



IEA SHC Task 57

The Global Solar Certification Network (GSCN)

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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:



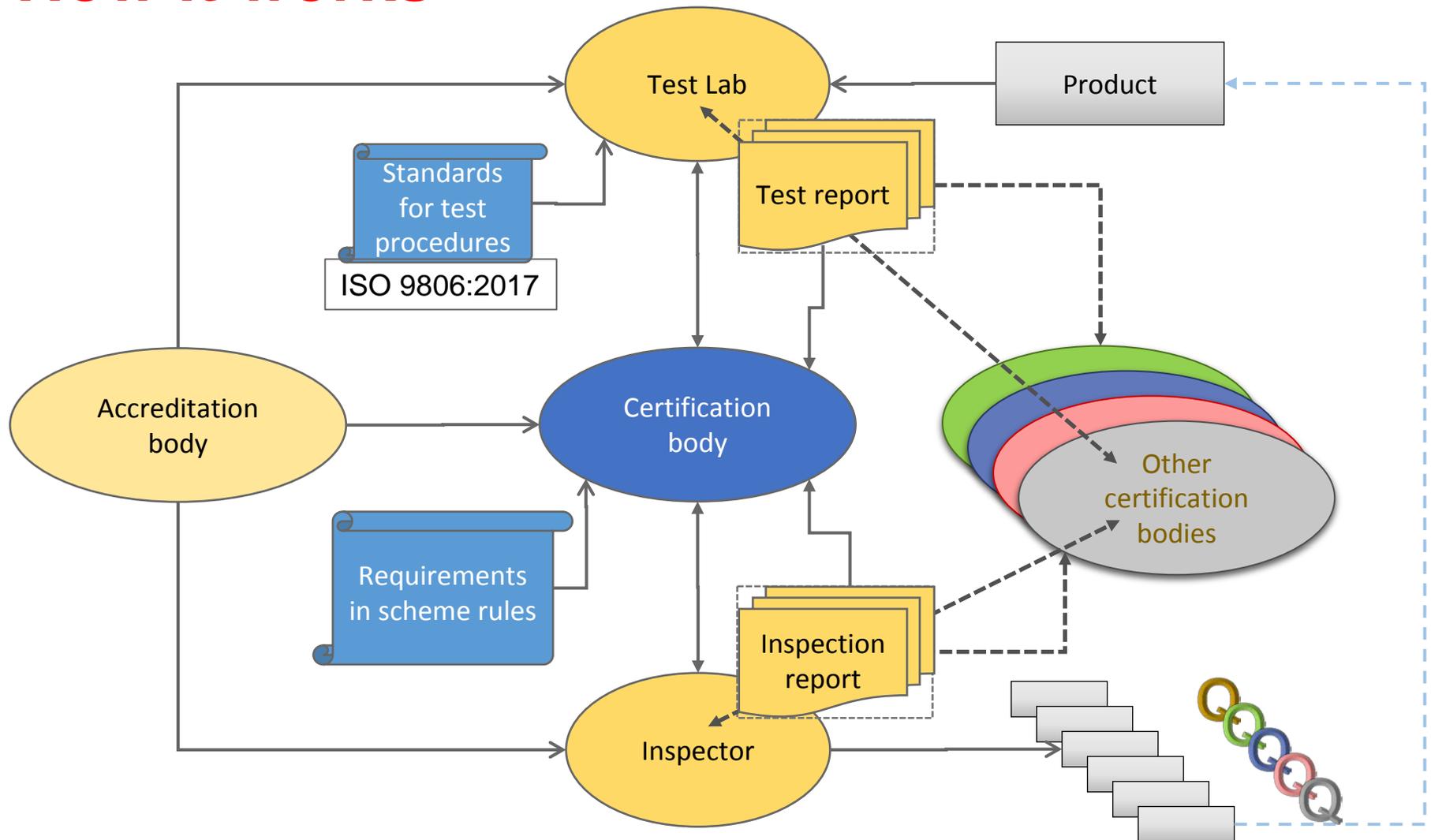
Reports fulfilling requirements given in GSCN Working Rules and done by test labs and inspectors recognized by GSCN.



