



Minutes of the 27th Solar Keymark Network WEB meeting

Meeting time:

Tuesday, October 22nd, 2019, 9:00 - 12:00

Wednesday, October 23rd, 09:00 - 12:00

Meeting location:

Web meeting, hosted by Solar Heat Europe



1	<p>Opening of the meeting /AB</p> <ul style="list-style-type: none"> • Welcome to the 27th Solar Keymark Network (SKN) meeting. • Thanks to SHE/ESTIF for organising, managing and hosting the web meeting and online voting. • The agenda of this meeting is "SKN-N0470R1_Agenda27_web" (sent out on 8th October 2019) – slight modifications were proposed and unanimously accepted in terms of the sequence of specific Items. • Applicable Internal Regulations (IR) for this SKN meeting is: "SKN_N0102R19_InternalRegulations", approved by the SKN on 2018-10-23. • Applicable Sheme Rules (SRs) for this SKN meeting is "SKN_N0444R1_SK_Scheme Rules", valid from 2019-03-07 • Reminder: Resolution and Decision Resolutions are decisions to be implemented in the Solar Keymark (SK) specific Scheme Rules (SR) (document SKN_N0444RX) and the SKN IR (document SKN_N0102RX). <ul style="list-style-type: none"> – Modifications of the SR (incl. Annexes) must be approved by the Keymark Management Organisation KMO (DIN CERTCO). This procedure may take maximum 4 weeks (thus: max 2 weeks for the submission to KMO + max 2 weeks for KMO feedback) . – Modifications of the IR need no external approval and enter into force upon approval of the resolution by the SKN. • Decisions concern any other decisions of the SKN (e.g. formation of a WG, financial issues, elections, etc.). <ul style="list-style-type: none"> – Decisions are included in the latest version of the SK Decision list (document SKN_N0100RX) and enter into force upon approval of the Decision by the SKN. • Reminder: Voting Rules According to "SKN_N0102R19_InternalRegulations" § 8.3: <ul style="list-style-type: none"> – <i>"For any decision, a simple majority of all the voters plus a simple majority of the peer groups (50 % majority within peer group) is required.</i> – <i>Changing the SK Internal Regulations requires a positive vote of a 2/3 majority of all the voters and in all peer groups a positive vote of a 2/3 majority of the peer groups.</i> – <i>Proposals for changing the SK Scheme Rules require a 2/3 majority of all voters.</i> – <i>In all other issues of the agenda, a simple majority of the votes is necessary to make a decision.</i> – <i>A 2/3 majority of any peer group can claim to postpone a decision to the next SN meeting.</i> – <i>A 2/3 majority of the votes of a peer group can veto a decision. Abstentions are not counted."</i> Peer Groups (PGs) as defined in "SKN_N0102R19_InternalRegulations" §8.2 are: A: Certification Bodies (CBs) , B: Test Labs (TLs) and Inspection Bodies (IBs), C: Industry. • According to "SKN_N0449R1_26th-Meeting-Minutes_Stockholm" was intended to be checked the need or/and modification of "SKN_N0426R1_NonCompetition" for SKN. The issue is postponed for the next meeting. "SKN_N0426R1_NonCompetition" is applicable for this meeting. Andreas Bohren (AB) stressed that off-the-record conversation is strictly prohibited and that pricing policies and fees are out of scope of this document. <p>Documents: SKN N0470R1 Agenda27 web SKN N0102R19 InternalRegulations SKN N0449R0 26th Meeting DraftMinutes Stockholm SKN_N0426R1_NonCompetition</p>
2	<p>Participation in the meeting</p> <ul style="list-style-type: none"> - There are 19 listed TLs / IBs. Present in the meeting: 18. Not present in the meeting: 1 (TUV Rheinland /CN) - There are 12 listed CBs. Present in the meeting: 10. Not present in the meeting: 2 (CERTIF/PT, MIRTEC /GR)

