



Marshall Space Flight Center

Introduction to JANNAF PIB

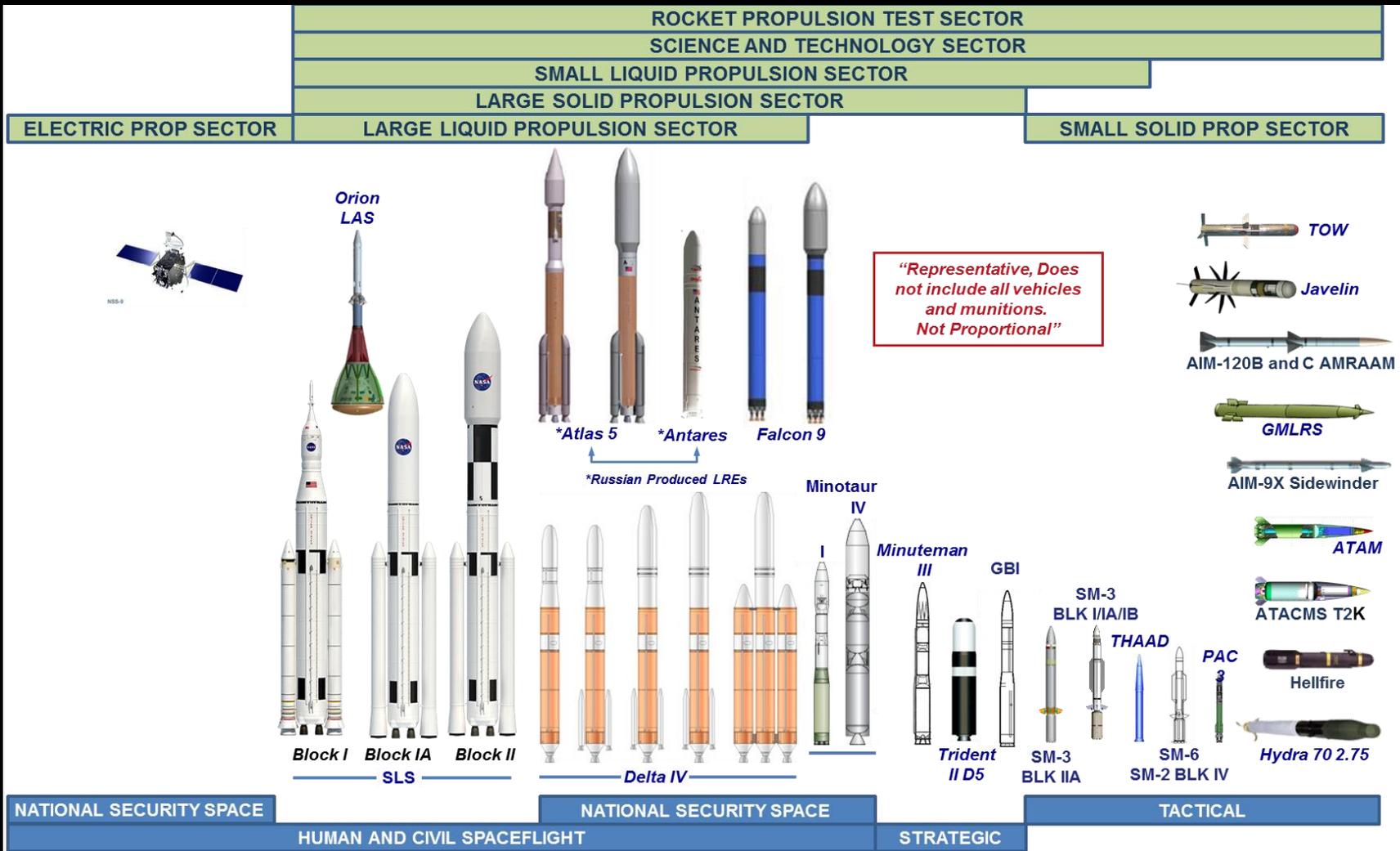
June 2, 2015



marshall



Highly Interconnected Rocket Propulsion Industrial Base Serving Government and Commercial Needs

