

Ball Aerospace Powers On Joint Polar Satellite System (JPSS-1) Spacecraft

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BOULDER, Colo., March 17, 2014 /[PRNewswire](#)/ -- Ball Aerospace & Technologies Corp. has applied power to the Joint Polar Satellite System (JPSS-1) spacecraft bus for the first time, a significant milestone for achieving on-time delivery to the National Oceanic and Atmospheric Administration (NOAA) for a planned early 2017 launch.

Power-on is the first time that the spacecraft bus is operated as a system with the core Electrical Power & Distribution System (EPDS) and the integrated components of the Command & Data Handling (C&DH) subsystem. Power will be cycled on/off continuously over the next nine months of spacecraft integration and testing.

"We have now demonstrated that the core avionics are successfully integrated and in good health," said Cary Ludtke, vice president and general manager for Ball's Operational Space business unit. "Following installation and testing of satellite components and subsystems this year we'll be ready for instrument integration at the satellite level beginning in November 2014."

JPSS-1 is being built and integrated at the Ball Aerospace Fisher Integration Facility, Boulder, Colorado. The satellite is making steady progress toward a 2017 launch date, most recently completing a successful SpaceWire Inter-operability test. The test was a risk reduction activity to provide early verification of the network's architecture design and implementation for high-speed communications data handling.

JPSS-1 measurements are key for weather observation and continuity of long-standing environmental records that are currently provided by the Suomi National Polar-orbiting Partnership satellite launched in 2011. JPSS-1 is the first operational version of the next generation of satellites to be managed by NOAA with NASA as the program's procurement agency.

NOAA recently announced that all five instruments that will fly on the JPSS-1 satellite are now in the environmental testing phase, including the Ozone Mapping and Profiler Suite being built by Ball.

Ball Aerospace & Technologies Corp. supports critical missions for national agencies such as the Department of Defense, NASA, NOAA and other U.S. government and commercial entities. The company develops and manufactures spacecraft, advanced instruments and sensors, components, data exploitation systems and RF solutions for strategic, tactical and scientific applications. For more information, visit www.ballaerospace.com.

Ball Corporation (NYSE: BLL) supplies innovative, sustainable packaging solutions for beverage, food and household products customers, as well as aerospace and other technologies and services primarily for the U.S. government. Ball Corporation and its subsidiaries employ 14,500 people worldwide and reported 2013 sales of \$8.5 billion. For more information, visit www.ball.com, or connect with us on Facebook or Twitter.

Forward-Looking Statements

This release contains "forward-looking" statements concerning future events and financial performance. Words such as "expects," "anticipates," "estimates" and similar expressions identify forward-looking statements. Such statements are subject to risks and uncertainties, which could cause actual results to differ materially from those expressed or implied. The company undertakes no obligation to publicly update or

revise any forward-looking statements, whether as a result of new information, future events or otherwise. Key risks and uncertainties are summarized in filings with the Securities and Exchange Commission, including Exhibit 99 in our Form 10-K, which are available on our website and at www.sec.gov. Factors that might affect: a) our packaging segments include product demand fluctuations; availability/cost of raw materials; competitive packaging, pricing and substitution; changes in climate and weather; crop yields; competitive activity; failure to achieve productivity improvements or cost reductions; mandatory deposit or other restrictive packaging laws; changes in major customer or supplier contracts or loss of a major customer or supplier; political instability and sanctions; and changes in foreign exchange or tax rates; b) our aerospace segment include funding, authorization, availability and returns of government and commercial contracts; and delays, extensions and technical uncertainties affecting segment contracts; c) the company as a whole include those listed plus: changes in senior management; successful or unsuccessful acquisitions and divestitures; regulatory action or issues including tax, environmental, health and workplace safety, including U.S. FDA and other actions or public concerns affecting products filled in our containers, or chemicals or substances used in raw materials or in the manufacturing process; technological developments and innovations; litigation; strikes; labor cost changes; rates of return on assets of the company's defined benefit retirement plans; pension changes; uncertainties surrounding the U.S. government budget, sequestration and debt limit; reduced cash flow; ability to achieve cost-out initiatives; interest rates affecting our debt.

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