

Appliance standards in a net zero future: A call to action on harmonising of international standards

Event led by the International Energy Agency (IEA), in partnership with Energy Foundation China

**Tuesday 6 June 2023: 09h00 – 12h00 CEST
Richelieu Amphitheatre, Palais des Congress
Versailles, France**

Event background

According to the [IEA Net Zero scenario](#), to reach net zero goals, most appliances and cooling systems sold globally should be best in class by 2030. Lighting, refrigerators, air conditioners and industrial motor systems account for over 40% of global electricity demand and 5 Gt of global CO₂ emissions a year – roughly equal to the United States' current total CO₂ emissions.

Policies that boost energy efficiency are vital to allow more people to own appliances, without creating unsustainable energy demand or compromising climate targets. Recent global evidence shows that in countries with the [longest running appliance energy efficiency policies](#) such as minimum energy performance standards (MEPS) and labels, energy consumption of key appliances has halved.

Ahead of COP26, the United Kingdom and the SEAD Initiative launched the [Product Efficiency Call to Action](#) to raise ambition more quickly, easily and at a lower cost. 14 SEAD members and other governments have so far signed a Joint Statement to publicise their collective ambition, namely doubling the efficiency of four key energy-using products sold globally by 2030: lighting, residential cooling, residential refrigeration and industrial electric motor systems. The Call to Action was followed by conversations in the 2022 Global Conference highlighting the important role of energy-using appliances and equipment in reducing energy consumption and meeting net zero ambitions.

In this context, this event will highlight the importance of energy-using appliances and equipment in reducing energy consumption and meeting net zero ambitions, including the role of standards can play in accelerating energy efficiency improvements for appliances at the global level.

The event will bring together international standards bodies, industry players, regulators, along with NGOs and experts to discuss key actions to double energy efficiency of appliances to support the aims of the Call to Action. The discussion will encourage closer alignment of standards approaches to support harmonisation of test procedures and emphasise the essential role of standards for cooling appliances.

Agenda

09h00	Opening remarks <ul style="list-style-type: none"> • Dr Brian Motherway, Head of Energy Efficiency Division, International Energy Agency (IEA) • Her Excellency, Ms. Anna Bossman, Ambassador of the Republic of Ghana to France
09h15	Session 1: Panel Discussion - Promoting harmonisation of standards processes for appliances in support of net zero <p>Moderator: Ms Melanie Slade, Senior Programme Manager, IEA</p> <ul style="list-style-type: none"> • Dr Liu Ren, China National Institute of Standardisation (CNIS) • Ms Belinda Kancheya, Director, Technical Services, Zambia Bureau of Standards (ZABS) • Mr Philippe Vollet, Chair, Advisory Group Committee on Energy Efficiency (ACEE), International Electrotechnical Committee (IEC) • Mr Matthias Meier, Testing and rating of air-conditioners and heat pumps Chair, International Standards Organisation (ISO)
10h30	Coffee break
10h45 – 11h45	Session 2: Deep Dive – Driving ambition using cooling and refrigeration standards and regulation <p>Moderator: Ms Han Wei, Director of Projects, Energy Foundation China</p> <ul style="list-style-type: none"> • Mr Katsuyuki Sawai, Senior Executive Officer, Daikin Industries • Ms Hu Min, Co-Founder, innovative Green Development Programme • Ms Herlin Herlianika, President of ASHRAE Indonesia Chapter Advisor, CLASP • Ms Ashanti Mbanga, Programme Manager SANEDI • Mr Patrick Blake, Programme Officer, UNEP-U4E
11h45 - 12h00	Closing remarks <ul style="list-style-type: none"> • Professor Zou Ji, CEO & President, Energy Foundation China • Ms Melanie Slade, Senior Programme Manager, IEA