



The Global Solar Certification Network (GSCN)

- Unite for Solar Thermal -

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Global Solar Certification Network



The Global Solar Certification Network is a worldwide cooperation between:

- Solar thermal industry representatives**
- Certification bodies**
- Test laboratories**
- Inspection bodies / inspectors**

Global Solar Certification Network

Aim

- ❑ Facilitate worldwide cross-border trading for manufacturers of solar thermal quality products
- ❑ Avoid re-testing of products and re-inspection of production lines when entering new markets

Leading to:

- ❑ Increased quality
- ❑ Lower costs
- ❑ Bigger market - better business 😊

Global Solar Certification Network

Method

- ❑ Use **existing** certification schemes and have mutual recognition of test reports and inspection reports

Global Solar Certification Network

The **concept** of GSCN:



Reports fulfilling requirements given in GSCN Working Rules and done by test labs and inspectors recognized by GSCN.



Global Solar Certification Network

History

- **Elaborated within IEA SHC Task 43**
Solar Rating and Certification, 7/2009 – 6/2015
- **Further developed within IEA SHC Task 57**
Solar Standards and Certification, 1/2016 – 12/2018

Global Solar Certification Network (GSCN)

Current status

- **Implemented as an independent, autonomous network**
(no legal entity)
- **Members**
 - members: in total approx. 30
(around 23 formal members and 6 supporters)
 - Applicants: 6
- **Membership fees**

Certification Bodies:	200 €
Inspection Bodies and Inspectors:	200 €
Test Labs:	200 €
Industry (manufacturers, distributors):	250 €
Passive Network Supporting Members:	75 €

Global Solar Certification Network (GSCN)

