

Implementation Requirements for a certification Program at national Level

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المركز الإقليمي للطاقة المتجددة وكفاءة الطاقة

Background....analysis 2011

Policy Indicators

	Egypt	Jordan	Lebanon	Palestina	Territories	Syria	Algeria	Libya	Yemen	Morocco	Tunisia
Standardization	✓	✓	✓	✓	✓	✓	✓	x	x	✓	✓
Testing	✓	✓	✓	✓	✓	✓	x	✓	x	✓	✓
Certification	x	x	✓	x	x	x	x	x	x	x	✓
Quality control regulations and rules	x	x	✓	x	x	x	x	x	x	✓	✓
R&D Programs/Fund	x	x	x	x	x	x	x	x	x	x	x
Policies and Regulation	x	✓	x	x	x	x	✓	x	x	✓	✓
Governmental initiatives	✓	✓	✓	x	✓	x	x	x	x	✓	✓
Trade movements & export regulations	x	✓	x	x	x	x	x	x	x	x	✓
Taxes	x	x	x	x	x	x	x	x	x	x	✓
Law enforcement (to install SWH)	x	x	x	x	x	x	x	x	x	x	✓

x: missing/problematic

✓: existing/non-problematic

Background

The Executive office of the electricity Arab ministerial council raised a request to RCREEE and AIDMO (Arabian Industrial Development and Mining Organization) to coordinate with the council secretariat to work on standardization and certification program for SWHs aiming to achieve a quality certificate for the Arab region.



What is SHAMCI Certification Scheme?

- **SHAMCI** is first Arab quality certification scheme for the solar thermal products and services in the Arab region.
- **SHAMCI** provides a regional industrial and regulatory compliance framework for policy makers, industrial sector, and end-consumers.
- **SHAMCI** promotes adopting standard quality measures, accreditation systems and quality labels across the Arab region.
- **SHAMCI** is built around specific characteristics and needs of Arab states in the Middle East and North Africa.

SHAMCI Network

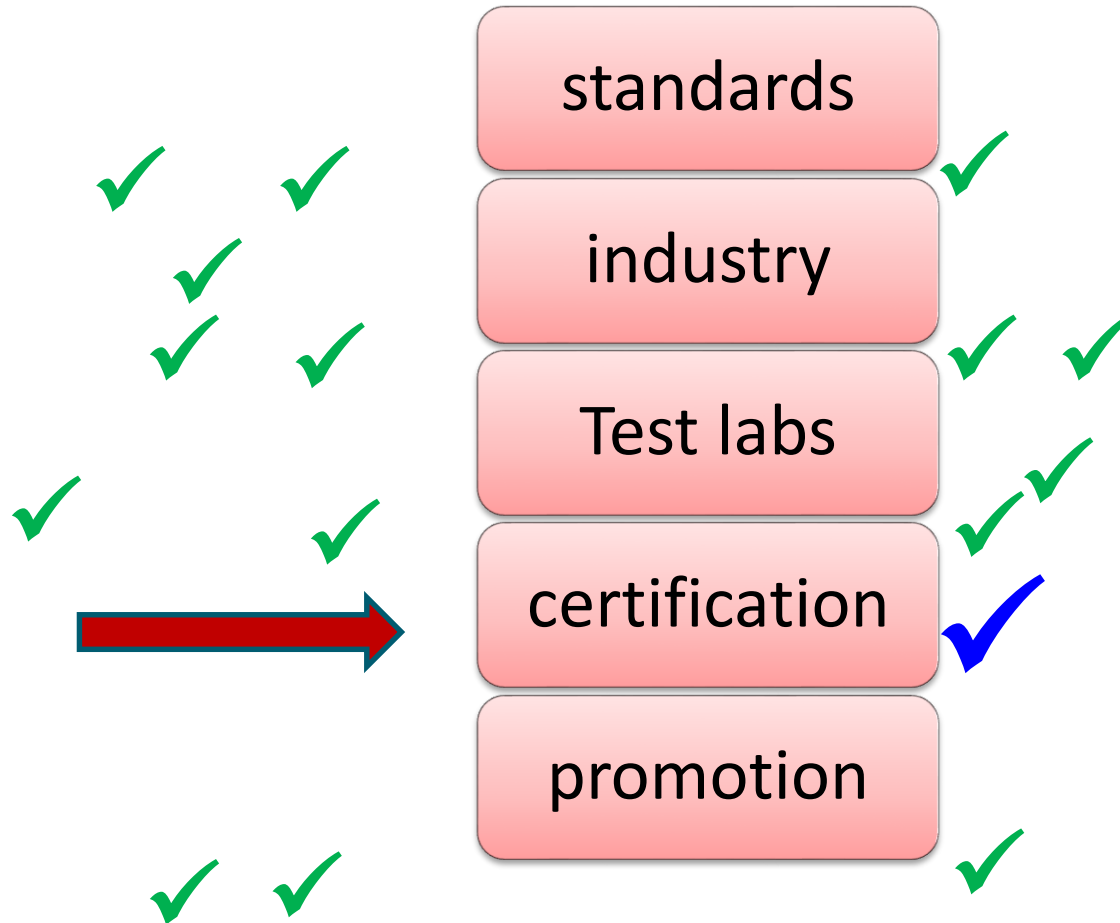
SHAMCI Network..... is an international stakeholders network which is responsible for developing and running SHAMCI.