How it 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

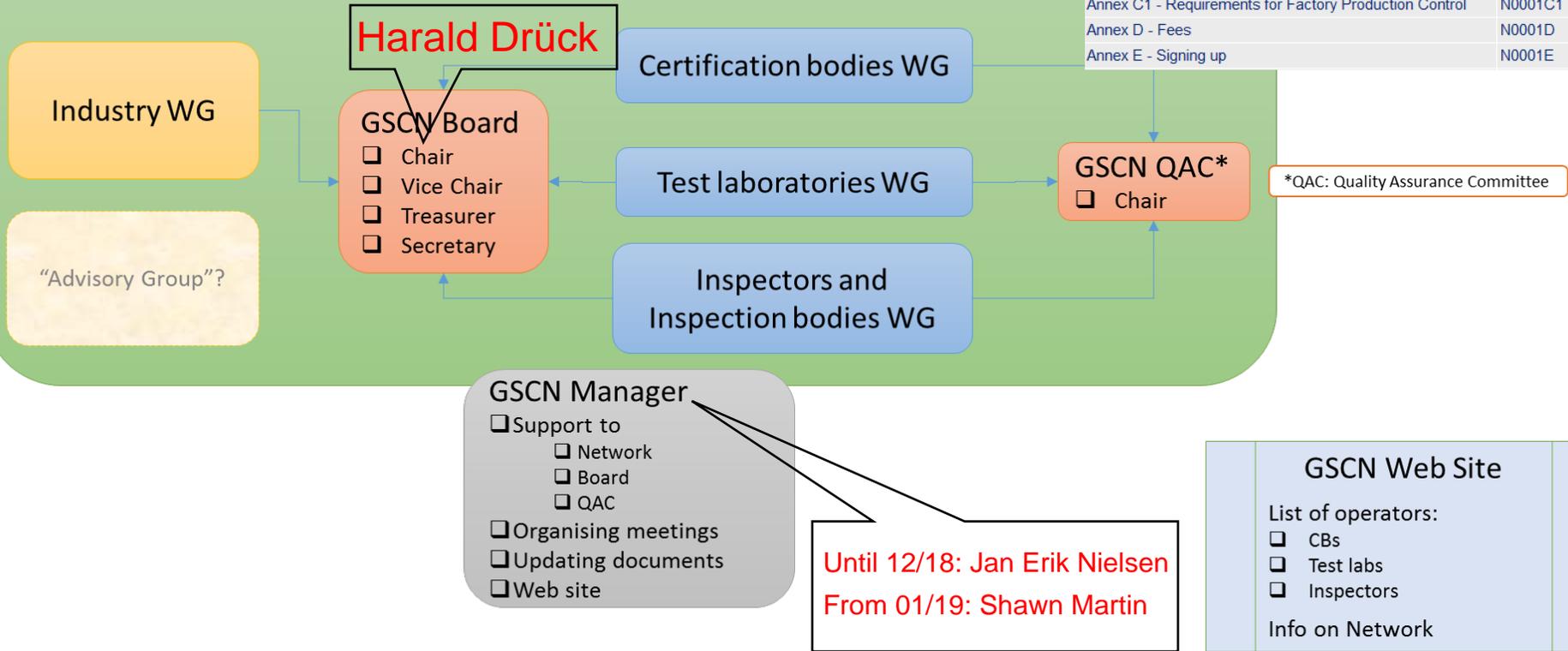
How it works



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**
 - **GreenOneTec, Austria**
 - **.....**

Status for the GSCN

- Final set of working rules approved**
- GSCN System in Operation**
- Members:**
 - Industry: 5
 - CBs: 3
 - Inspectors: 2
 - Test labs: 5
- Applicants:**
 - Industry: 1
 - CBs: 6
 - Inspectors: 3
 - Test labs: 2
- Ongoing promotion of the GSCN**
- Acquisition of members**

Fees (for 2019)

- Certification body: 200 €/year
- Inspection body / inspector: 200 €/year
- Test lab: 200 €/year
- Industry: 250 €/year
- Supporting memebbers: 75 €/year

Participate !

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.

