



Initial Results from Department of Commerce Rocket Propulsion Industrial Base Survey

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Propulsion Industrial Base Evaluation Triad





Survey Background

- NASA has a history of requesting Space-related surveys with the DoC (2009-Human Space Flight Industrial Base Assessment, 2012-U.S. Space Industry Deep Dive)
- NASA/NIRPS leads contract with DoC to Survey the Key Propulsion Suppliers
- Aerospace Corp and USAF are also part of collaboration to analyze and vet data
- Draft survey reviewed by JANNAF partners 12/8 for final time, added questions for Test & Eval and DLA Energetic Commodities
- First wave deployment was on April 12 to ~ 300 suppliers
- Second wave deployment occurred on October 20 to ~200 suppliers

Data will be used to update PropSIMA Tool, to help populate JANNAF PIB Key Decision Point and Integrated Program Plan Document and to develop propulsion industry trends and metrics



Biographies

Jason Bolton, Department Commerce. BIS

Dr. Robert Erickson, The Aerospace Corporation

Senior Project Engineer specializing in Propulsion Industrial Base Analysis

Dr. Erickson has been working with the NIRPS/JANNAF team at NASA Marshall Space Flight Center for the past nearly four years. This collaboration has focused primarily on the development and maintenance of analysis tools for the domestic space-lift propulsion industrial base. Prior to this, Dr. Erickson was the RS-68 technical lead for Delta IV mission assurance activities at Aerospace as well as a technical contributor for new entrant certification activities. Before starting this position at Aerospace, Dr. Erickson specialized in the study of combustion instabilities in air-breathing propulsion systems while working at the United Technologies Research Center.

