



International
Energy Agency

Monitoring, Verification and Enforcement

*Improving compliance
within equipment
energy efficiency programmes*

*Policy
Pathway*



Equipment energy efficiency programmes

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Verification &
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Energy	
Manufacturer Model	Fridge-Freezer
More efficient	
A	A
B	
C	
D	
E	
F	
Less efficient	
G	
Energy consumption kWh/year (Based on standard test results for 24h)	325
Actual consumption will depend on how the appliance is used and where it is located	
Fresh food volume l	190
Frozen food volume l	126
	XXXX
Noise (dB(A) re 1 pW)	
Further information is contained in product brochures	
Norm EN 153 May 1990 Refrigerator Label Directive 94/10/EC	

Standards & labels (S&L) programmes are a common policy tool for promoting energy efficiency in equipment

“ ... having a compliance regime is not only about good governance, but also happens to be one of the most cost-effective ways to cut greenhouse gas emissions.”

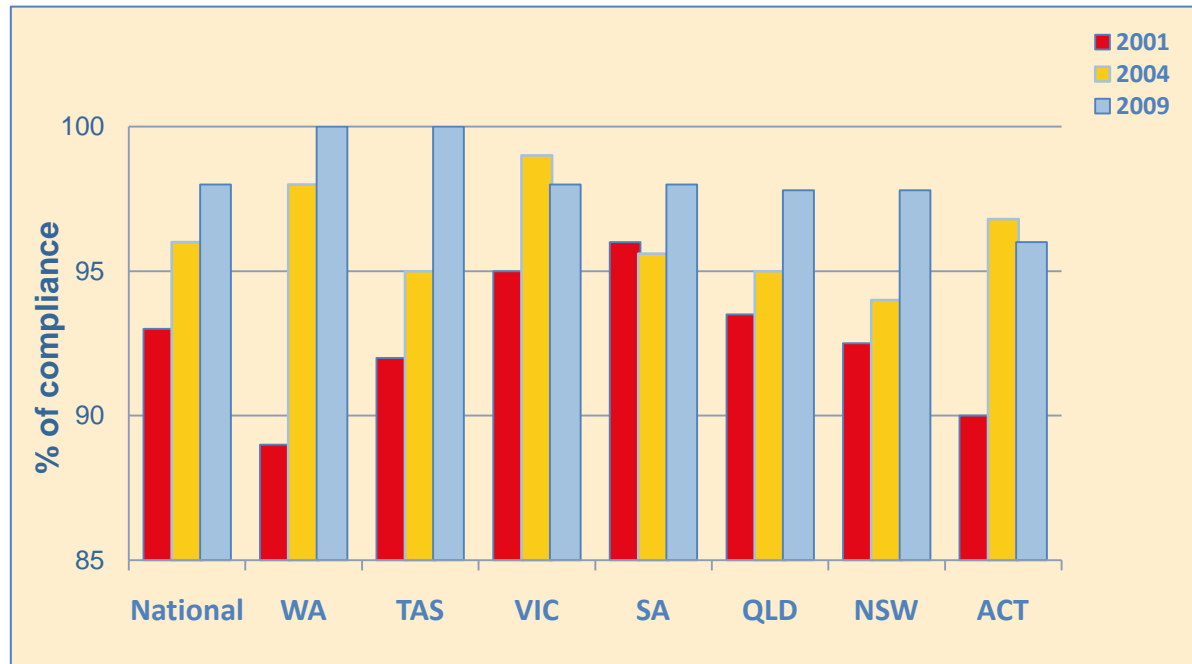
Mark Ellis, quoted in *Bright Spark, Efficient Electrical End-use Equipment Implementing Agreement*



What is monitoring, verification and enforcement?

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MVE activities ensure the integrity of S&L programmes by minimising non-compliance.



Benefits of monitoring, verification and enforcement

- More “bang for your buck”
- Assists policy makers
- Assists manufactures
- Gives confidence to consumers

Consumer interest must be protected, We are working to ensure that consumers have faith in our labelling scheme.