	<p>- Industry and national associations representatives: 6</p> <p>Important: An obligatory member should participate in not less than 75% of meeting votings, in order to be considered as “participant”. SKN Chairman, SKN Manager and SKN Secretary have no voting rights Considering the above the voting requirements for this meeting were fulfilled. Vassiliki Drosou (VD) will send a relevant letter to the obligatory members that didn’t participate in the meeting.</p>
3	<p>Introduction of participants /All</p> <ul style="list-style-type: none"> No participant introduction was performed in order to save time The list of attendees can be found at the end of the minutes – the list of attendees was elaborated based on the information given by the participants upon their subscription for the meeting and the data of SKN 480R0_SKN27_Voting-Final. <p>Document: SKN N0480R0 SKN27 Voting-Final</p>
4	<p>Approval of the agenda /All</p> <p>Agenda was approved, without voting. No objections from the Network.</p> <p>Document: SKN N0470R1 Agenda27 web</p>
5	<p>Comments to the minutes of the 26th SKN meeting /VD</p> <p>Two comment were received for SKN_N0449R0_26th Meeting Draft Minutes_Stockholm</p> <ol style="list-style-type: none"> Maria João Carvalho (on 2019-04-23), suggested to clarify which PG corresponds A, B and C. Action: At the end of the minutes was added: "<i>Categories of participants: A:CB, B:Test Lab & Inspection bodies, C: Industrial representatives</i>" Thomas Althaus (on 2019-04-16) e-mailed that "<i>Minutes do not reflect the discussion and votes in Item 15 on the agenda. According to my notes, there was first a vote on the proposal, but it was rejected. Only then did the discussion and vote take place as described. I would therefore ask that the first vote be recorded in the Minutes.</i>" Action: In Item 15 of the minutes was added: "<i>For this Item a first vote was initiated but was stopped in the middle and restarted just after. A discussion took place between the first opening of the vote and the actual vote. The voting result represents the outcome of the final vote.</i>" <p>Considering these two changes the new version R1 of the minutes SKN_N0449R1_26th Meeting Draft Minutes_Stockholm, was available. A voting took place in order to approve it.</p> <p>M27.D1 Proposal for Decision: SKN_N0449R1_26th Meeting Draft Minutes_Stockholm is approved"</p> <p>Voting result:</p> <p>PG-A: 8 Yes 0 No 0 Abstentions (100%) PG-B: 16 Yes 0 No 0 Abstention (100%) PG-C: 5 Yes 0 No 0 Abstention (100%) Total: 29 Yes 0 No 0 Abstention (100%)</p> <p>All voting requirements for decisions are fulfilled: The decision is approved by the SKN.</p>

	<p>Documents: SKN_N0449R0_26th Meeting DraftMinutes_Stockholm SKN_N0449R1_26th Meeting Draft Minutes_Stockholm</p>
6	<p>Review of Decision list / VD No open items were identified where action is required. VD refer that 3 Resolutions by correspondence were approved between the 26th and 27th SKN meeting (period from March 2019 to October 2019) as shown here after in Documents session. All the modifications caused by the approved R1, R2 & R3 have already done. Annex P1 was affected by R1 so as Annex P1 Collectors EN 12975General R2 / Edition 2019-04-15 is applicable. <i>Scenocalc</i> software was affected by R2 and R3. Applicable version is ScenoCalc tool v 6.1 (September 2019), and relevant documentation Description of ScenoCalc v6.1 (September 2019) and Revision history (September 2019)</p> <p>Documents: SKN N0100R25 DecisionList Annex P1 Collectors EN 12975General R2 / Edition 2019-04-15 SKN_N0467R0 Document-change-application for R1 2019 by correspondence Annex P1 R2 SKN_N0468R0 Document-change-application for R2.2019 by correspondence Aperture area in Scenocalc SKN_N0469R0 Document-change-application for R3.2019 by correspondence Addition na to the Scenocalc Datasheet on a proposed way Description of ScenoCalc v6.1 (September 2019) Revision history (September 2019)</p>
7	<p>Absences from 26th meeting / AB & VD Considering the following: Demokritos /GR : Feedback received as given in SKN N0472R0_NCRS Demokritos absence from 26th meeting ENEA/IT; feedback received by Vincenzo Sabatelli: absence due to health problems of Dr. V.K. Sharma. INTA/ES: Feedback received by Rosa M^a Rengel Gálvez: suspension of INTA organization from the SKN. TSU Piestany/SK, Feedback received by Ján Barančík; "Joker absence" option CERTIF/PT: Feedback received by João Santos: Absence due to a health problem that culminated in an abdominal surgery and to a medical leave of absence from office for nearly two months. MIRTEC /GR: Feedback received by Nikos Kanatsoulis: no valid Solar Keymark certificates and therefore no ability to afford to make travel expenses for a zero income activity.</p> <p>AB called MIRTEC /GR to come up with a suggestion for CBs with limited action on SK, possibly related to reduced requirements for very small TL/CBs. A voting took place in order to decide on the justified absence of Demokritos, ENEA and CERTIF from 26th meeting due to emergency reasons.</p> <p>M27.D2 Proposal for Decision: <i>"Justified absence of Demokritos, ENEA and CERTIF from 26th meeting due to emergency reasons"</i></p> <p>Voting result: PG-A: 9 Yes 0 No 0 Abstentions (100%)</p>

