INTRODUCTION TO NATIONAL ADOPTION OF IEEE STANDARDS

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STANDARDS IN THE GLOBAL CONTEXT

Voluntary technical standards have a significant role in facilitating global cooperation and international exchange of products and services, including:

- Standardizing safety requirements

- Supporting regulatory needs

- Growing markets and global trade

- Enabling interoperability

- Facilitating market competition

- Encouraging innovation by standardizing foundational elements

- … and more

IEEE SA ENGAGEMENTS WITH COUNTRIES AROUND THE WORLD

IEEE SA builds relationships through engagement with

- National Standards Bodies (NSBs)
  - General information exchange
  - Points of contacts between organizations
  - Adoption of IEEE standards as national standards
  - Distribution of IEEE standards (commercial relationships)
  - Fellowship Program for capacity building
  - Other cooperation on activities of mutual interest
- Regulatory agencies and other branches of government
  - Government Engagement Program on Standards (GEPS)
  - General information exchange
  - Points of contacts between organizations
  - Fellowship Program for capacity building
  - Other cooperation on activities of mutual interest

ADOPTION OF IEEE STANDARDS

IEEE standards enable international technical collaboration and are fundamental to the global technological infrastructure. They are developed in an open, bottom-up process and reflect the best experience of industry, researchers, consumers, regulators and more.

IEEE standards are globally relevant and available for use and implementation

Countries may seek to adopt IEEE standards for various reasons, including:

* Referencing in regulations

* Addressing national differences

* Filling gaps in standards portfolio

Benefits of program:

* Adoption of IEEE standards facilitates global interoperability.

* Countries can strengthen their standards portfolio, especially when there are limited resources.

* Country-specific changes are provided to IEEE, and can be considered during updates to the IEEE standard, facilitating global inputs.

IEEE SA's National Standards Adoption Program provides significant benefits and supports harmonization.

IEEE AGREEMENTS WITH OTHER ORGANIZATIONS

Agreements for national adoption of IEEE standards:

- Countries can adopt existing IEEE standards
- Translation of adopted standards also an option

MOUs with organizations for standards-related cooperative activities, including:

- Joint workshops and events
- Joint deliverables
- Capacity-building
- Technical-level cooperation

IEEE SA NATIONAL STANDARDS ADOPTION PROGRAM

- An IEEE standard can serve as a base for a country to develop its own standard.
  - The adopting organization will follow its standards processes to adopt the standard, and takes full responsibility for the resulting National Standard.
  - Users of an adoption with country-specific changes can claim conformance with the adoption, but cannot claim conformance with the IEEE standard.
- National adoptions of IEEE standards can be distributed only within the specific country.
- IEEE will have the rights to:
  - Distribute the National Standard
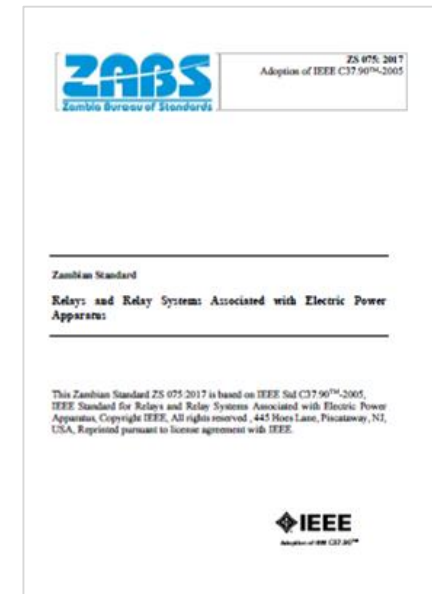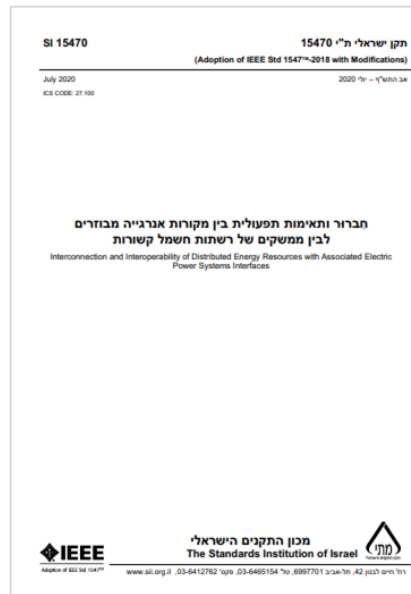 - Use the country-specific changes as inputs in future revisions, if included.

ADOPTION PROCESSING FLOW

Two Paths are available:

Standard Adoption Program	Streamlined Adoption Program
Applicable for all IEEE standards	Applicable only to standards in the National Body Subscription
Agreement is negotiated on a case-by-case basis	Agreement is unilateral (terms accepted as is)
Can adopt as is, or with country-specific changes (CSCs); CSCs can only be made in front matter or annexes, and are subject to review by IEEE	Can adopt as is, or with CSCs; CSCs can be made in front matter or annexes, or can be clearly indicated in-line without additional review of the CSCs by IEEE
Country requests standards for review	Country reviews standards in a read-only online subscription
After the decision is made to adopt the IEEE standard, a file that can be used for publication is requested	After the decision is made to adopt the IEEE standard, an editable file that can be used for publication is requested
CSCs are provided to IEEE for review; IEEE will determine whether it will permit an adoption with CSCs	
Prior to publication, the final version is shared with IEEE for a compliance check (formatting, copyrights, compliance with the agreement)	Prior to publication, the final version is shared with IEEE for a compliance check (formatting, copyrights, identification of CSCs, compliance with the agreement)

MAINTENANCE OF ADOPTED STANDARDS

- Country receives regular updates on revisions or withdrawals of IEEE standards
    - It is the country's responsibility to monitor and evaluate whether similar actions should be considered for the national adoption
- Country is responsible for maintenance of the national adoptions

RESOURCES

The program website is: https://standards.ieee.org/about/intl/adoption.html

For questions, you can contact: adoption@ieee.org

A staff lead will get back to you and assist in exploring the options, navigating the process, answering any questions, and facilitating other relevant discussions.

THANK YOU