

ASEAN'S 2020 ENERGY EFFICIENCY GOALS

How TIC Companies Can Help

26 October 2017 – ACE Roundtable at SIEW

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UL OPERATES IN
MORE THAN

14

EE LABS



FOR

39

Product Categories

UL HAS ENHANCED TRANSACTION SECURITY FOR:



500+ banks

20+ payment schemes

60+ mobile network operators

50+ governments/
transport operators



UL has helped to set
MORE THAN

1,600

standards defining safety,
security, quality and sustainability



**SCIENCE & GLOBAL
EXPERTISE**

UL SOFTWARE IS USED BY

10,000+



**ORGANIZATIONS IN
OVER 10 INDUSTRIES**



UL'S SUSTAINABILITY CERTIFICATIONS are referenced in

900+

SUSTAINABLE PRODUCT
SPECIFICATIONS OR PURCHASING
GUIDELINES AROUND THE GLOBE

UL SERVES

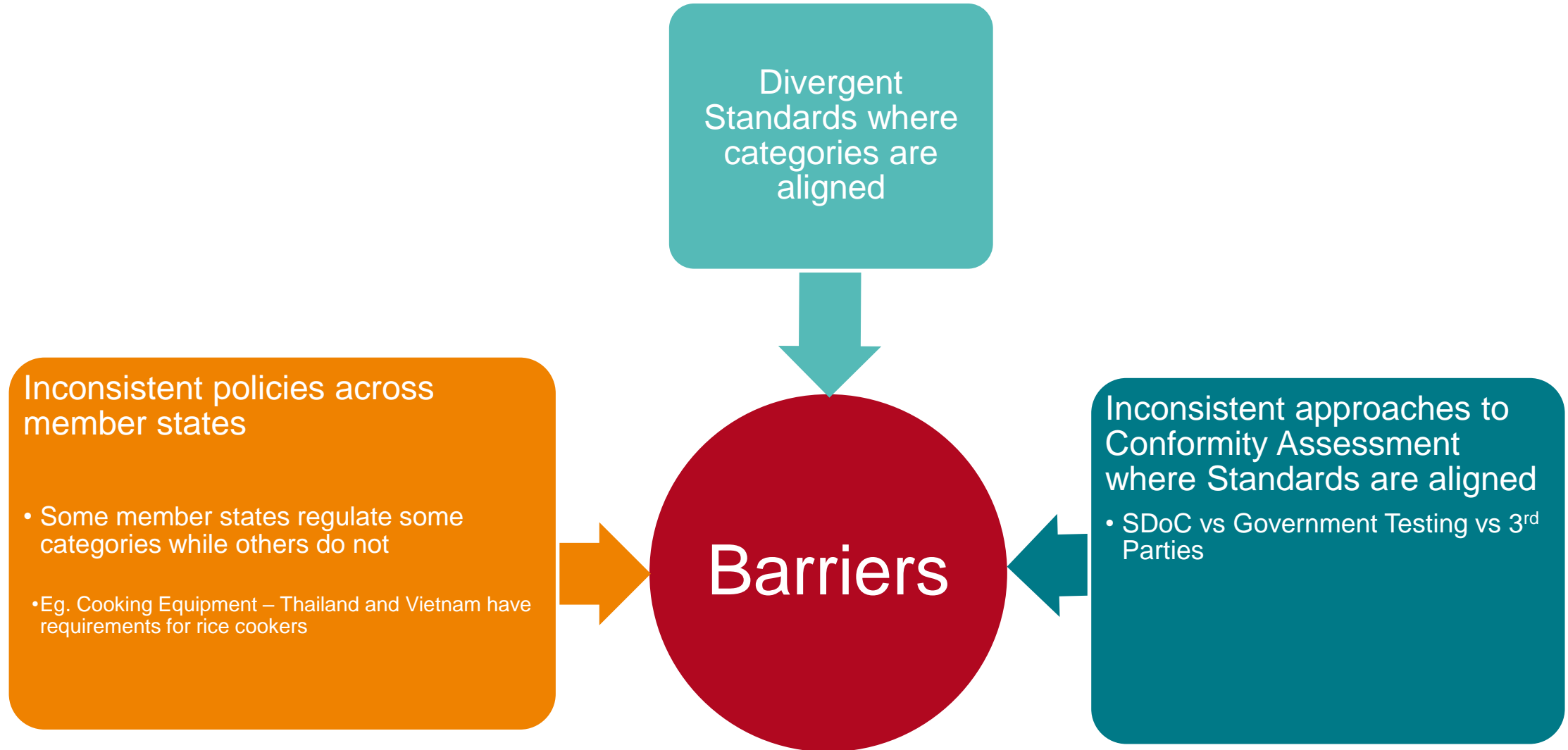
1 OUT OF 3

FORTUNE 500 COMPANIES



THE CHALLENGE:

HOW TO PROMOTE TRADE OF HIGH EFFICIENCY GOODS?

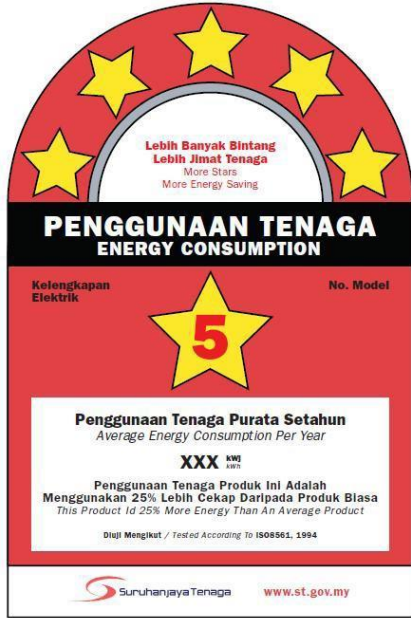


EXAMPLE: RESIDENTIAL REFRIGERATORS

Half of ASEAN Member States have 26 policies in effect for residential refrigerators

- Malaysia, Philippines, Singapore, Thailand, and Vietnam
- 18 mandatory; 8 voluntary
- 6 MEPS, 6 Endorsement, 14 Comparative Labeling
- 6 different test methods are referenced
- Different pathways to compliance





Malaysia



Endorsement Label used by Suruhanjaya Tenaga (Energy Commission)

