NAATBatt 2020
CSA Group Member Update

Jim Green
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CSA Group – 100 Years of Heritage
FOCUSING ON THE FUTURE SINCE 1919

Testing, Inspection, and Certification

Reliable testing expertise across major industries around the world

2000 Employees
+2250 Accredited Certification Programs
39 Offices
+200 Countries
Certification Marks and Labels

CSA Group certification marks are recognized throughout the world on many common household items, as well as commercial equipment. Some examples shown below:
Additional Services Complement Certification
CREATING SOLUTIONS THAT ENABLE YOUR BUSINESS

- Product Evaluation Testing
- Global Market Access
- Functional Safety
- Field Evaluation/Special Inspection
- Energy Efficiency Verification
- Cyber Security
Battery Testing and Certification

• Testing and certification for cells and packs
  ▪ Transportation testing
  ▪ US, Canadian, International certification
  ▪ Benchmarking, quality assurance, third party attestation of performance

• Energy storage system certification
  ▪ Battery, System, and supporting component certification
  ▪ Fire testing
  ▪ US and Canadian Field Evaluation and Special Inspection

• E-Mobility applications
  ▪ LEV and consumer/industrial certification

Common Standards:

• Cell/Pack
  ▪ UN 38.3
  ▪ IEC 62133
  ▪ UL 1642, 2054
  ▪ IEC 60086 series
  ▪ Lead acid – UL 1989, IEC 60896 series

• Energy Storage
  ▪ UL 1973, 9540
  ▪ UL 9540A
  ▪ IEC 62619
  ▪ Functional Safety

• E-mobility
  ▪ UL 2271, 2272

... and many more

Technical Information Service (TIS):
Upfront meeting to help you understand the applicable standards and develop a successful compliance plan
New for 2020: Repurposed Battery Certification

• NAATBatt is a leading organization on the important discussion of end of life for batteries
• Concerns exist regarding performance and safety of repurposed batteries


• Process standard to review the sorting and grading of batteries
• Goal is to enable a process which leads to repeatable, quality results
• UL 1974 compliant products still need to comply with relevant product standard such as UL 1973

CSA is now Accredited to provide UL 1974 certification
New Developments – Cybersecurity

• Effect of cyber attack on an ESS
  ▪ Compromise safety
  ▪ Financial loss
  ▪ Loss of confidentiality

• Current ESS codes and standards do not reference cyber security

• Cyber protection is critical from design phase through ongoing maintenance – response to the inevitable attack is a critical aspect of the process

CSA can provide a full spectrum of services for cybersecurity
Thank you.

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