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## Quallion Announces 1.8Ah Lithium-ion Cell for Aerospace/Military Applications

**(Sylmar CA, November 1, 2013)** – Quallion, a leading developer and manufacturer of advanced lithium ion batteries, announces the development of a long life 1.8Ah cell for use in aerospace and military applications. The lithium ion cell, includes Quallion’s patented Zero Volt™ technology and long life chemistry designed for Low Earth & Geosynchronous Orbit use (>20,000 cycles).

The 1.8Ah cell is designed to operate in discharge temperatures between 10C and 30C. It has a weight energy density of 105wh/kg and volumetric energy density of 215wh/l.

The cell utilizes Quallion’s patented Zero Volt™ technology which enables lithium ion cells to be cycled to zero volts and stored in this deep discharged condition for repeatedly and for extended periods with no impact on cell performance. Zero Volt™ battery technology offers many benefits to the space industry, including the ability to handle high voltage systems in an “inert” state; decreasing safety risks associated with long-term storage; dead bus recovery; and eliminating extra costs associated with storage and shipping of a charged lithium ion battery.

“Quallion has recognized that there is a need for a highly reliable small lithium-ion cell for the small satellite market. This 1.8Ah design leverages Quallion’s heritage in small medical cells and larger satellite cells to fill this currently unmet need,” says Vincent Visco, Senior VP of Strategy and Business Development. Quallion anticipates the main use of this cell to power small satellites for LEO and GEO orbit.

### About Quallion LLC

The U.S. based company designs, fabricates and manufactures state-of-the-art lithium ion cells and battery packs, and develops new battery chemistries for the military, aerospace, medical and automotive industries. Building on its legacy leadership position in the medical device industry, the company has developed a range of novel enabling technologies that include the world’s smallest implantable secondary battery and the proprietary Zero-Volt™ and SaFE-LYTE™ technologies. Leveraging its core engineering capabilities, Quallion has established itself as a leader in applications where advanced battery technology, safety, reliability and custom engineering are most valued. For more information about Quallion, visit [www.quallion.com](http://www.quallion.com).

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