Mission....Support solar energy markets by establishing and maintaining a certification programme that ensures a specific quality for solar thermal products and services in the Arab region.

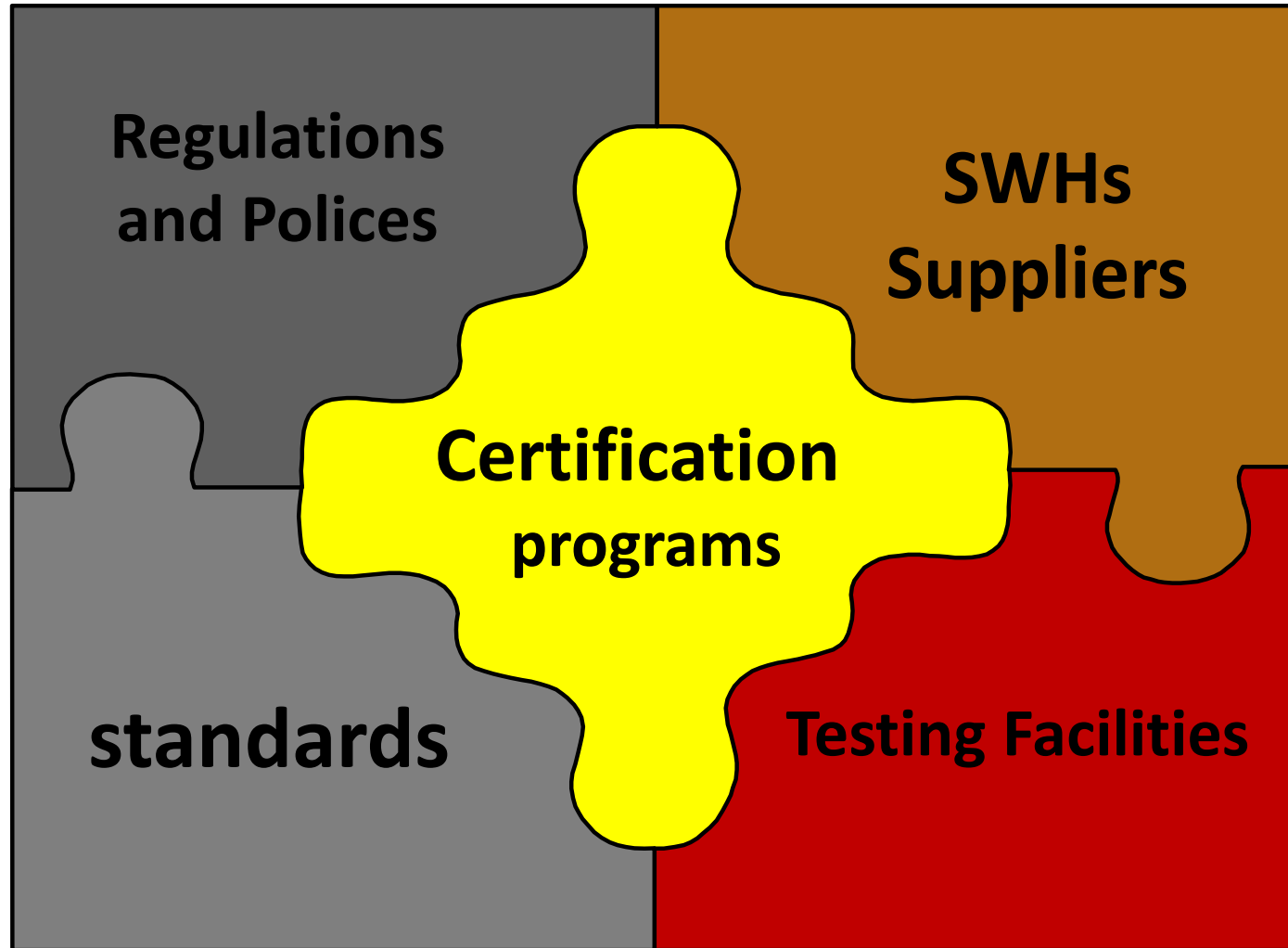
Regional Endorsement

AIDMO sent an official letter to LAS requesting the network to approve the last version of SAMCI certification rules to be sent officially to ALL Arab Certification Bodies to us as quality scheme for SWHs.

Key Elements required for the development of a sustainable solar thermal market



How a certification program coordinate the Key Elements for sustainable solar thermal market



What is Certification

The certification is a process to engage the market of SWHs to a quality system that is regularly bringing changes in the:

- Institutional framework,
- Regulatory framework
- Procedures
- Standards

Characteristics to be considered

The characteristics of the products can be grouped in characteristics related to:

Safety

- Fire
- Structural load
- Maximum pressure
- Toxicity
- Surface temperature

Performance

- Efficiency
- Power capacity
- Energy production (energy use)
- Heat capacity
- Pressure loss

Durability

- High temperature resistance
- Rain tightness
- Impact resistance
- UV-degradation
- Other degradations / corrosion

Physical characteristics

- Dimensions
- Weight
- Volume content

Certification Objectives

Ensure the quality of:

