



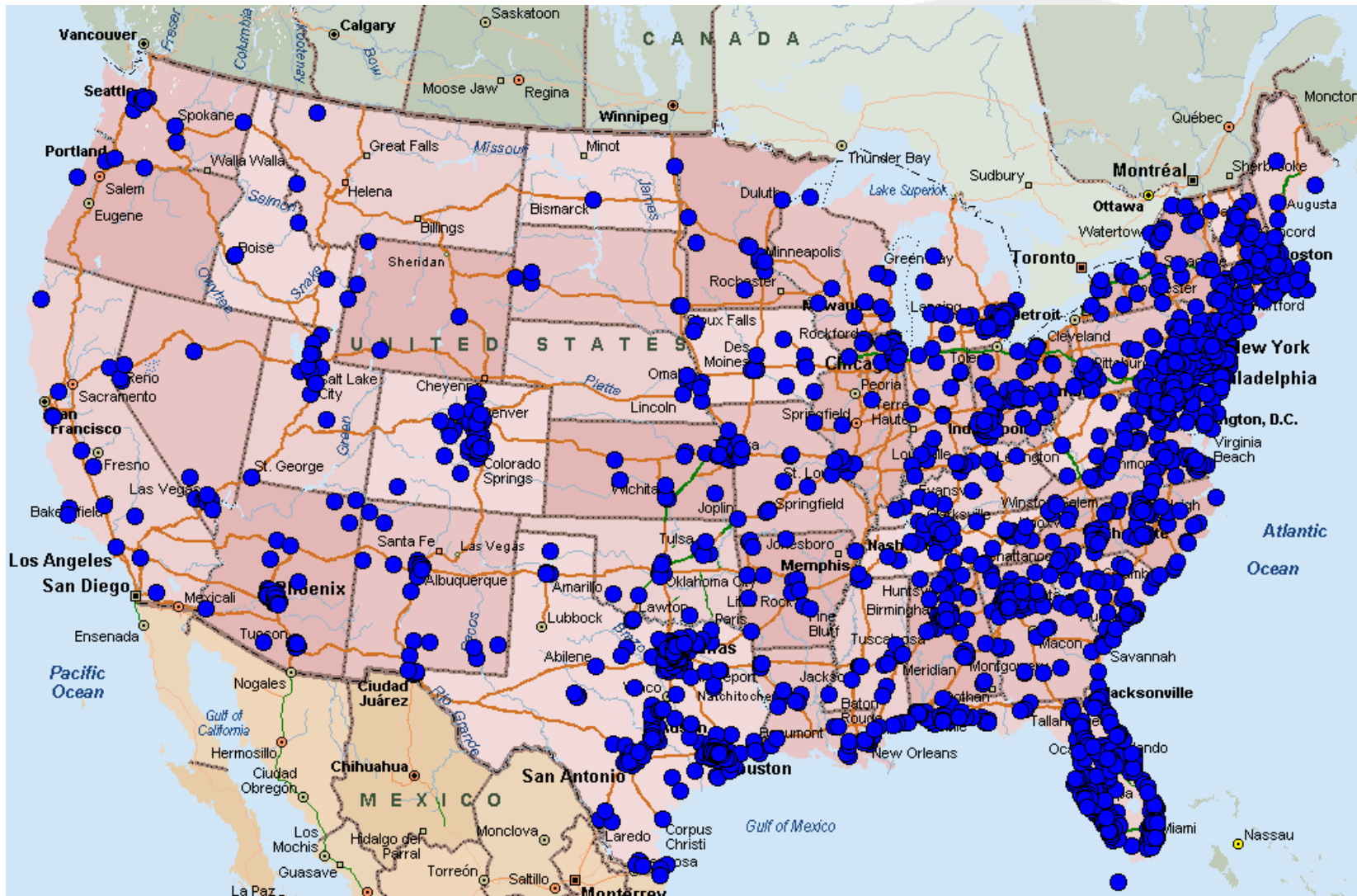
# 2007 Annual Conference

United Lightning Protection Association  
&  
Lightning Protection Institute



## • **2006 UL Lightning Inspection Summary**

- 4000 System Inspections
- 196 Inspectors Retested in 2006
- International Inspections:
  - Guinea, Africa
  - Guam, Micronesia
  - Yap, Micronesia





## New Public and Private Website Design

- Improved content and clarity
- New Search Engine with full text search capabilities
- Public/Private News Separated
  - Pricing Info Requires Log-In
- Redesigned Application Summary Page



## New Certificate Design

- New Look
- New Format
- New Name
- Detailed Scope of Inspection
- Change in Surge Exemption

 Underwriters Laboratories Inc.®  
300 PINGSTON ROAD, NORTH ROCK, ILLINOIS 60062

Certificate Number \_\_\_\_\_  
Inspection Date \_\_\_\_\_  
Expiration Date \_\_\_\_\_

**Lightning Protection Services**

**CERTIFICATE OF INSPECTION**  
For  
**LIGHTNING PROTECTION SYSTEMS**

This certificate reports the findings of an inspection by Underwriters Laboratories Inc. of a lightning protection system. The inspection was conducted using all applicable sections of \_\_\_\_\_ edition, issued on \_\_\_\_\_. The system was found to comply with these requirements at the time of inspection. At the request of the installing company, the following item(s) were omitted from the scope of the inspection:

The surge protection system was not inspected. Surge protection devices are a required and integral component of a complete lightning protection system and should be provided on all incoming and exiting electric power, data, and communication services.

