

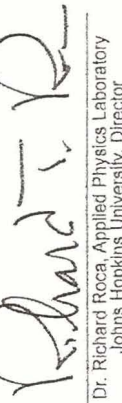
Launch Readiness Certification AV-010 Pluto New Horizons Launch Vehicle

At the AV-010 Pluto New Horizons Launch Readiness Review, the following organizations certified that the necessary prelaunch operations related to their areas of responsibility have been satisfactorily completed to date. As of this Launch Readiness Review, there are no launch constraints related to their areas of responsibility. The launch vehicle, spacecraft, and all supporting systems as applicable, are ready for flight, pending satisfactory closure of remaining tasks and open items identified in this review.


Steve Francois, NASA Kennedy Space Center
Launch Services Program Manager


Omar Baez, NASA Launch Services Program
Launch Director


Bryan O'Connor, NASA
Office of Safety & Mission Assurance, Chief


Dr. Richard Roca, Applied Physics Laboratory
Johns Hopkins University, Director


Dr. Alan Stern, Southwest Research Institute
New Horizon Principal Investigator




ILS




ATLAS

LOCKHEED MARTIN



Brig. Gen. Mark Owen, United States Air Force
45th Space Wing Commander


Mike Jensen, International Launch Services
Vice President, Technical Operations


Ann K. Wildgen, International Launch Services
PNH Program Director


Jerry Jamison, Lockheed Martin Space Systems
Atlas Launch Operations Director


Robert J. Reynolds, Lockheed Martin Space Systems
Atlas Recurring Launch Operations Director


Anthony Narde, Lockheed Martin Space Systems
PNH Integration Manager



**SAFETY AND MISSION ASSURANCE
 CERTIFICATE of FLIGHT READINESS
 FOR
 PLUTO - NEW HORIZONS MISSION**

The following NASA Safety and Mission Assurance (SMA) organizations, involved in supporting the PLUTO - NEW HORIZONS mission, certify that for each of the mission elements, all of the necessary and appropriate SMA activities have been successfully completed, and all identified mission risks, technical and otherwise, have been controlled or mitigated to an acceptable level, or eliminated, except the risk associated with the RP-1 tank. This risk has been escalated to and accepted by the Launch Services Program, the Flight Planning Board, and the NASA Administrator. Pending satisfactory closure of in-line work required to support this mission, and any open items identified in the Flight Readiness Review and the Launch Readiness Review, all NASA SMA elements are ready to support launch operations. The signatories below signed with this understanding.



Mark Wise, Mission Assurance Manager
 NASA KSC, Safety & Mission Assurance Launch Services Division



Rick Boutin, Mission Assurance Branch Chief
 NASA KSC, Safety & Mission Assurance Launch Services Division



Maria Collura, Manager
 NASA Range Safety



Ward Ebert, Applied Physics Laboratory Mission Assurance Manager
 APL Spacecraft Safety & Mission Assurance

see "faxed copy" attachment 2

Mike Galuska, Discovery & New Frontiers Mission Assurance Manager
 NASA MSI C Spacecraft Safety & Mission Assurance



Eddie Lebron, Division Chief
 NASA KSC, Safety & Mission Assurance Launch Services Division



see "faxed copy" attachment 1

Bryan O'Connor, NASA Chief, Safety & Mission Assurance
 NASA Office of Safety & Mission Assurance



John Dollberg, Division Chief
 NASA S&MA ISS/Payload Processing Division



Randy Scott, KSC Radiation Protection Officer (RPO)
 NASA KSC



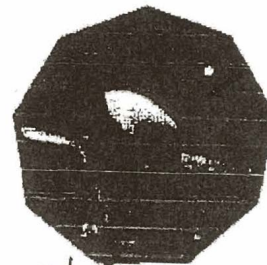
Bert Garrido, Deputy SMA Director
 NASA KSC, Safety & Mission Assurance



Denny Kross, SMA Director
 NASA KSC, Safety & Mission Assurance

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Mark Wiese, Mission Assurance Manager
NASA, Safety & Mission Assurance Launch Services Division