- **Products and Equipment**
- **The qualification of installers**



**Certified
products**

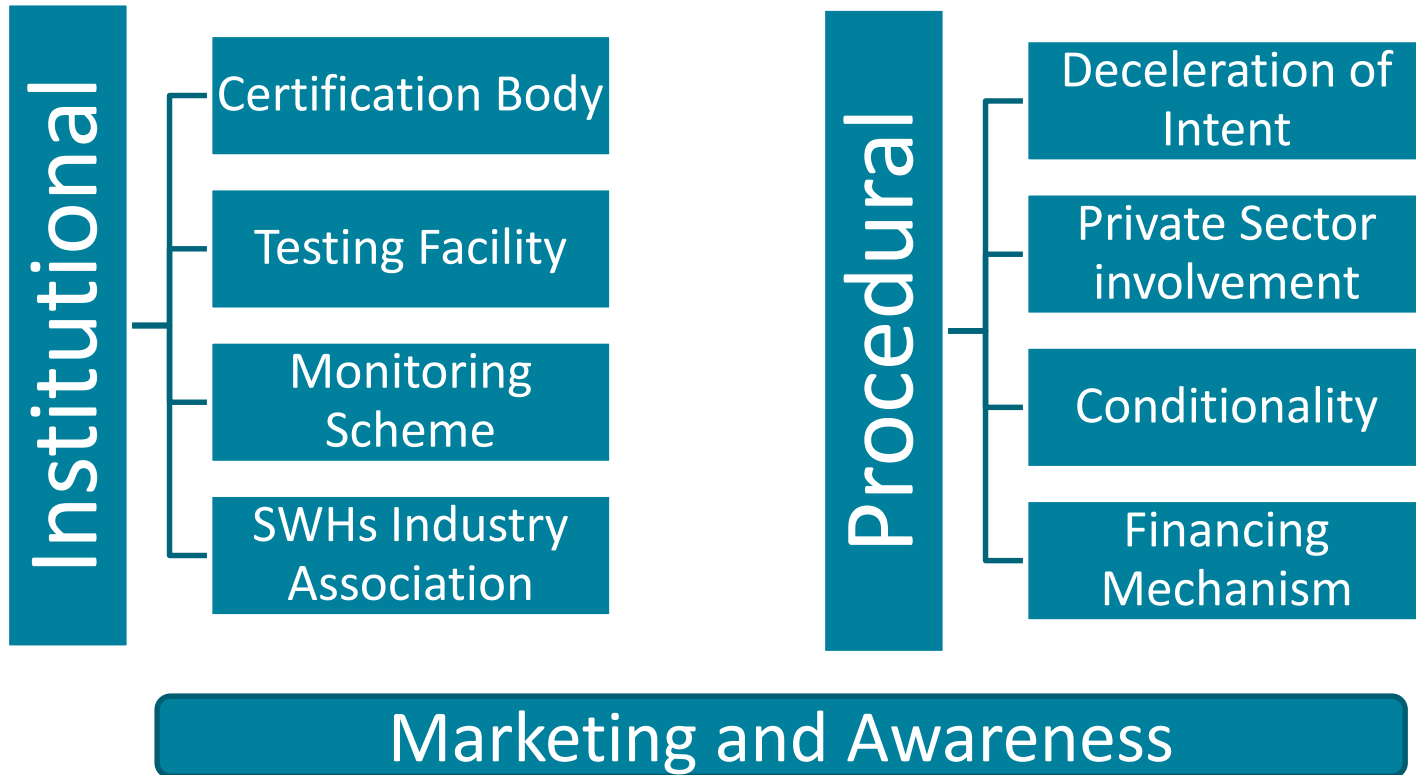


