

APEC MV&E Network for Policymakers and Practitioners

Globally, standards and labeling programs lose up to 25% of potential energy savings because of insufficient compliance and enforcement. Monitoring, verification, and enforcement activities are expensive and time-consuming, and governments have limited resources to devote to them.

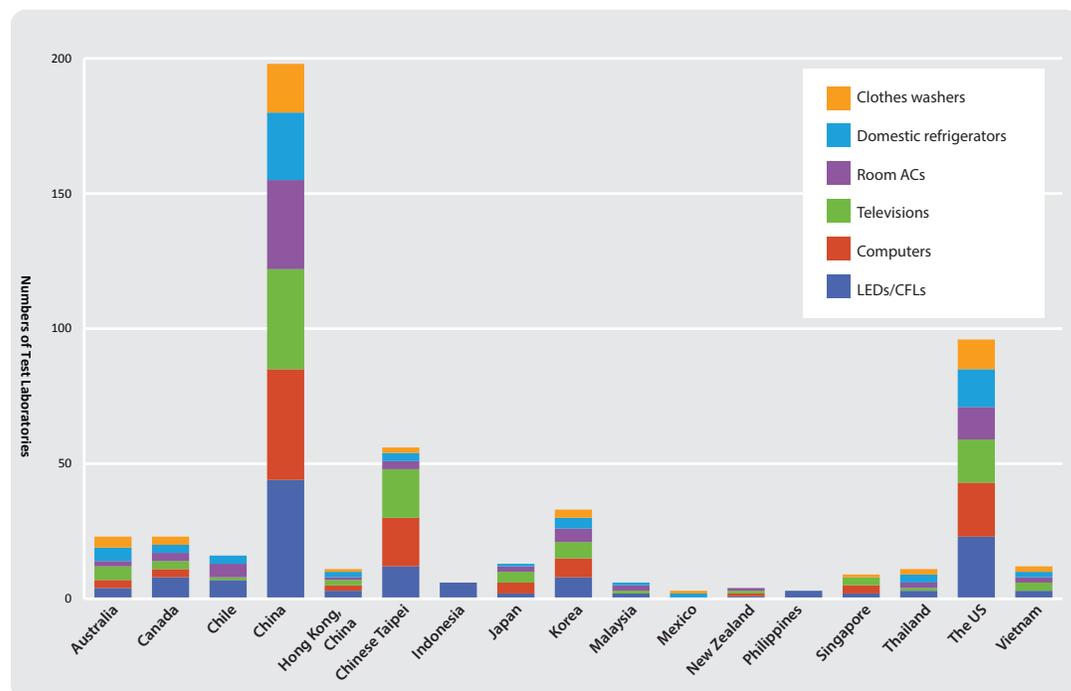
Join the APEC MV&E Network to save money, time, and other resources, and to realize the expected benefits of appliance energy efficiency policies.

Within the APEC region, 18 economies operate:

- 32 energy labeling programs
- 16 minimum energy efficiency standard programs

Assessment of Testing Capacity in the APEC Region

Verification testing – one of the most fundamental aspects of MV&E – is also one of the most challenging and resource-intensive to implement. S2E4 and APEC completed an analysis that identified testing capacity available in the APEC region to help policymakers access and leverage available testing resources.



Economies with the largest manufacturing capacity – China and the United States – have the most laboratory testing capacity in the APEC region. Economies with less robust testing capacity can leverage resources from neighboring countries. For example, a laboratory in Thailand is officially designated by the Vietnamese authorities to certify domestic refrigerators to compensate for testing capacity restraints in Vietnam.

Regional Collaboration Leads to More Cost-Effective Compliance

Through frequent and effective communications with each other, MV&E policymakers and practitioners greatly benefit from sharing lessons learned and best practice information.

APEC MV&E Network: A strategic regional approach to reduce non-compliance

A regional MV&E Network, convening market surveillance authorities and practitioners, is the first step towards achieving the goals of regionally coordinated and cost-effective MV&E activities. The Network will establish mechanisms for compliance information-sharing and building regular communications among MV&E authorities in the APEC region.

Benefits and Costs of MV&E Regional Coordination

Working collaboratively achieves more than just saving costs from product testing. The table below illustrates the potential benefits and costs from implementing a regional MV&E approach.

Regional MV&E Coordination	Benefits	Estimated Costs
Developing of shared intelligence and tools (e.g. databases)	<ul style="list-style-type: none"> Providing policymakers quick and easy access to reliable compliance intelligence Enabling withdrawal of non-compliance products across the Asia-Pacific markets (potential spill-over effect) 	There is a moderate cost for setting up and managing an online database. The cost for MV&E authorities to access information stored in the database could be low.
Conducting regional training and establishing guidelines	<ul style="list-style-type: none"> Building confidence of market surveillance authority staff on specific topic or product areas Less experienced MV&E authorities can benefit most from the knowledge transfer 	The cost of producing training materials and hiring an external consultant to conduct a training program could be moderate to high.
Sharing the costs of compliance testing between authorities	<ul style="list-style-type: none"> Reducing costs for purchasing samples and conducting compliance testing. It is particularly beneficial for MV&E authorities that often operate with limited budget 	The cost of testing a product can be substantial, e.g. +\$1500 for an air conditioner, so there is a potential saving of \$1000 per test per MV&E authority if three different MV&E authorities were sharing the cost.

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