Sufficient evidence of complete and interconnected grounding electrode systems was not provided or could not be verified during our inspection. Grounding systems are a vital part of a complete system, and should be properly installed and maintained.

Structure:  
Address: \_\_\_\_\_

Installing Company:  
Address: \_\_\_\_\_

This certificate is only valid for five years based on UL's reasonable estimate that the system will remain unchanged. Any modifications to electrical, mechanical or communication systems of the structure will affect lightning protection devices and may render protection afforded by this system ineffective. These changes will invalidate our certificate earlier than the ~~XXXXXX~~ period.





## Elimination of Letter of Findings

- Letter created when metal UL96A Master Label was only option.
- Remained in effect through first transition to electronic system.
- Need for different certificates obsolete.
- Will be replaced by new inspection certificate design.
- Downloadable communication announcing change and impact will be posted on UL Lightning Protection website.
- Planned to be eliminated with roll-out of new web application form.



## Notification of Expiring Applications

- Notifications are sent as a courtesy to the original installer.
- Monthly E-mail Summary of Certificates sent approximately 6 months prior to Expiration Date.
- Notification will not be sent to building owner on record.



## Cancellation of Old Applications

- New application website will allow the applicant to cancel applications at any time, for any reason, prior to inspection.
- UL Lightning Protection Administrator may also cancel applications.
  - Reason will be emailed to applicant in case of UL initiated cancellation.
- All applications will automatically cancel upon withdrawal from UL LPS Program.
- All draft (not submitted) applications will expire after 6 months.



# United Lightning Protection Association Inc. & Lightning Protection Institute, 2007 Conference



## Price Change Effective July 1, 2007

Announcement Previously Sent End of January 2007

<b>Description</b>	<b>Unit</b>	<b>Price Now</b>	<b>Price From July 1, 2007</b>
Perimeter of Structure 100 ft or Less	Each	\$85	\$85
Perimeter of Structure 101 ft to 300 ft	Each	\$110	\$120
Perimeter of Structure 301 ft to 1000 ft	Each	\$220	\$250
Perimeter of Structure 1001 ft to 3000 ft	Each	\$440	\$480
Perimeter of Structure Greater Than 3000 ft	Each	\$550	\$575
Perimeter of Structure 100 ft or Less	Hour	\$104	\$120
Perimeter of Structure 100 ft or Less	Hour	\$104	\$120



## Surge Exemption Update

- Exemption language will be revised in new certificate design.

At the request of the installing company, the following item(s) were omitted from the scope of the inspection:

The surge protection system was not inspected. Surge protection devices are a required and integral component of a complete lightning protection system and should be provided on all incoming and exiting electric power, data, and communication services.



## Surge Protection Update

- New Edition of UL 1449 Published on 9/30/2006.
- New Surge Protection Requirements Proposed for UL 96A.
- 13.1 A surge protective device complying with the Standard for Transient Voltage Surge Suppressors, UL 1449 and ANSI/IEEE C62.11, Standard for Metal - Oxide Surge Arresters for AC Power Circuits installed in accordance with Article 280 of the National Electrical Code, ANSI/NFPA 70, or a Transient Voltage Surge Suppressor marked for LPS application, installed in accordance with Article 285 of the National Electrical Code, ANSI/NFPA 70, shall be installed on each electric service entrance. Type I or Type 2 SPDs rated to 20 kA or more nominal discharge current ( $I_n$ ), in accordance with the Standard for Surge Protective Devices, UL 1449, may also be used in this application.



## Which Surge Devices are Acceptable?

1. Listed TVSS for LPS application installed on the load side of the service disconnect overcurrent protection. (XUHT)
  2. Complimentary Listed TVSS/Surge Arresters installed on the line or load side of the service disconnect overcurrent protection. (OWHX)
  3. *Listed Type 1 SPD, rated 20KA (In), installed on the line or load side of the service disconnect overcurrent protection.*
  4. *Listed Type 2 SPD, rated 20 KA (In), installed on the load side of the service disconnect overcurrent protection.*
- Listing will not be offered for surge protectors in Items 1 and 2 after 9/30/09.



- **Questions for Industry:**

- Should UL begin to require ground wells to facilitate inspections of grounding electrode systems and connections?
  - Send comments to UL Lightning Protection Email
  - [Lightningprotection@us.ul.com](mailto:Lightningprotection@us.ul.com)



## Summary:

- o New web design and application form
- o New Certificate Design
- o Elimination of Letter of Findings
- o Notification of Expiring Applications
- o Cancellation of Old Projects
- o New Prices in July 2007
- o Surge Protection, New Standard UL 1449
  
- o Question: Ground Wells and Ground Resistance Testing



- **Thank you.**