**Certified
Installer**

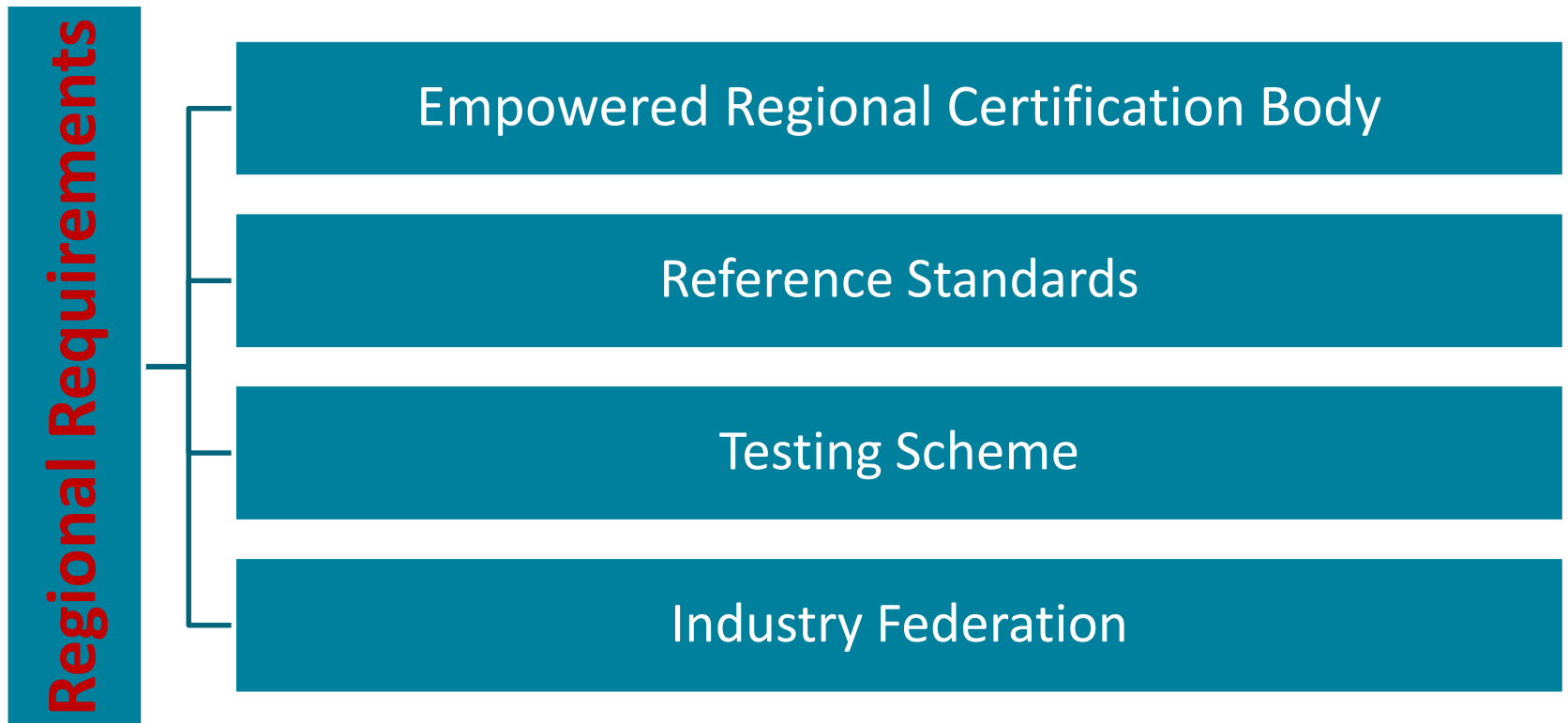
What we NEED in our countries.....