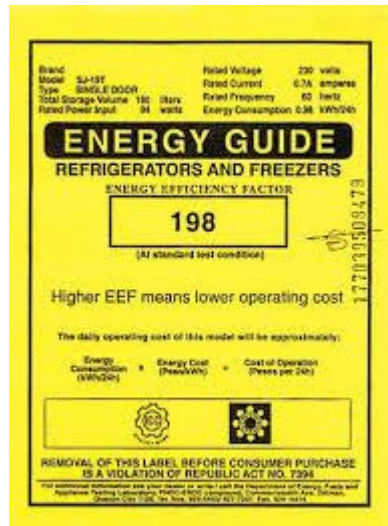


Indonesia

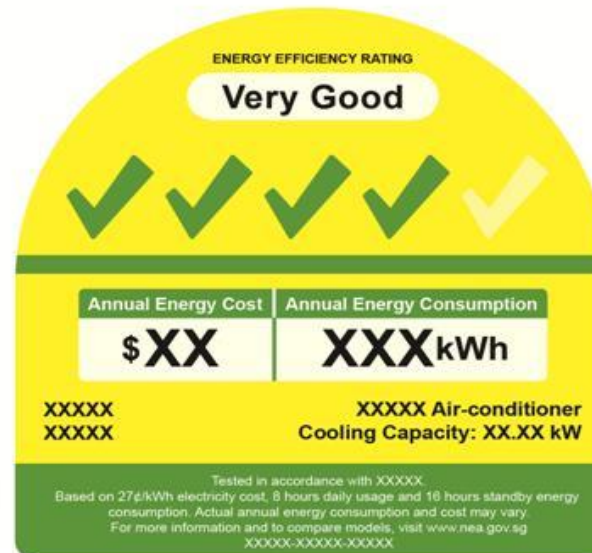
Thailand



Philippines



Singapore



Vietnam



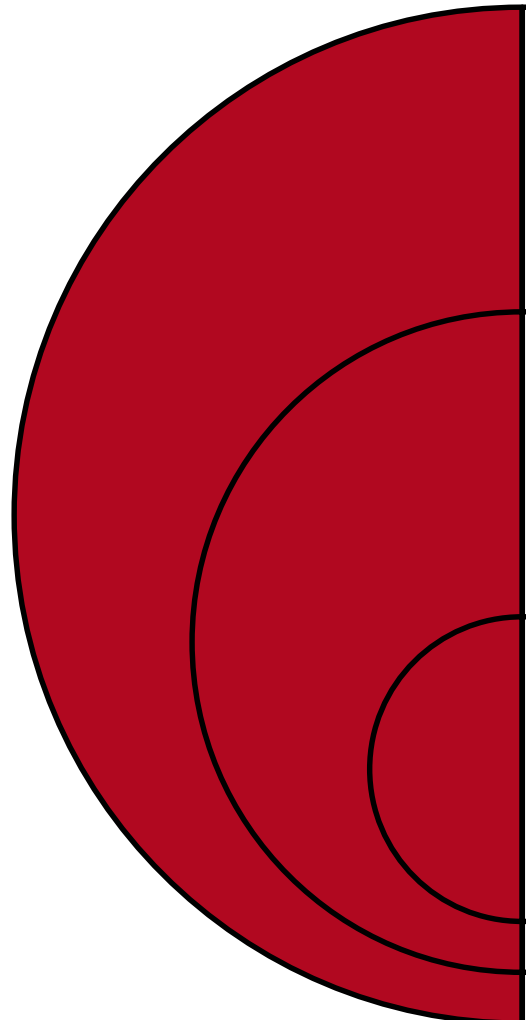
Nhãn năng lượng nhận biết



Nhãn năng lượng so sánh



UL RECOMMENDATIONS

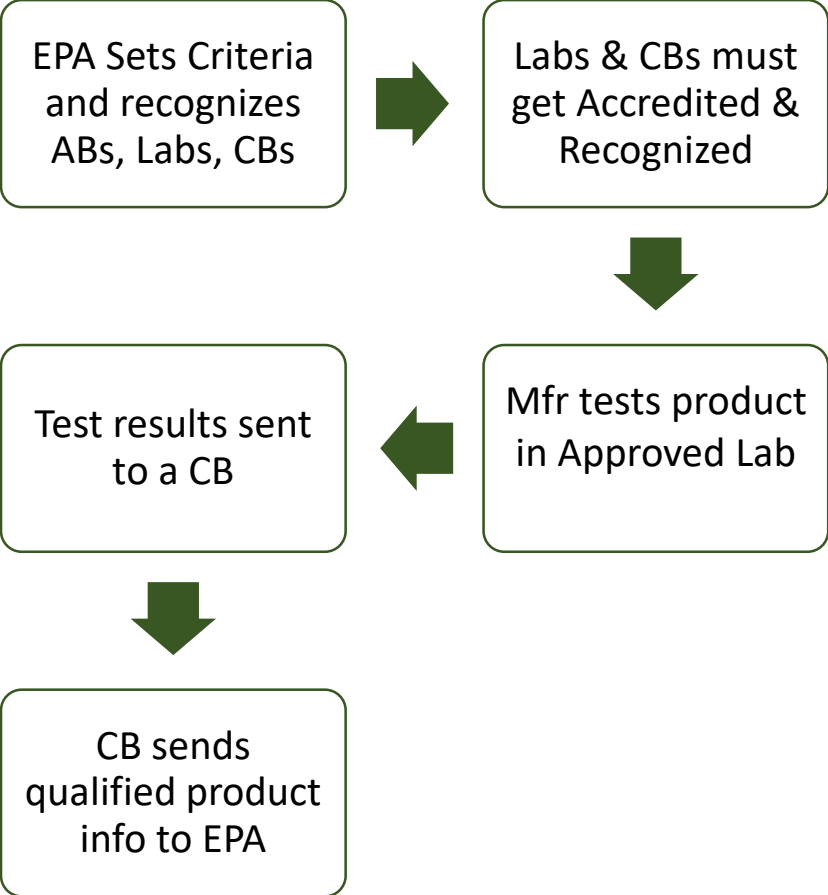


<p>Accelerate ASEAN SHINE to include more products</p>	<ul style="list-style-type: none">• RACs have been harmonized• LEDs, Motors, Transformers in development• Energy savings potential from many more products
<p>Expand ASEAN SHINE to create a single approach to Conformity Assessment similar to the US ENERGY STAR program</p>	<ul style="list-style-type: none">• Should leverage Accredited, Independent 