	<p>PG-B: 17 Yes 0 No 0 Abstention (100%) PG-C: 5 Yes 0 No 0 Abstention (100%) Total: 31 Yes 0 No 0 Abstention (100%)</p> <p>All voting requirements for decisions are fulfilled: The decision is approved by the SKN. In this aspect no absence fee will be charged for Demokritos, ENEA and CERTIF. "Joker absence" is considered for TSU Piestany/SK and MIRTEC /GR.</p> <p>Documents: SKN N0472R0 NCRS Demokritos absense from 26th meeting</p>
8	<p>Dates and places of next meeting(s) /AB, VD</p> <ul style="list-style-type: none"> - 28th meeting: 2020 - March 10th, 13:00-18:00 and March 11th 09:00-13:00, Tunis, Tunisia (hosted by CTMCCV) - 29th meeting: 2020 - October 20th, 09:00 - 12:00 and October 21st, 09:00 - 12:00 <i>Web Meeting</i> - 30th meeting: 2021 - March 9th, 13:00-18:00 and March 10th, 09:00 - 13:00 – Athens, Greece (hosted by EBHE) - 31st meeting: 2021 - October 19th, 09:00 - 12:00 and October 20th, 09:00 - 12:00 <i>Web Meeting</i> <p>Draft program of the meetings planned to be held in conjunction with 28th SKN, in the week 9th – 12th of March in Tunis, in intended to be sent latest by the end of November 2019.</p>
9	<p>Priorities for the 11th SCF call/ H. Drück SKN_N0476R2_Priorities11SCF was circulated before the meeting to SKN. Suggestions and inputs during the meeting were discussed so as SKN_N0476R2_Priorities11SCF was formulated.</p> <p>M27.D3 Proposal for Decision: <i>"The SCF applications recommend by the Solar Certification Fund Steering Group for funding as described in document "SKN_N0476R2_Priorities11SCF", are accepted and the corresponding activities will be funded."</i></p> <p>Voting result:</p> <p>PG-A: 6 Yes 0 No 1 Abstentions (100%) PG-B: 16 Yes 0 No 0 Abstention (100%) PG-C: 6 Yes 0 No 0 Abstention (100%) Total: 28 Yes 0 No 1 Abstention (100%)</p> <p>All voting requirements for decisions are fulfilled: The decision is approved by the SKN.</p> <p>Document: SKN_N0476R2_Priorities11SCF</p>
10	<p>Update on SK Scheme Rules /AB Applicable Sheme Rules (SRs) for this SKN meeting is "SKN_N0444R1_SK_Scheme Rules", valid from 2019-03-07</p> <p>Document: SKN_N0444R1_SK_Scheme Rules</p>

