



FOR IMMEDIATE RELEASE

**TMC/Resilient Provides Significant Technical Insights into the Development of the New Safety and Emergency Communications Standard Adopted and Released Today by CSA for Industrial and Commercial Applications.**

**DALLAS, TEXAS (November 29, 2010)** Resilient Integrated Systems (Resilient) (a wholly owned subsidiary of Technology Mining Company (TMC)), the leading provider of Hybrid Power & Communications Systems (HPCS) specifically engineered for extreme stress and harsh environments, announces that the new C-22.2 No. 267 Wiring Standard was released today by the Canadian Standards Association (CSA). This new standard is also referred to as the Armored Segmented Power & Communications Assembly (ASPCA) and specifies the construction and testing of this composite cable system suitable for life-safety and emergency applications. This standard applies to fire-resistant-rated, armored, thermally-insulated, strain-relieved, multi-conductor, segmented, power and communications cable systems, rated up to 600 V and intended for use in industrial and commercial applications. As a developer of proprietary, patent-pending cable technology that will dramatically increase the level of survivability for a Safety and Emergency Communications cable assembly, Resilient offered significant technical insight into the development of the new CSA Standard. CSA's announcement of the new *C-22.2 No. 267-10, Armored Segmented Power and Communications Assembly* standard can be viewed at [www.csa.ca](http://www.csa.ca) and by clicking on "News".

"The formal approval and release of this standard is nothing short of groundbreaking. This new standard increases the required level of survivability for a power and communications cable by more than 300%, from the current level of 194 degrees (F) for a minimum of 20 minutes to the new requirement of 600 degrees (F) for a minimum of 1 hour. Imagine how many lives are potentially affected or saved because elevators, fire suppression systems, and In-Building Emergency Communications systems continue to work during an emergency, natural disaster, or catastrophic event. This elevated level of survivability is long overdue and is an extremely important development for the millions of people who live and work in urban centers around the world," said Dave Juring, CEO of TMC, the company that pioneered the technology.

Cal Woosnam, CTO of Resilient recognized the need for an ultra-durable emergency communications and power system years ago while working as a court approved Fire loss investigator for the insurance industry. Mr. Woosnam was instrumental in setting the company on a path to develop these ruggedized high-temperature power and communications products and submitting the technology specifications as the basis for standardization.

"We designed the Hybrid Power and Communications System cable as part of a universal communications system that provides a physically secure connection capable of withstanding some of the most extreme conditions while continuing to provide essential communications and power to safety and emergency response systems. After working for the past two years to accomplish this goal, we are extremely pleased that the CSA's Technical Committee has approved the adoption of this critically important new safety and emergency communications wiring standard," said Woosnam, CTO of TMC.

## **Approval of the New C-22.2 No.267 Wiring Standard creates the basis for new “Safety and Emergency Communications” products.**

It turns out that one of the weak links across the world is also one of the most critically important, the cabling that connects all of the new-Millennium safety and security technology that these systems depend on to provide power and communications so they will continue to function properly. A great example of this is one of the world’s largest mass-transit systems... elevators. In the USA alone, over 100 Million lifts are performed every day, with over 700,000 elevators in service nationwide. Chances are, you’ve been in an elevator within the last few days and you made it to your destination without incident. Yes, they are very safe and reliable. The problem is, like most of the safety and security technology we depend on, the elevator’s power and communications connections can be disrupted very easily with a cable cutters or fire. Well, not any more. Technology Mining Company, the developer of the technology behind the CSA C-22.2 No.267 Wiring Standard has developed several products that meet the new wiring standard, and addresses these types of threats. TMC/Resilient stands ready to meet worldwide demand for this exciting new category of composite Power and Communications assembly products.

Resilient’s cable technology was subjected to extensive testing by engineers certified by The Institute of Electrical and Electronics Engineers (IEEE) in IEEE certified ovens leading up to the adoption of the new standard. This testing subjected the HPCS cable to temperatures in excess of 1,200 degrees (F) while streaming video at the rate of 4 Megabits per second (Mbps) for more than 90 minutes. During this testing, the video streaming produced no bit error and no bit loss while maintaining power across 3 conductors with no shorts or power loss, simply put, the cable functioned perfectly. In a separate test the HPCS cable was subjected to a temperature in excess of 600 degrees (F) for a period of more than 19 hours and the cable functioned normally and exhibited no signs of stress or failure.

### **Availability**

Resilient’s ASPCA-compliant HPCS Cabling is available for immediate order in several different configurations.

For more information on Resilient’s ASPCA-compliant HPCS Cable product, contact Chase Morris, Executive Vice President, Business Development, TMC/Resilient Integrated Systems at (o) 972-992-4944, or email at [chasemorris@resilientnetwork.com](mailto:chasemorris@resilientnetwork.com) or visit our website at [www.resilientnetwork.com](http://www.resilientnetwork.com) .

### **About Resilient Integrated Systems**

Resilient was founded in 2008, and its mission is to dramatically enhance the ability of an individual or entity, whether governmental, commercial or industrial, to detect and properly respond to a variety of communications, safety, emergency response, and adversarial security threats relating to Homeland Security, natural disasters and catastrophic events. This technology is engineered to work in the most extreme conditions allowing for the effective delivery of safety, security, loss mitigation, emergency response and disaster recovery solutions.

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