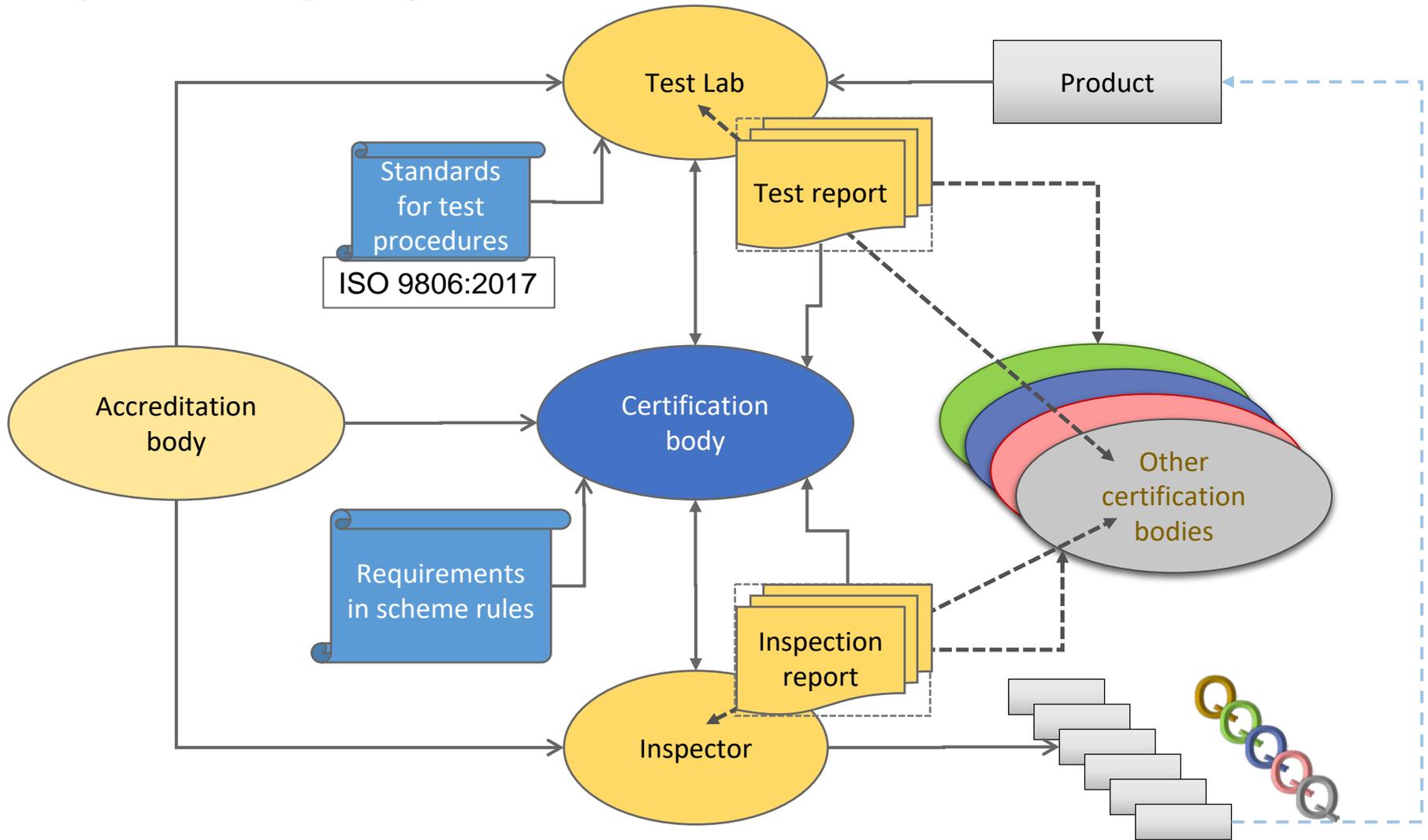
Organisation

- **Operated by the following “committees”**
 - 4 Officers
 - Board (2 representatives from industry, test labs and certification bodies per continent)
 - Committees (e.g QAC) and Working groups
- **Officers** (elected by the GSCN)
 - Chairman: Harald Drück, IGTE Uni Stuttgart, Germany
 - Vice Chairman: Shawn Martin, SRCC, US
 - Treasurer: He Tao, China
 - Secretary: Harald Poscharnig, GreenOneTec, Austria
- **Marketing and Public Relations**
 - Marisol Oropeza, matters.mx
- **Management** (day to day work incl. accounting)
 - Leopoldo Mico, SHE/ESTIF (free of charge!)
- **Meetings:** approx. 2 GSCN and 4 Board Meetings per year

How the GSCN works

- ❑ Mutual recognition of test and inspection reports between **3rd party certification schemes**:
 - ❑ Initial type testing - and surveillance testing
 - ❑ Initial inspection of the factory production control - and surveillance
- ❑ All operating bodies shall have relevant **accreditation**
- ❑ **Basic standard is newest ISO 9806** on solar collector test procedures