11	<p>SKN fees and budget for 2019 / 2020 and other financial issues / PD Pedro Dias (PD) present the budget for 2010 as of SKN_NO486R0_SKN27_Budget.</p> <p>M27.D4 Proposal for Decision: <i>"The budget for 2020 is approved by the SKN as of SKN_NO486R0_SKN27_Budget"</i></p> <p>Voting result: PG-A: 7 Yes 0 No 2 Abstentions (100%) PG-B: 15 Yes 0 No 1 Abstention (100%) PG-C: 5 Yes 0 No 1 Abstention (100%) Total: 27 Yes 0 No 4 Abstention (100%)</p> <p>All voting requirements for decisions are fulfilled: The decision is approved by the SKN.</p> <p>Document: SKN_NO486R0_SKN27_Budget</p>
12	<p>Annex E Revision / AB No input - Postpone for the next meeting</p>
13	<p>Update on SKN task Force on taxation matters (M22.D10) / PD No input - Postpone for the next meeting</p>
14	<p>Data Sheet, SAHC / K. Kramer K. Kramer mentioned that air heating collector is used in the same way as common flat plate collectors. Due to limited interest from the market on this issue no further action/revision is planned.</p>
15	<p>Report from SK Database WG on Database and IT infrastructure / G.v. Amerongen, PD Update on the subject according to the SKN_NO489R0_SK database Status report 19 10 2019 GvA document. Related to the new SKN database access and based on SKN_NO477R0_Draft proposal data access DBF, G. van Amerongen, suggested the following proposal for decision:</p> <p>Proposal for decision: Access to the data is granted only to specific organisations. Decisions on granting access or withdrawing access to the data are made by a representation of the SKN, consisting of the Solar Keymark chairperson, the Solar Keymark manager, the Solar Keymark secretariat and the KEYMARK Management Organization (=KMO). This group reports in each SKN meeting on the accesses granted or withdrawn, the motivation for the requests and the arguments for granting the access. Requests for granting access can be done by any organization and are submitted to the Solar Keymark secretariat"</p> <p>It was suggested to postpone the decision and to establish a WG for the preparation of a proposal for decision (or resolution) mainly focused on the clarification of access procedure.</p> <p>M27.D5 Proposal for Decision: <i>"Postpone the decision and establish a WG for the elaboration of the proposal"</i></p> <p>Voting result: PG-A: 8 Yes 0 No 1 Abstentions (100%)</p>

	<p>PG-B: 15 Yes 0 No 2 Abstention (100%) PG-C: 4 Yes 1 No 0 Abstention (100%) Total: 27 Yes 1 No 3 Abstention (100%)</p> <p>All voting requirements for decisions are fulfilled: The decision is approved by the SKN.</p> <p>Members of WG: S. Scholz (head), P. Dias, S. Fischer, A. Bohren, S. Mehnert, G. van Amerongen. WG is expected to submit a proposal for a decision (or resolution) to be taken by correspondence, within one month.</p> <p>Document: SKN N0477R0 Draft proposal data access DBF SKN N0489R0 SK database Status report 19 10 2019 GvA</p>
16	<p>DST-SolTherm (SCF 9C03_1) project / G.v. Amerongen G. van Amerongen informed SKN that the project DST-SolTherm is expected to have been finished by the next SKN meeting in March 2010. Update on the subject according to the following document</p> <p>Document: SKN N0488R0 SCF 9C03_1 DST-SolTherm 19 10 2019 GvA</p>
17	<p>DST-Extension-Qnonsol (SCF 10C10 DST) project / G.v. Amerongen Update on the subject according to the following document</p> <p>Document: SKN N0487R0 SCF 10C10 DST-Extension-Qnonsol</p>
18	<p>SK-Scope-vAc (SCF 9C02.1) project / G.v. Amerongen Update on the subject be means of a presentation</p> <p>Document: Presentation not provided</p>
19	<p>Report on Update on 10 % Rules WG /S. Fischer S. Fisher mentioned that no significant new data is to be reported.</p>
20	<p>ScenoCalc update / P. Ollas Update on the subject according to the document SKN N0473R2_ScenoCalc_v6.1 - 27th Meeting_v2. P. Ollas refer that a new version was released on September 2019. Applicable version is ScenoCalc tool v 6.1 (September 2019), and relevant documentation Description of ScenoCalc v6.1 (September 2019) and Revision history (September 2019). P.Ollas will continue as Scenocalc responsible person for corrections and modifications.</p> <p>Document: SKN N0473R2 ScenoCalc v6.1 - 27th Meeting v2 Description of ScenoCalc v6.1 (September 2019)</p>