Certification bodies

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

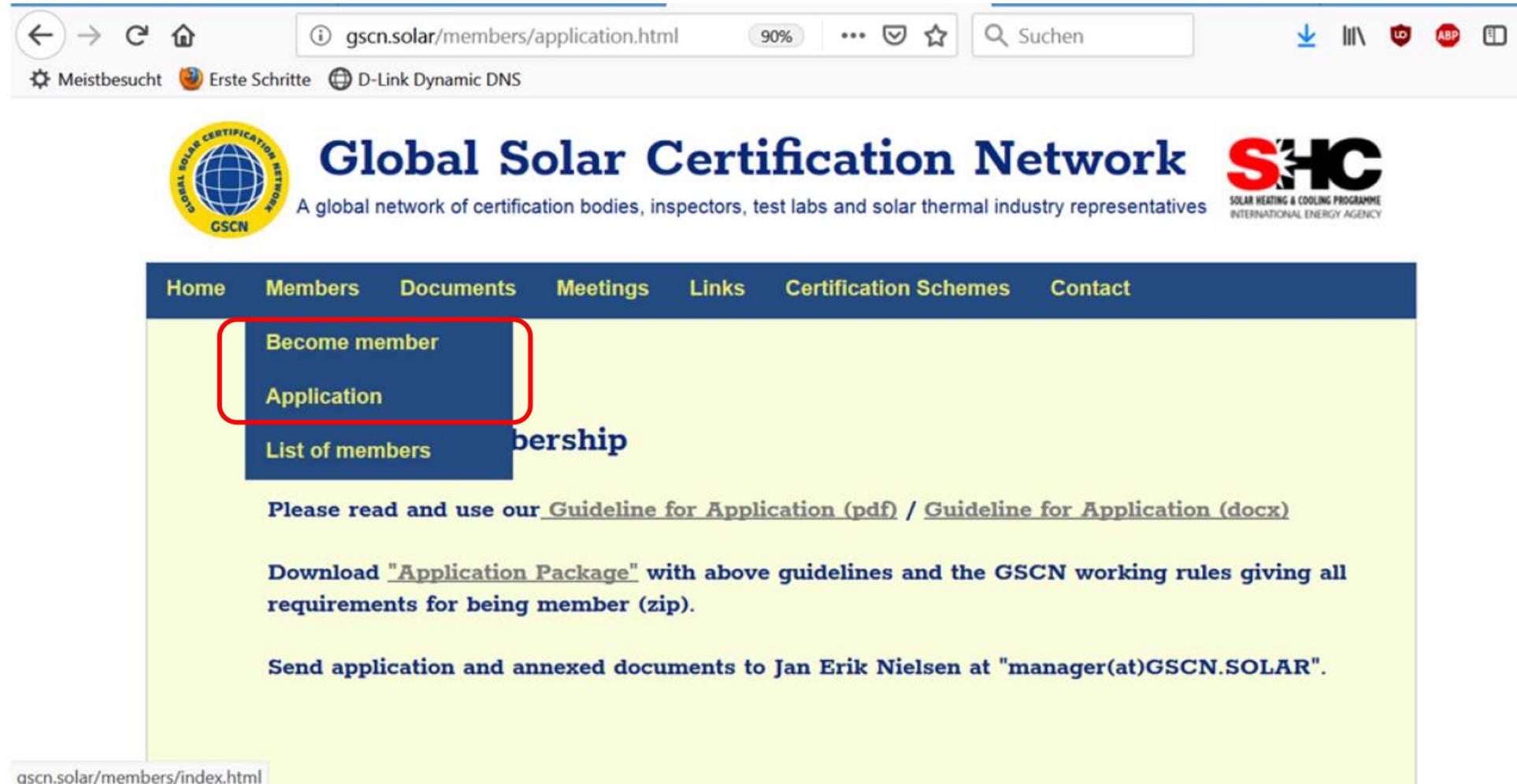
Test labs

Test labs participating in the Global Solar Certification Network will attract big international customers

Inspectors / inspection bodies

Inspectors / inspection bodies participating in the Global Solar Certification Network will attract big international customers

Become a Member of the GSCN!



The screenshot shows a web browser window with the address bar displaying `gscn.solar/members/application.html`. The page header features the GSCN logo (a globe with 'GLOBAL SOLAR CERTIFICATION NETWORK' and 'GSCN' text) and the SHC logo (SOLAR HEATING & COOLING PROGRAMME INTERNATIONAL ENERGY AGENCY). The main navigation menu includes 'Home', 'Members', 'Documents', 'Meetings', 'Links', 'Certification Schemes', and 'Contact'. A dropdown menu is open under 'Members', with 'Become member' highlighted by a red box. Below the menu, the page content includes instructions for becoming a member, such as reading guidelines and downloading an application package.

gscn.solar/members/index.html

Thank you for your attention

www.iea-shc.org



SOLAR HEATING & COOLING PROGRAMME
INTERNATIONAL ENERGY AGENCY

<http://gscn.solar/>

<http://task57.iea-shc.org/>

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