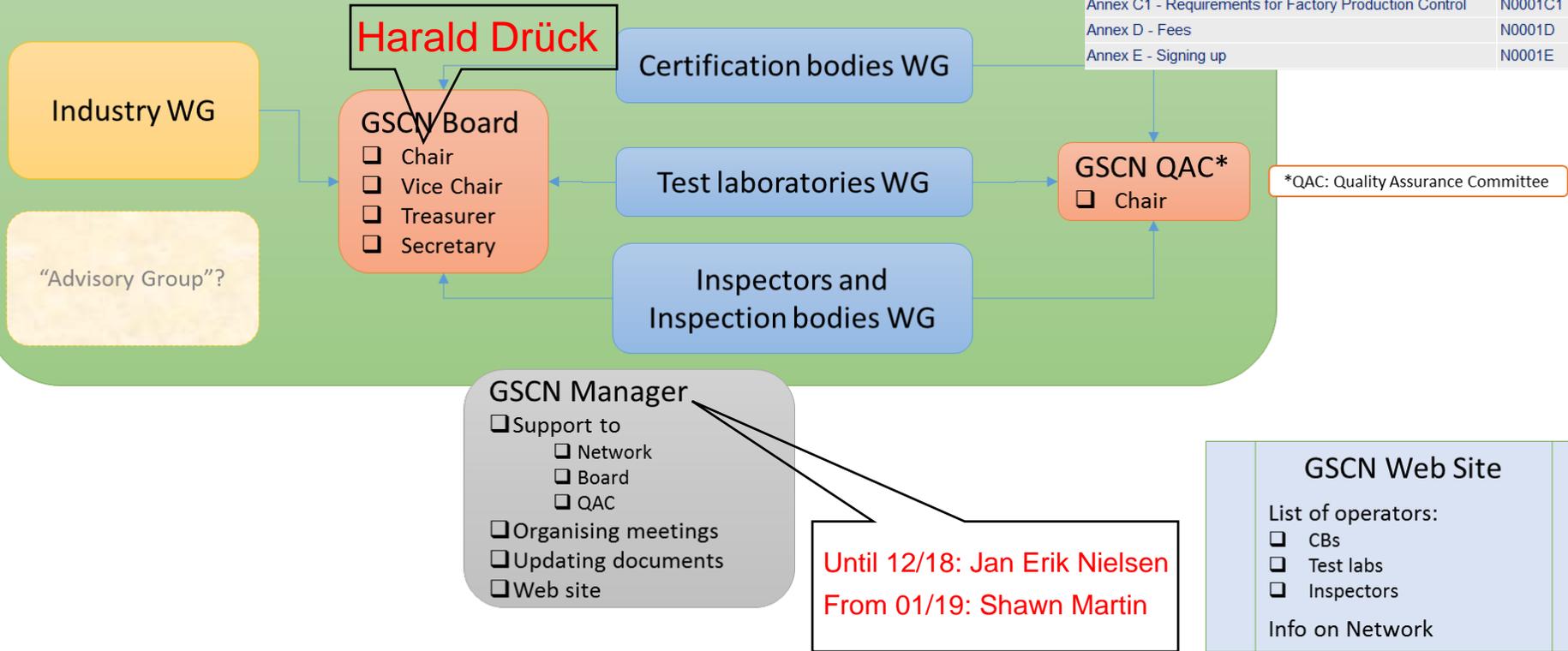
How it works



Production line

How it is organized

Global Solar Certification Network (GSCN) structure



Document	No.
Working Rules	Doc number
Main part of working rules	N0001
Annex A - Requirements for involved bodies	N0001A
Annex B1 - Data sheet	N0001B1
Annex B2 - Factory inspection report	N0001B2
Annex C1 - Requirements for Factory Production Control	N0001C1
Annex D - Fees	N0001D
Annex E - Signing up	N0001E

Savings for a manufacturer - example

	Manufacturer	A	
	No. certified products	8	
	No. certification regions	3	
COSTS WITHOUT GSCN	Initial testing	288	k€
	Annual inspection	12	k€
	Costs first year	300	k€
	Costs following years	12	k€/year
COSTS WITH GSCN	Initial testing	96	k€
	Re-issuing of test reports	12	k€
	Annual inspection	4	k€
	GSCN fee - initial	4	k€
	GSCN fee - annual	1.6	k€/year
	Costs first year	116	k€
	Costs following years	5.6	k€/year
SAVINGS WITH GSCN	Savings first year	184	k€ 61%
	Savings following years	6.4	k€/year 53%

GSCN Success Stories

- ❑ **GSCN established**
- ❑ **Harmonisation of testing, inspection and certification procedures achieved (within several global regions)**
- ❑ **GSCN based certification of solar collectors for the following manufacturers performed**
 - **Sammler Solar & Central Heating Systems, GR**
 - **KBB, Germany / Tunisia**
 - **GreenOneTec, Austria**
 - **.....**

Global Solar Certification Network (GSCN)

Latest developments

- GSCN alliance with SHI: **Unite for solar heat**



Aim: Common implementation of the SOLERGY label for collectors

- Joint marketing and communication activities with the Solar Heating Initiative
- Relaunch of GSCN website: www.gscn.solar

Participate in the GSCN !

Industry

Industry members can utilize the concept of "Global Solar Certification" in order to avoid re-testing and re-inspection in different certification regions. Industry members can save significant amounts of money and time this way. Furthermore they can get the SOLERGY collector label in a very convenient way.

Certification bodies

Certification bodies participating in the Global Solar Certification Network will attract large international customers

Test labs

Test labs participating in the Global Solar Certification Network will attract large international customers and benefit from international experience exchange

Inspectors / inspection bodies

Inspectors / inspection bodies participating in the Global Solar Certification Network have access to international customers

Global Solar Certification Network (GSCN)

“New” website: www.gscn.solar



GSCN Global Solar Certification Network

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HIGH QUALITY SOLAR THERMAL COLLECTORS ARE A KEY FACTOR FOR INCREASING THE SHARE OF SOLAR HEAT WORLDWIDE.

We are a global network of certification bodies, inspectors, test labs and solar thermal industry representatives committed to strengthening the solar thermal market.

The Global Solar Certification Network (GSCN) gathers certification bodies, inspectors, test labs and solar thermal industry representatives committed to strengthening the solar thermal market.

It facilitates worldwide cross-border trading of quality solar thermal products.

[BECOME A MEMBER!](#)

Next GSCN-meeting: Oct 11th, 2022 at 2 pm CEST (UTC+2), online

Thank you for your attention

www.iea-shc.org



SOLAR HEATING & COOLING PROGRAMME
INTERNATIONAL ENERGY AGENCY

<http://gscn.solar/>

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