3rd Party Labs• Minimizes government investment in program management• Frees up funds from government labs to be spent on other priorities
<p>Develop an ASEAN-wide label to promote high efficiency products with consumers</p>	<ul style="list-style-type: none">• Work with Member State regulators/utility companies to incentivize the purchase of labeled products• Conduct awareness campaigns around the label• Publicly recognize success<ul style="list-style-type: none">• Awards

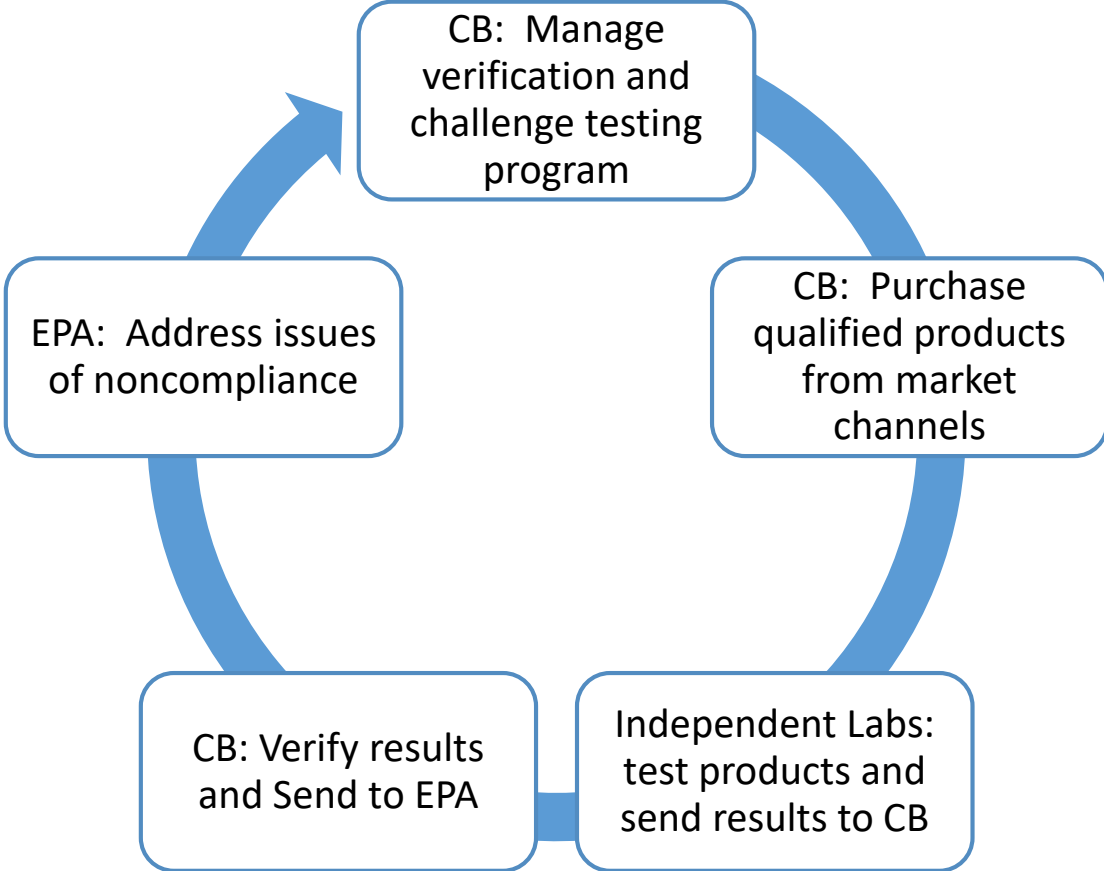


Case Study: The ENERGY STAR Approach

Pre-Market Certification Process



Post-Market Verification Process



THANK YOU

Anthony Tan
VP & Managing Director for
ASEAN