	Revision history (September 2019)
21	<p>Proposal on refining definition of 10 years validity / KMO, EkTSUB A.Bohren presented SKN_NO490R0_10 years validity problem. S. Scholz mentioned that a feedback for this issue should be expected by the responsible body thus the CB working group –The item will re-examined in the next meeting.</p> <p>Document: SKN_NO490R0_10 years validity problem</p>
22	<p>Certification issues related to exports / A. Kraidy, PD No update</p>
23	<p>How to deal with “as” parameter in the new standard / AB Update on the subject according to the following document.</p> <p>Document: SKN_NO491R0_a5 Slide</p>
24	<p>Information related with the Tunisia 2020 March meetings / V. Stauber V. Stauber, is the Project Coordinator of the Certification Component of Physikalisch-Technische Bundesanstalt (PTB) project “<i>Strengthening Quality Infrastructure for Solar Thermal Energy</i>”. Through this project PTB will support the Tunisian stakeholders for hosting next SKN meeting in Tunis, partly funded by German development cooperation.</p> <p>V. Stauber shortly updated on the program for the week 9th – 13th March 2020. She mentioned that a “<i>Day for The Tunisian Industry and Laboratories</i>” is planned for the 9th of March 2020. More concrete information will be available in the mid of December upon her meetings with relevant Tunisian stakeholders. A draft version of the program will be available soon for SKN.</p>
25	<p>Proposal concerning how to handle standards transitions (ISO 9806:2017, EN 12976-1:2017 & EN 12976-2:2017) TÜV Nord Cyprus / G.Nikolaides Update on the subject according to the following document. A WG established in order to elaborate a relevant proposal, for voting by correspondence or during the next physical SKN meeting on March 2020. Members of WG: S. Scholz (head), A. Bohren, G.Nikolaides</p> <p>Document: SKN_NO492R0 How to handle standards transitions revision</p>
26	<p>Translation of thermal performance parameter's from ISO 9806:2013 to the new 2017 version / AB A.Bohren mentioned that SKN N0474R0_Thermal performance parameter conversion to the ISO9806-2017 is a supporting document available for use if needed, possibly for software or subsidy schemes, thus is not needed to be an SKN SRs Annex.</p> <p>Document: SKN N0474R0 Thermal performance parameter conversion to the ISO9806-2017</p>
27	<p>Remote factory inspection / U.Fritzsche Presentation of the subject according to the document SKN N0475R0_Proposal remote inspection method final. A relevant resolution were submitted for vote as follows :</p>

	<p>M27.R1 Proposal for Resolution: " The method of remote factory inspection is applicable for interim and follow up inspections under the following conditions:</p> <ul style="list-style-type: none"> • Within the period of validity of a certificate (5 years), maximum two remote inspections might be performed. • Two serial remote inspections are not allowed. • The use of the method remote inspection as well as the performing inspector has to be confirmed by the CB individually and in advance. • If former inspections had shown serious non conformities, the CB should deny the use of remote inspection method. • Initial inspections are excluded from remote inspection method. • This method is preliminary accepted for two years and will be evaluated in autumn meeting 2021 after discussion of gained experiences." <p>Voting result: PG-A: 4 Yes 4 No 1 Abstentions (100%) PG-B: 14 Yes 1 No 2 Abstention (100%) PG-C: 5 Yes 1 No 0 Abstention (100%) Total: 23 Yes 6 No 3 Abstention (100%)</p> <p>All voting requirements for decisions are fulfilled: The decision is approved by the SKN.</p> <p>Document: SKN N0475R0 Proposal remote inspection method final</p> <p>It was decided to include a relevant Item for discussion in the upcoming SKN meetings till the end of 2020, in order to discuss and evaluate experiences and problems created by the remote factory inspection method.</p>
28	<p>Proposal for Resolution concerning "Diffuse Angle modifier Kd" / M.J. Carvalho Presentation of the subject according to the documents SKN N478R1_Proposal Kd and SKN N0444_Annex P5.6 Calculation Kd ISO 9806 Annex B_R0</p> <p>M27.R2 Proposal for Resolution: "Approve the correction for the calculation of Kd"</p> <p>Voting result: PG-A: 5 Yes 0 No 5 Abstentions (100%) PG-B: 14 Yes 0 No 3 Abstention (100%) PG-C: 6 Yes 0 No 0 Abstention (100%) Total: 25 Yes 0 No 8 Abstention (100%)</p> <p>All voting requirements for decisions are fulfilled: The decision is approved by the SKN. Annex 5.6. is added to the scheme rules and shall be used from now on.</p> <p>Documents: SKN N478R1_Proposal Kd SKN N0444_Annex P5.6 Calculation Kd ISO 9806 Annex B_R0</p>
29	<p>Update on new/deleted labs/CBs (INTA, ECC/AFNOR) / VD V. Drosou updated that:</p>