Sandeep Garg, Energy Economist and Manager, Standard and Labelling Bureau of Energy Efficiency, India

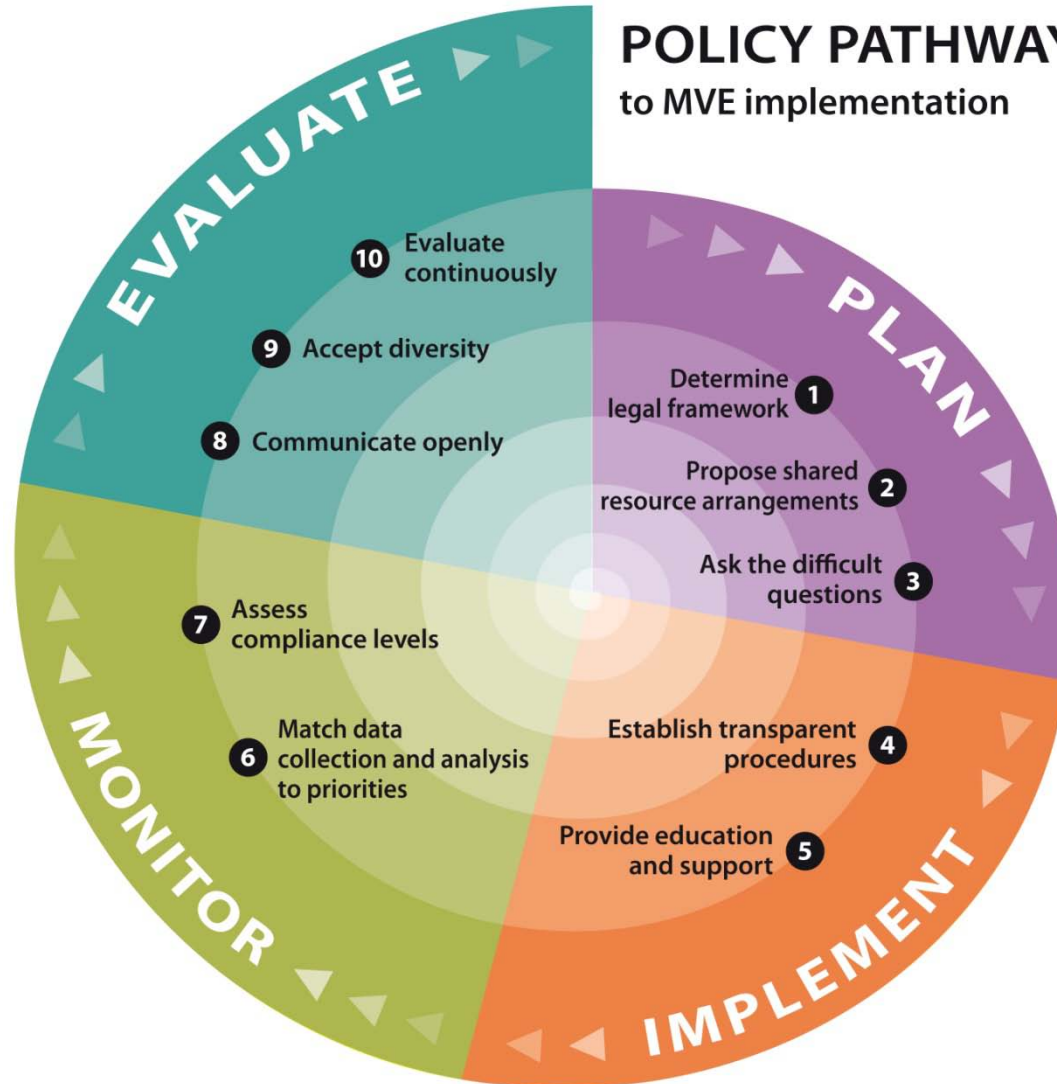
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The equipment MVE Policy Pathway

POLICY PATHWAY
to MVE implementation



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Main messages



- MVE is critical
- MVE not simple – not obvious to everyone at every stage of policy pathway.
- MVE requires training and support for new programme managers.
- MVE must be:
 - robust and match needs with resources and changing goals of maturing S&L programmes.
 - tailored to legal requirements, the capacity of the people involved and time available to complete the actions.
- International cooperation is important
- *If you need an MVE wheel, don't re-invent it yourself.*

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