IAF HUMAN SPACEFLIGHT SYMPOSIUM (B3)
Governmental Human Spaceflight Programmes (Overview) (1)

Author: Dr. Lisa Watson-Morgan
NASA, United States

Dr. Greg Chavers
NASA Marshall Space Flight Center, United States
Mr. John Connolly
United States
Mrs. Alicia Dwyer-Cianciolo
NASA, United States
Dr. Chance Garcia
NASA Marshall Space Flight Center, United States
Mr. Daniel Mazanek
National Aeronautics and Space Administration (NASA)/Langley Research Center, United States
Ms. Laura Means
NASA Marshall Space Flight Center, United States
Ms. Beverly Perry
NASA Marshall Space Flight Center, United States
Ms. Tara Polsgrove
NASA Marshall Space Flight Center, United States

NASA'S HUMAN LUNAR LANDING STRATEGY

Abstract

In early 2020, NASA's Human Landing System Program made awards to a set of American companies to compete for the design, delivery and demonstration of an integrated human landing system to put the next Americans on the South Pole of the Moon by 2024. Awards were made utilizing the NextSTEP Broad Agency Announcement procurement mechanism and kicked off a seven-month Certification Baseline Review, leading up to a Continuation Review and possible down-select by NASA at the end of 2020. This paper discusses the work that has been done thus far for the rapid development of a human landing system to safely carry the first woman and the next man to the lunar surface. It will also provide a preview of the work that remains ahead for the program.