	<ul style="list-style-type: none"> • INTA organization suspended from the SKN due to interruption of its relevant activities. S. Scholz refer that all CBs having a contract with INTA have to contact KMO. • AFNOR is not listed anymore in CB list in SKN site. • EUROVENT CERTITA CERTIFICATION (ECC) from France is listed in CB list in SKN site.
30	<p>Status of the PVT Working Group / U. Fritzsche Presentation of the subject according to the document SKN_N0444_Annex P5.1 PVT_R1</p> <p>M27.R3 Proposal for Resolution: "Annex P5.1 PVT_R1 is added to the scheme rules and shall be used from now on"</p> <p>Voting result: PG-A: 7 Yes 0 No 2 Abstentions (100%) PG-B: 17 Yes 0 No 0 Abstention (100%) PG-C: 4 Yes 0 No 1 Abstention (100%) Total: 28 Yes 0 No 3 Abstention (100%)</p> <p>All voting requirements for decisions are fulfilled: The decision is approved by the SKN.</p> <p>Document: SKN_N0444_Annex P5.1 PVT_R1</p>
31	<p>Thermodynamic collectors / Follow up on Decision M24.D8 /S. Scholz S. Scholz mentioned that is scheduled a web meeting for this issue – postpone for the next meeting</p>
32	<p>ValiCol (SCF) project / S. Abrecht Update on the subject according to the document</p> <p>Document: SKN_N0456R1 -Presentation-ValiColl-Abrecht-update.pdf</p>
33	<p>New Equivalent absorber coatings No input</p>
34	<p>New Equivalent glazing No input</p>
35	<p>New Equivalent insulation No input</p>
36	<p>Report/update on "Inter-laboratory Comparison - ILC on Data Analysis", SCF7 Project / AB Update on the subject according to the document SKN_N0493R0_ILC ResultsPublicFirst</p> <p>Document: SKN_N0493R0_ILC ResultsPublicFirst</p>
37	<p>Report on SHAMCI update / K. Salmi</p>

	<p>Update on the subject according to the document SKN_N503R0_SHAMCI Updates SKN -WM 2019</p> <p>Document: SKN_N503R0_SHAMCI Updates SKN -WM 2019</p>
38	<p>Update on energy labelling topics / PD Update on the subject be means of the following documents</p> <p>Documents: SKN_N0494R0_SKN27-Labeling-HARP-EPREL-r2 SKN_N0495R0_SKN27-SHE-SASO</p>
39	<p>Report Air Collectors WG / K. Kramer No input</p>
40	<p>Information from CEN Keymark Management Organization / K. Vehring No input</p>
41	<p>Update on complaints and Reports on misuse of Solar Keymark / S. Scholz S. Scholz mentioned that no significant input is to be reported on this issue. He informed about the Keymark workshop held the previous week and mentioned that relevant material and presentation will be available soon to share.</p>
42	<p>Report from CB Working group / S. Scholz No input</p>
43	<p>Solar Certification Fund Projects – General Status Reports / L.Mico Update on the subject be means of the following documents</p> <p>Documents: SKN_N0496R0_SKN27_SCF Project Update SKN_N0497R0_SKN27-Financial update</p>
44	<p>Update on Global Solar Certification Network / H. Drück Oral report, with main points:</p> <ul style="list-style-type: none"> - Increasing number of GSCN members - Call to join the Network - Next GSCN plenary meeting will be held in Tunis
45	<p>Update on standardisation CEN TC 312 / ISO TC 180 WG1 (VD) Oral report, with main points:</p> <ul style="list-style-type: none"> – Next CEN/TC312 plenary meeting will be held in Tunis – Update on "under elaboration" and "published" WIs – Update on WI 00312039 - FprEN 12975 FV outcome and CP consultant evaluation

