

**HERS  
TRAINING  
AND SYSTEMS  
INTERNATIONALLY**

**RESNET 2013  
Steve Byers**

# TRAINING OVERSEAS

- Why?
  - Driven by LEED H
- Where?
  - China, Taiwan, Hong Kong
- How?
  - eLearning? Field exams? Proctoring?
- Restrictions?
  - Square pegs and round holes



# CHINA AND ASIA

- Technical Challenges
- Cultural Challenges
- Future?



# TAIWAN



# AFTER TRAINING?

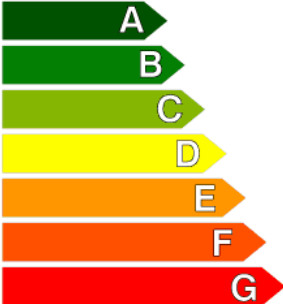

- **Support**
  - Modifications to systems and standards
- **Certification**
  - Mentoring
  - Oversight
- **Equipment**
  - 220 V ?
  - Blower door or duct blaster or both?



# OTHER NATIONS?

## ■ EU

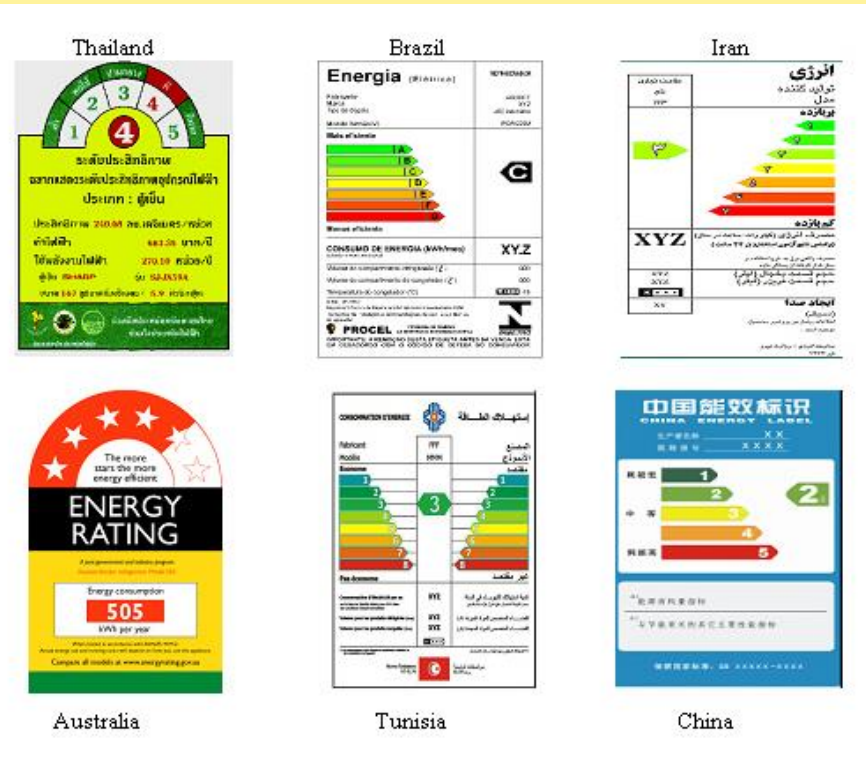
- Mature
- Standards set
- Inverse of US situation

<b>Energy</b>		<b>Washing machine</b>
Manufacturer Model		
<b>More efficient</b> 		<b>B</b>
<b>Less efficient</b> Energy consumption kWh/cycle <small>(based on standard test results for 60°C cotton cycle)</small> <small>Actual energy consumption will depend on how the appliance is used</small>		<b>1.75</b>
Washing performance <small>A: higher G: lower</small>		<b>A</b> B C D E F G
Spin drying performance <small>A: higher G: lower</small> Spin speed (rpm)		<b>A</b> B C D E F G 1400
Capacity (cotton) kg		5.0
Water consumption		5.5
Noise (dB(A) re 1 pW)		Washing: 5.2 Spinning: 7.6
Further information contained in product brochure		



# OTHER NATIONS?

- Characteristics needed for successful HERS System
  - Middle class
  - Home ownership
- Where are we not needed?



# WHERE TO?

- Africa
- South Asia
- South America
- ?





# THANK YOU!

- Questions?

- Steve Byers

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