- 1. Bigger and Sustainable Market***
- 2. Suitable Products***
- 3. Enhanced User Confidence***
- 4. Increased sales***
- 5. More Rational Production***
- 6. Lower prices***

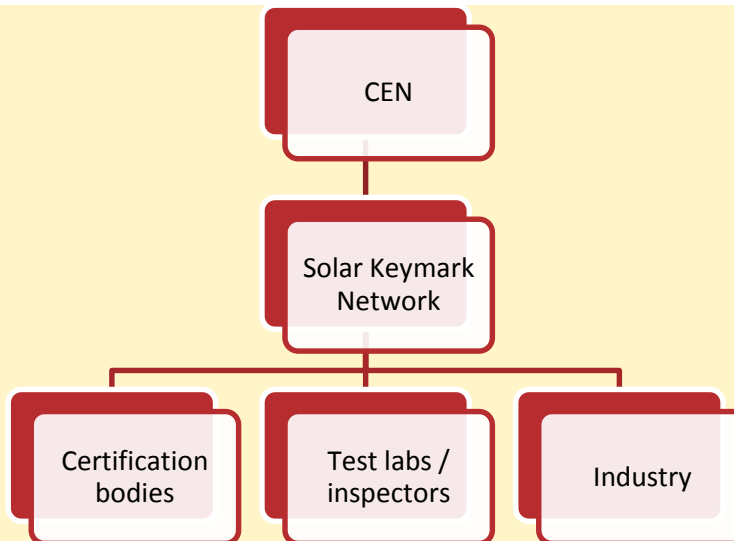
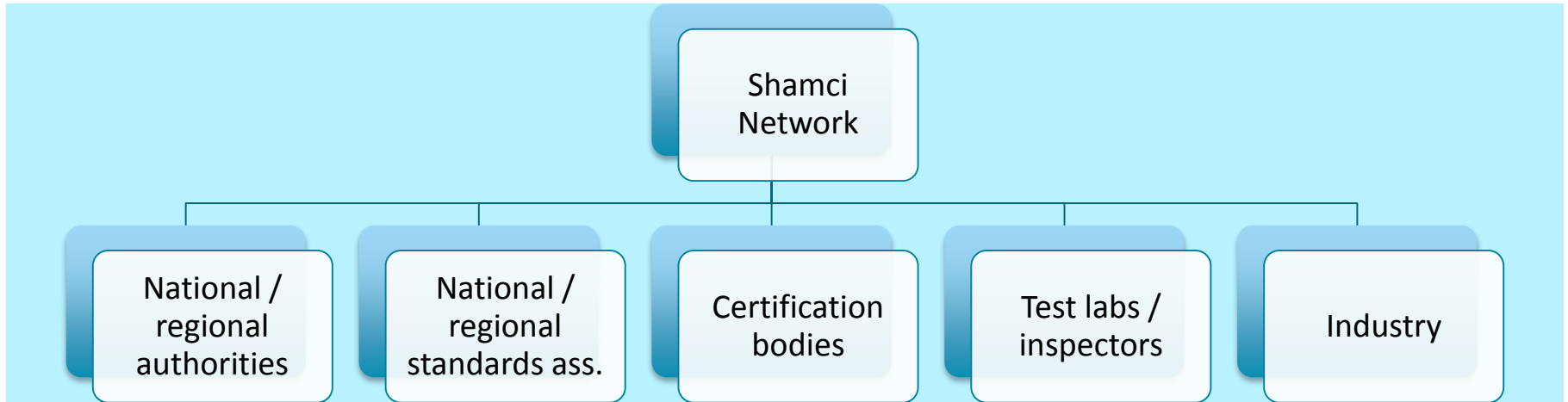
National Case