	<p>– Update on prEN ISO 9488 rev: DIS draft is nearly ready. ISOMC asked to provide all the 3 languages together. Currently is the French version being elaborated by J.-M. Suter. After adjustment of this version to the definitive English DIS text, he will work out the German version. No end date can be given for the moment for the conclusion of the DIS preparation in the three languages.</p> <p>CEN/TC 312/WG1 and ISO/TC 180/WG4 (AB): Update on the subject according to the document SKN_NO499R0_SPF CEN TC 312</p> <p>Updates from Liaison officers:</p> <ul style="list-style-type: none"> ○ S.Fischer (IEC/TC117): Update on the subject according to the document SKN_NO500R0_LiasTC117 report TC180_SKNW October 2019 ○ K.Kramer (IEC/TC82) : Successful cooperation with IEC/TC82. K. Kramer was invited to join next WG2 meeting in Mississauga, Canada (28th Oct to 1st Nov 2019). ○ J.-M. Suter (TC164) Update on the subject according to the document SKN_NO501R0_Liaison TC164-WG2 - Update Oct.2019 - Suter ○ G.v.Amerongen (TC 228 and TC371): Update on the subject according to the document SKN_N502R0_SCF 10C13_3 Lias TC228-371 interim <p>Status for accreditation certificates on web</p> <p>Documents:</p> <p>SKN_NO499R0_SPF CEN TC 312</p> <p>SKN_NO500R0_LiasTC117 report TC180_SKNW October 2019</p> <p>SKN_NO501R0_Liaison TC164-WG2 - Update Oct.2019 - Suter</p> <p>SKN_N502R0_SCF 10C13_3 Lias TC228-371 interim</p>
46	<p>Update on solar heating and cooling market / PD</p> <p>Update on the subject according to the following document</p> <p>Document:</p> <p>SKN_NO498R0_SKN27-SHE_Market</p>
47	<p>Any other business</p> <p>No other business were discussed</p>
48	<p>End of meeting / AB</p> <p>The meeting was closed on Wednesday, October 23rd, 2019, 13:20. Thanks to all for participating in the meeting and for supporting solar thermal technologies.</p>

AB: Andreas Bohren, SPF, Chairman Solar Keymark Network, andreas.bohren@spf.ch

VD: Vassiliki Drosou, CRES, Manager of Solar Keymark Network, drosou@cres.gr

PD: Pedro Dias, Solar Heat Europe/ESTIF Secretary General, Administrative Secretary of Solar Keymark Network, pedro.dias@solarheateurope.eu

Categories of participants with voting rights: A: Certification bodies (CB)s, B: Test Lab & Inspection bodies, C: Industrial representatives

