

National Aeronautics and
Space Administration

Lyndon B. Johnson Space Center
2101 NASA Road 1
Houston, Texas 77058-3696



Reply to Attn of: **ES2-01-027 (Rev.)**

June 21, 2001

Mr. Robert Roche
CTRL Systems, Inc.
1004 Littlestown Pike - Suite H
Westminster, MD 21157-3026

Subject: CTRL UL101 Manifested on Space Shuttle

Dear Bob:

Congratulations, the **CTRL UL101** is now on the official manifest of Flight STS-104 (7A). This mission is scheduled for launch in July 2001. The Orbiter Atlantis will deliver the UL101 to the International Space Station for its first year's mission, with the UL101 aimed to provide acoustic ultrasound diagnostics on the ISS. We look forward to working with your R & D Department to define and expand the possible applications for this device.

NASA has been aware of, and has been investigating, the potential use of ultrasound detection for sometime. There have been several investigations of available products, as well as a unit developed by NASA itself. Based on the review panel's observations, which were made at our joint meeting in February, we are confident that the UL101 will meet our mission needs based upon its performance (noise-to-signal ratio), its size, its ease of operation - as noted by the astronauts, and its price-to-performance ratio.

The last 90 days have been encouraging. We were jointly able to take your off-the-shelf product and, in an expeditious manner, identify and execute the steps necessary to make it space-hardened. The prompt action by CTRL Systems gave the necessary departments within NASA the time needed to execute their qualification tests, which enabled NASA to place the UL101 on the upcoming mission.

Both of our organizations can take pride in this demonstration of rapid response, one that allowed new technology to be sent to the ISS to further benefit its mission.

Thank you again for your dedication and effort. I look forward to working with CTRL on the expansion of the product.

A handwritten signature in black ink, appearing to read "George Studor". The signature is fluid and cursive, with a large initial "G" and "S".

George Studor
NASA Johnson Space Center
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