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2015-10-16

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COUNCIL

SUBJECT

Agenda item 5.2

Address to Council by the President on 2015-10-16

BACKGROUND

The President delivered the attached address to Council at its meeting held in Minsk on 16 October 2015.

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Attachment



Ladies and Gentlemen,
Colleagues and friends,

We have just heard from the IEC General Secretary about key activities and some of the important progress the IEC has achieved over the past year.

It is vital that we stay on the ball to deliver what our users need. You, the National Committees of the IEC, have a crucial role to play in continuing to help identify those needs. This is important because our world is changing faster than ever before.

Let me illustrate this with a couple of examples:

Speed of innovation

- Companies can no longer do everything alone
- More competitive than ever – need to collaborate more than ever
- Integrated solutions for increasingly big systems
- With your help: IEC Systems work – new era of collaboration



As technologies converge, the speed of innovation accelerates and companies can no longer do everything alone.

While companies have never been as competitive as today they now also need to collaborate more than ever before. With the IEC Systems approach we will be able to address this need for cooperation on integrated solutions for increasingly bigger systems. With it we will be able to address many of the complex and transversal challenges that are facing us.

This will allow us to enter a new era of collaboration, bringing to the table know-how and expertise from many different organizations.

But the success of the Systems approach will depend on all of us. Together we can ensure that all the right people are informed and able to join this common effort. I am counting on you to help us reach out to them.

Smarter everything

- underpinned by electricity, electronics, data = IEC foundational role
- Encouraging collaboration – World Smart Cities Forum + ISO and ITU



Everything is going to be smarter. This added intelligence is underpinned by electricity, electronics and data.

Behind the scene IEC work – **our work** - for smart cities, smart transportation, smart manufacturing, smart energy, the Internet of Things, and more, is substantial and essential, even if it often remains invisible.

Here too collaboration with other organizations is a must. In this context, we have taken the initiative to host the World Smart Cities Forum, which will be co-organized with ISO and ITU, in Singapore.

Billions of new devices

- **More devices than ever use electricity or contain electronics**
- **Many where mechanical before**
- **Many new applications and technologies**



Billions of devices now use electricity and contain electronics.

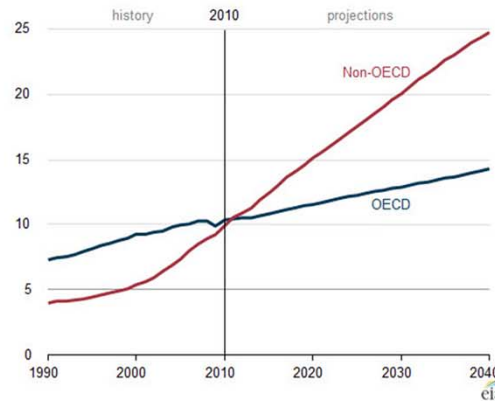
Not so long ago many of them were mostly mechanical. New applications and technologies that didn't even exist a few years ago now rely on IEC work.

Electricity everywhere

2040: Developing countries = double the electricity of developed countries

- IEC supports safety and energy access = new opportunities
- You can help bring these opportunities to reality

Figure 81. OECD and non-OECD net electricity generation, 1990-2040
trillion kilowatthours



This is true not only in the developed world, but increasingly in developing countries too.

By 2040 developing countries will use double the electricity developed countries use today.

The IEC has a key role to play in helping these countries improve the safety of electrotechnical products that enter their markets and in providing the foundation that helps them increase sustainable energy access and build the quality infrastructure they need.

This will also offer unique opportunities for industry in your respective countries. You – the IEC Members – are the gateway for making them a reality.

“made in the world”

- **Electrotechnology:
12% of total global trade**
- **Participation in global
value chains =
universally agreed
technical rules - IEC
International Standards**
- **Bring your work to the
global level to facilitate
industry access to world
markets**



Our work is increasing in importance. Global trade in electrical and electronic goods is growing. It represents more than 12% of the total value of all trade goods, right after raw energy at 16%.

Electronic and electrical parts transit through many countries – the resulting electrocotechnical devices are now “Made in the World”. Efficient participation in global value chains requires the use of universally agreed technical rules. For electrotechnology those are mostly IEC International Standards.

I strongly encourage all national and regional organizations to bring their work to the global level and to give preference to IEC International Standards. With your help your industries are able to access the world in the most direct way.

Essential for broad solutions

>15 000 experts



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In short:

the contributions of the many thousand experts you send to participate in IEC work are foundational for your private and public industry back home. They are essential for allowing them to build the broad solutions that are needed for tomorrow.

Staying relevant tomorrow

**Starting early 2016:
Review of IEC
Masterplan**

**Your insights and
suggestions needed**



The IEC is the home of industry.

But this is not a static promise. It requires ongoing hard work. Early next year we will start our review of the IEC Masterplan to see what needs to be improved, updated or changed. Which processes or structures have to be modified or put in place for the IEC to remain relevant, now and in the future.

I look forward to hearing your insights and suggestions.

Help promote IEC work broadly

**Exceptional
capabilities that can
help address societal
challenges**

**Win-win for you, your
stakeholders and
society**

**Less duplication,
better outcomes**



Before I end:

it is of crucial importance that you broadly promote the work of the IEC in your country with your private and public industry. We, the IEC, have an exceptional set of capabilities. Together, through the IEC, we will be able to help address many of the societal challenges we are facing.

This is a win-win for you, your stakeholders and society as a whole.

It is more important than ever that IEC work is broadly known to limit duplication and improve outcomes.



You are the IEC.
Thank you in advance for your support.