Participants in 27th SKN (WEB) meeting

Name		Organization	Type	Industry
Andreas	Bohren	SPF Insitute for Solar Technology	SKN Chairman - Test lab	
Vassiliki	Drosou	CRES	SKN Manager	
Pedro	Dias	SHE/ESTIF	SKN Secretariat	
Leopoldo	Mico	SHE/ESTIF	SKN Secretariat	
Ioannis	Alexiou	DQS HELLAS	Certification body	
Jan	Barancik	TSU Piestany, sp.	Certification body	
Daniele	Bernacchioni	ICIM S.p.A.	Certification body	
Charlotte	Ehn	RISE	Certification body	
Cheikh	Faye	ECC	Certification body	
George	Nikolaides	TUV CYPRUS	Certification body	
Lefteris	Pekas	TUV CYPRUS	Certification body	
Henry	Rosik	ITC (CZ)	Certification body	
Matteo	Sartori	Kiwa Cermet Italia S.p.A.	Certification body	
Sören	Scholz	DIN CERTCO GmbH	Certification body	
Maria del Val	Varas Garcia	AENOR	Certification body	
Katharina	Vehring	DIN CERTCO GmbH	Certification body	
Stamatis	Babalís	NCSR DEMOKRITOS	Test lab	
Stathis	Chrysafis	NCSR DEMOKRITOS	Test lab	
Jean-baptiste	Beyssac	Université de Perpignan - CESP	Test lab	
Pedro	Cardoso	CTCV	Test lab	
Maria João	Carvalho	LNEG	Test lab	
Harald	Drück	IGTE/TZS	Test lab	
Vincenzo	Sabatelli	ENEA	Test lab	
Stephan	Fischer	IGTE/TZS	Test lab	
Uli	Fritzsche	TÜV Rheinland Energy GmbH	Test lab	
Alberto	García De Jalón	CENER	Test lab	
Korbinian	Kramer	Fraunhofer ISE	Test lab	
Paris	Kyriakou	Applied Energy Laboratory	Test lab	
Emmanuel	Leger	CETIAT	Test lab	
Stephan	Mehnert	Fraunhofer ISE	Test lab	
Semiramez	Mende	Institute for Solar Energy Research in Hamelin (ISFH)	Test lab	
Patrik	Ollas	RISE Research Institutes of Sweden	Test lab	

Participants in 27th SKN (WEB) meeting

Name		Organization	Type	Industry
Fabienne	Sallaberry	CENER	Test lab	
Emmanuel	Traynard	CSTB	Test lab	
Ozan	Türk	SPF	Test lab	
Constant	Zhao	Intertek Guangzhou	Test lab	
markus	Barek	sunlumo	Inspector/Inspection body	
Robert	Buchinger	Sunlumo Technology GmbH	Inspector/Inspection body	
Thomas	Althaus	Ritter Energie- und Umwelttechnik GmbH & Co. KG	Industry/manufacturer	BSW, Germany
Oscar	Mogro	BDR Thermea	Industry/manufacturer	AENOR
Harald	Poscharnig	GREENoneTEC Solarindustrie GmbH	Industry/manufacturer	Austria Solar
Christian	Stadler	Arcon-Sunmark GmbH	Industry/manufacturer	ESTESC
Costas	Travasaros	Primelaser	Industry/manufacturer	GSIA/EBHE
Chris	Travasaros	Primelaser	Industry/manufacturer	GSIA/EBHE
Hanspeter	Weiss	Ernst Schweizer AG	Industry/manufacturer	swissolar
Ashraf	Kraidy	RCREEE	Guest / Observer	
Khalid	Salmi	RCREEE	Guest / Observer	
Verena	Stauber	PTB	Guest / Observer - only for Item 8	
Stefan	Abrecht	Solar-Experience GmbH	Guest/Observer	
Mohamed Anouar	Ben Chaabene	CTMCCV	Guest/Observer	
Gerard	Van Amerongen	vAConsult	Guest/Observer	
Jean-Marc	Suter	Suter Consulting	Guest/Observer, Liaison Officer to TC164	
Abdelkrim	Chenak	CDER	Guest/Observer, Test lab	CDER/PTB

Specific cases

Name		Organization	Comments
João	Santos	CERTIF	Listed in connections (via Gotomeeting) - not listed in any voting. CERTIF participation is less than 75% in votings : NOT participant
Ana	Neves	CERTIF	Listed in connections (via Gotomeeting) - not listed in any voting. CERTIF participation is less than 75% in votings : NOT participant
Nikos	Kanatsoulis	MIRTEC	Listed in connection of 1st & 2nd day - not listed in any voting - MIRTEC participation is less than 75% in votings : NOT participant
Hu	Zhipeng	not provided	