Bryan O'Connor

Bryan O'Connor, NASA Chief, Safety & Mission Assurance
NASA Office of Safety & Mission Assurance

Rick Boutin, Mission Assurance Branch Chief
NASA, Safety & Mission Assurance Launch Services Division

John Dolberg, Division Chief
S&MA ISS/Payload Processing Division

Maria Collura, Manager
NASA Range Safety

Randy Scott, KSC Radiation Protection Officer (RPO)
KSC

Ward Ebert, Applied Physics Laboratory Mission Assurance Manager
APL Spacecraft Safety & Mission Assurance

Bert Garrido, Deputy SMA Director
KSC, Safety & Mission Assurance

Mike Chiusola, Discovery & New Frontiers Mission Assurance Manager
MSFC Spacecraft Safety & Mission Assurance

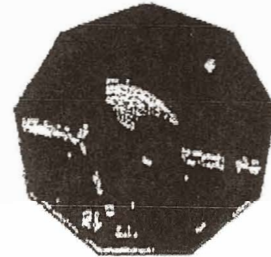
Eddie Lebron, Division Chief
KSC, Safety & Mission Assurance Launch Services Division

Denny Kross, SMA Director
KSC, Safety & Mission Assurance

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Mark Wiets, Mission Assurance Manager
NASA, Safety & Mission Assurance Launch Services Division

Rick Beatin, Mission Assurance Branch Chief
NASA, Safety & Mission Assurance Launch Services Division

Bryan O'Connor, NASA Chief, Safety & Mission Assurance
NASA Office of Safety & Mission Assurance

Mario Collura, Manager
NASA Range Safety

John Dalberg, Division Chief
S&MA ISS/Payload Processing Division

Ward Ebert, Applied Physics Laboratory Mission Assurance Manager
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Randy Scott, KSC Radiation Protection Officer (RPO)
KSC

Mike Galuska

Mike Galuska, Discovery & New Frontiers Mission Assurance Manager
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KSC, Safety & Mission Assurance

Eddie Lehren, Division Chief
KSC, Safety & Mission Assurance Launch Services Division

Denny Kross, SMA Director
KSC, Safety & Mission Assurance

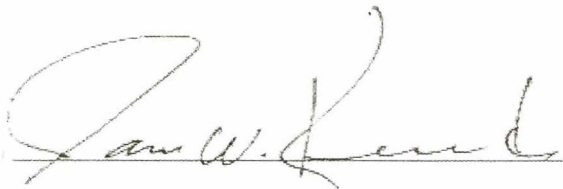
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KSC CENTER DIRECTOR'S
CERTIFICATE of FLIGHT READINESS
FOR
PLUTO - NEW HORIZONS MISSION

As the KSC functional representative of the Office of Safety and Mission Assurance (SMA), I certify that appropriate SMA resources to support the MRO mission have been provided to the NASA Launch Service Program for the safe delivery of the launch vehicle into orbit.

I certify that for the launch vehicle portion of the mission, all of the necessary and appropriate KSC S&MA activities have been successfully completed, and all identified mission risks, technical and otherwise, have been controlled or mitigated to an acceptable level, or eliminated.

Pending satisfactory closure of in-line work required to support this mission, and any other items identified in the Flight Readiness and the Launch Readiness Reviews, I am ready to support launch operations.



James W. Kennedy
KSC Center Director



1-15-06

Date

The Flight Planning Board understands the residual risk associated with the AV-010 RP-1 tank and the mitigations taken by the Launch Service Contractor and Launch Services Program's engineering staff. In the view of the Flight Planning Board Chairman, the risk from the RP-1 tank is understood and acceptable. The Flight Planning Board recognizes the independent risk ratings provided by the Program's technical team and the SMA/NESC. The efforts in mitigating the risk and rationale for the flight provide for the highest practical probability of mission success for the New Horizon mission.



NASA Administrator

10 Jan 2006



10 JAN 2006