

UNERWRITERS LABORATORIES INC.



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LEBANON INSPECTION CENTER



Topics to Cover

1. Who is UL
2. Standards
3. Certification Process
4. Periodic Factory Inspection
5. Choosing a Certificate



Who is UL?

- Founded in 1894
- Independent, not-for-profit, third party Safety Certification Organization
- Developer of product safety standards



UL Facts

- 1150 current UL Standards
- 19,200 product types/categories
- Over 72,000 manufacturers produce UL certified products
- UL conducted over 552,000 Follow Up audits last year
- 21 billion UL MARKS used in 2005



Basic Standard Issues

- Safety standards are intended to reduce the following risks:
 - Fire
 - Electric shock
 - Personal Injury



Additional Issues Addressed

- Life Safety and Fire Protection Equipment
 - Resistance to unwanted operation
 - Reliability of operations
- Environmental and Public Health



Typical Standard Content

- Performance requirements
 - Normal
 - Abnormal
- Markings and instruction manual
- Production line testing
- Standards guide you to compliance
- Compliance → Competitive Product → Market Access



Certification Process

- Product investigation (6 months – 1 year)
- Periodic factory inspection (Continuous & Unannounced)



Product Investigation

Manufacturers from all over the world
submit products for Testing & certification.

N° of tests in 2003 at UL 108.000



Testing Report

- Not proof of Listing
 - Product Marking or certification is the only proof.



Periodic Factory Inspection

After successful testing of a product, the product and manufacturer are subject to periodic inspections.

Our main role is to check products bearing the UL Label
Continue to meet UL requirements.

This important program protects and controls the use of the UL Label.



Follow Up Services

Each month, UL inspectors make unannounced inspection visits to factories authorized to apply UL Labels.

To observe, inspect and select samples for further testing at UL laboratories.



Inspection Visits Benefits

- Audit compliance with UL requirements & procedure.
- Continuous assistance to manage risk & product liability.
- Consistency in production.
- Proper use of UL labels.



Market Access

Certification on Product Supports Access
to Major World Markets


Such as:

EUROPE, NORTH AMERICA,
SOUTH AMERICA, & ASIA



Choosing a Certificate

UL	MARK	CCC	(CHINA)
CE	Marking	UL-Br	(Brazil)
GOST	(Russia)	UL-Ar	(Argentina)
PSE	(Japan)	NOM	(Mexico)
<u>European Marks</u>			
CB	Scheme	EMC	ENEC
D	Mark	CCA	
GS	Mark		
HAR	KEYMAR		



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THANK YOU