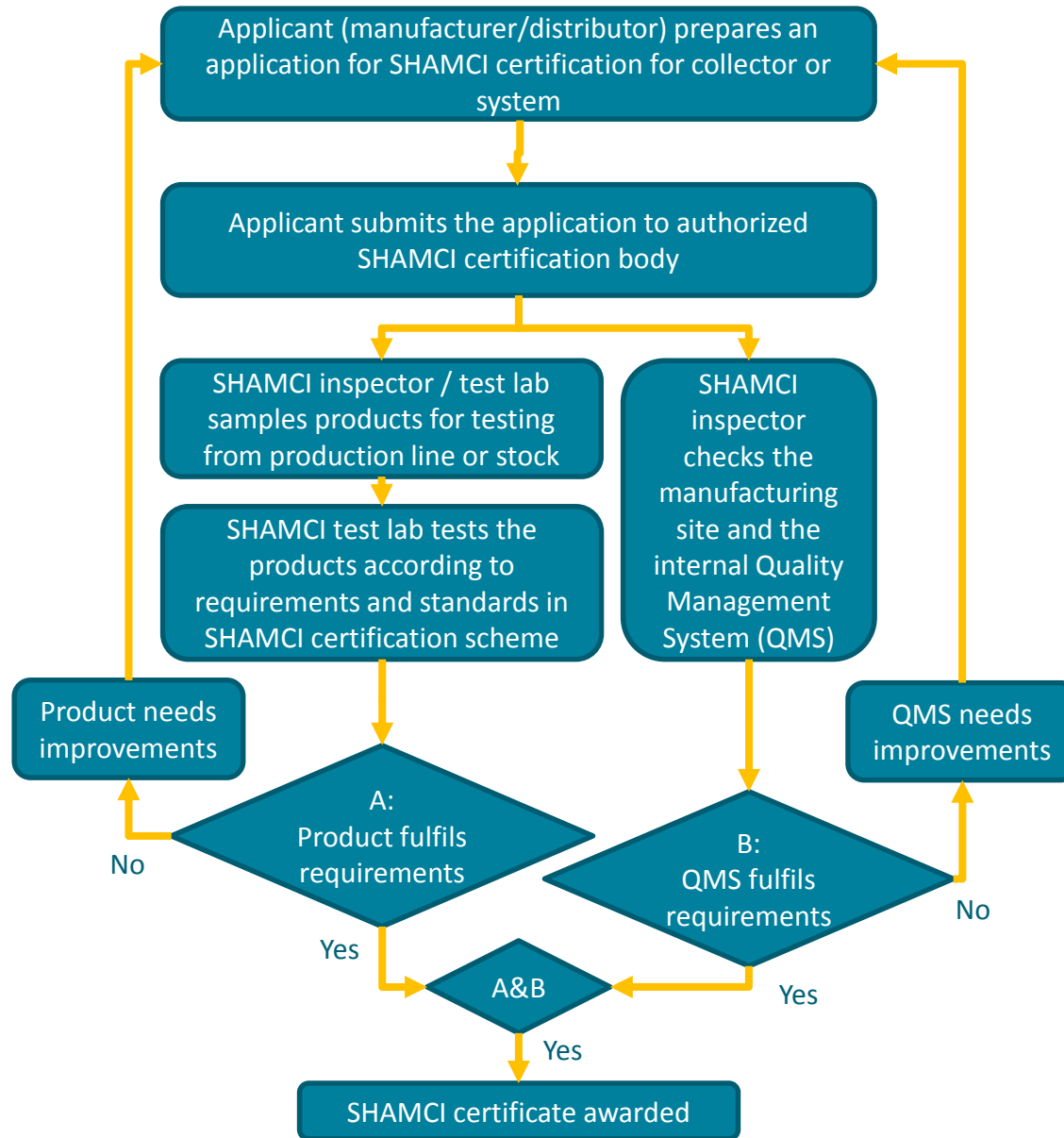


Regional Future Activities

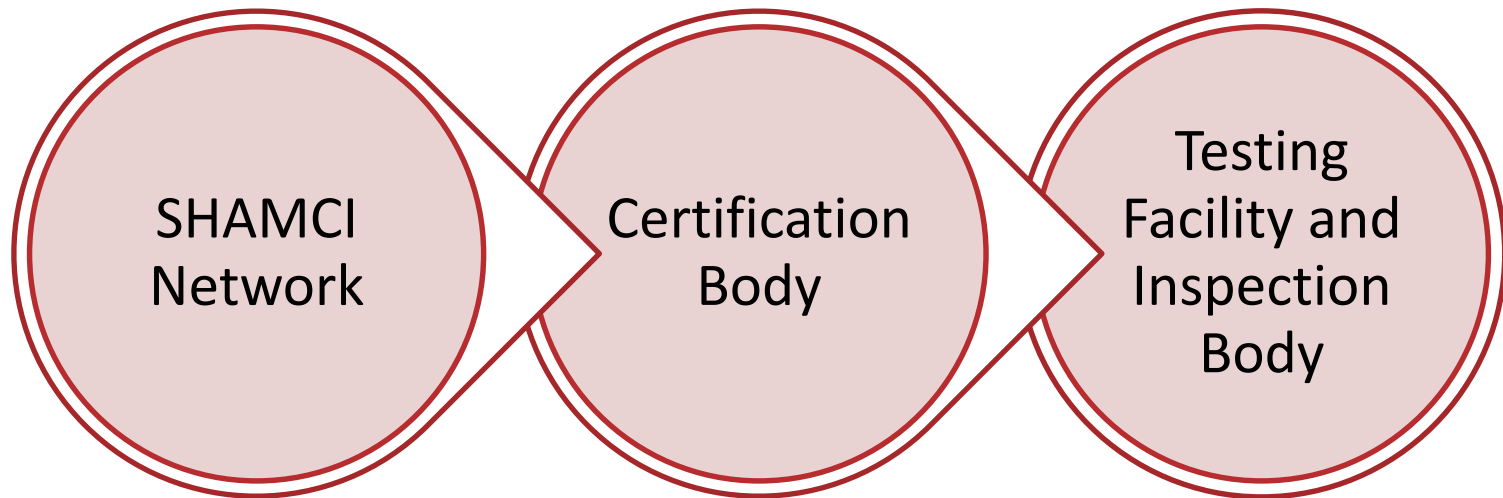


Overview about SHAMCI and Solarkeymark





Empowerments



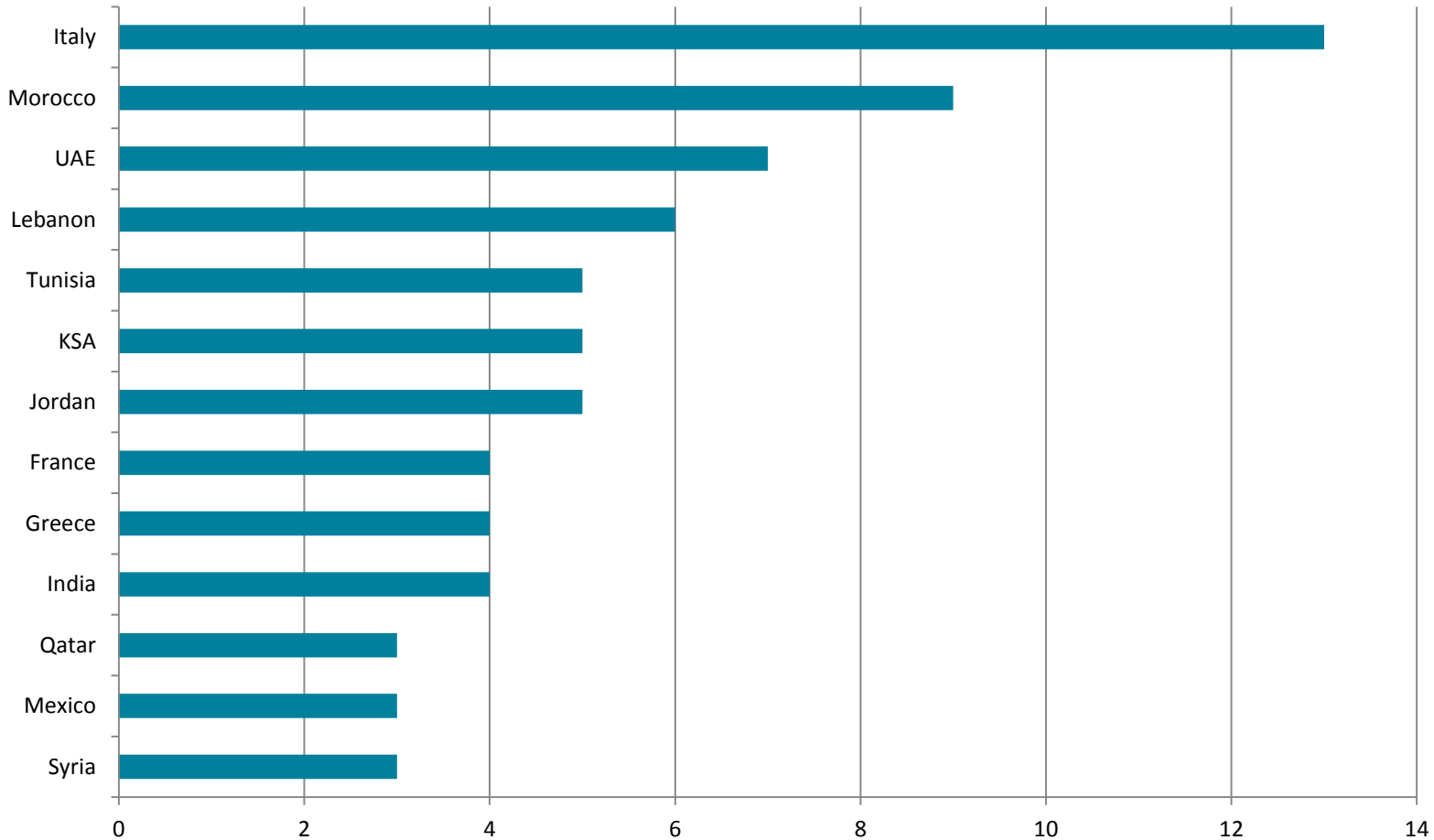
Implementation Schemes

Mandatory

Voluntary

Conditional

The Most Important Markets for SWHs



Source: Sun and Wind Market Survey 4/2013

Conclusion

- Complete certification organizational structure
- Meet the needed competences in the relevant organizations
- Secure resources to support the program compared with needed actions
- Accreditation and certification is almost missing
- Coordination
- Communication with private sector

Let's SHAMCI

