the proposed meeting dates and locations.</i></p>	
20		<p>NEW BUSINESS</p> <p><i>All participants encouraged to promote GSCN certification.</i></p>	
13:00		<p>END OF MEETING</p> <p><i>Note: A Task 57 follow-up meeting will take place in the afternoon</i></p>	
13:00-14:00		<p><i>Optional common lunch</i></p>	

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Attendees:

Name	Organization	Status
Harry Michalopolous (HM)	Sammler	Member
Stefan Abrecht (SA)	Solar Heating Initiative	Applicant
Sören Scholz (SS)	DIN CERTO	Member
Les Nelson (LN)	IAPMO	Member
Carsten Lampe (CL)	ISFH	Member
Thomas Althaus (TA)	Ritter Energie	Applicant
Harald Poscharnig (HP)	GREENoneTEC	Member
Stephan Fischer (SF)	IGTE	Member
Norbert Rohde (NR)	KBB	Member
Korbinian Kramer (KK)	ISE	Member
Matteo Sartori (MS)	KIWA	Member
Daniele Bernacchioni (DB)	ICIM	None
Ioannis Alexiou (IA)	DQS Hellas	Applicant
Andreas Bohren (AB)	SPF	Member
Charlotte Ehn (CE)	RISE	None (Host)
Colin Xie (CX)	Intertek	None
Cai Zhou (CZ)	TUV Shanghai	None
Harald Drück (HD)	IGTE	Member (Chair)
Shawn Martin (SM)	ICC-SRCC	Member (Manager)

Quality Assurance Committee (QAC)

	Africa & MENA	Asia	Europe	North America	Oceania	Central & South America
Certification Body				Shawn Martin		
			Sören Scholz	Les Nelson -		
Test Lab		Zheng Ruicheng	Carsten Lampe			
		He Zinian	Stephan Fischer ¹			
			Stefan Mehnert			

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1: Chair

Red indication means no formal membership

Board of Directors (BOD)

	Africa & MENA	Asia	Europe	North America	Oceania	Central & South America
Manufacturer		Xiaowen Zhou (Beijing TUS)	Harald Poscharnig ³ (GoT)		Jeremy Osborne	
		Qingtai Jiao (Sunrain)	Harry Michalopolus (Sammler)			
Certification Body		Xiaochao Tong (CABR)	Sören Scholz (DIN CERTO)	Les Nelson ² (IAPMO)		
		Lin Jiali (CGCC)		Shawn Martin ⁵ (SRCC)		
Test Lab		He Tao ⁴ (CABR)	Harald Drück ¹ (IGTE)			
		James Huang (Intertek)	Korbinian Kramer (ISE)			

1: Chair

2: Vice Chair

3: Secretary

4: Treasurer

5: Manager

Red indication means no formal membership