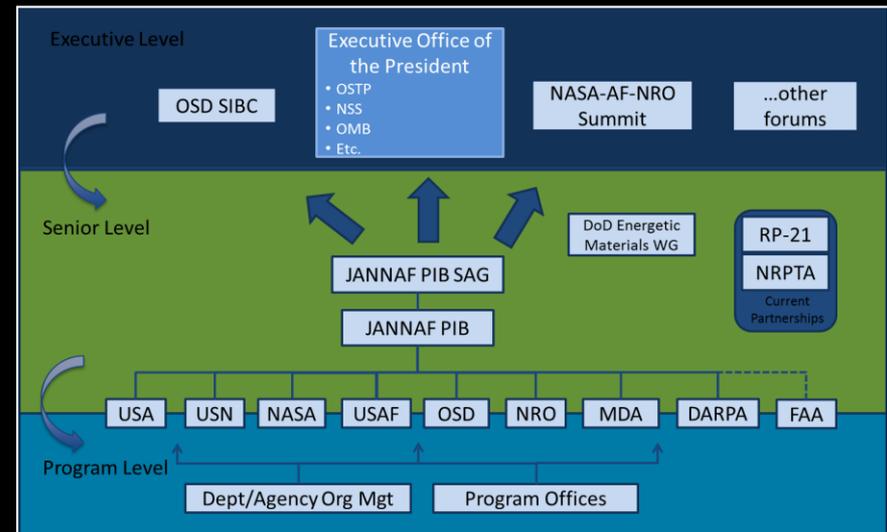
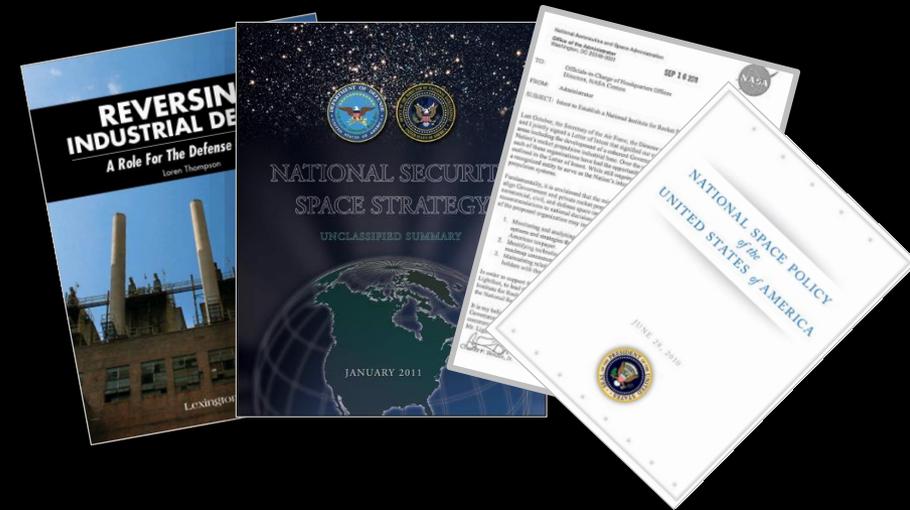


Changes in a program can have effects on seemingly unrelated programs.

JANNAF PIB is Executing Tasks of National Importance



- Congressional and Administration concern about Rocket Propulsion Industrial Base (RPIB)
 - Widespread recognition of the problem
 - Sustainment of the solid rocket motor and liquid rocket engine industrial base is a national challenge that spans multiple departments and agencies of the U.S. Government.
 - Integrated approach among U.S. Government agencies
- PIB Supports Interagency Communication and Collaboration
 - JANNAF PIB Senior Advisory Group (SAG) established
 - Co-Chaired by NASA & DOD DUSD MIBP
 - **Members from Army, Navy, Air Force, NRO, MDA, OSD, & NASA**
 - JANNAF NASA/DOD PIB Charter Signed: June 2014



PIB is an Integral Part of JANNAF



- This is the first JANNAF general meeting with integrated PIB activities
- The PIB is creating products that directly affect policy and decisions made at the highest levels of the U.S. Government
 - Products and Activities:
 - Integrated (i.e., collated) program plans & key decision points
 - Industrial base assessments
 - Identification of commonality, innovative acquisition, and partnership opportunities
 - Special actions from senior agency, department, or EOP leadership
 - Provide decision makers information for situational awareness or decisions in a timely and efficient manner
 - Working Group Studies
 - Small Solid Rocket Motor Capabilities (2015 NDAA task)
 - Ammonium Perchlorate industrial base capabilities and alternatives
 - Domestic Boost Propulsion
 - Helium Stewardship Act of 2013 effects
 - PIB Session open to all attendees (get details here)
 - Senior leader panel discussion
 - Paper presentations

*PIB Panel
Session: 3T
Room: Capital II
Time: 1:30 pm
Wednesday, 6/3/15*

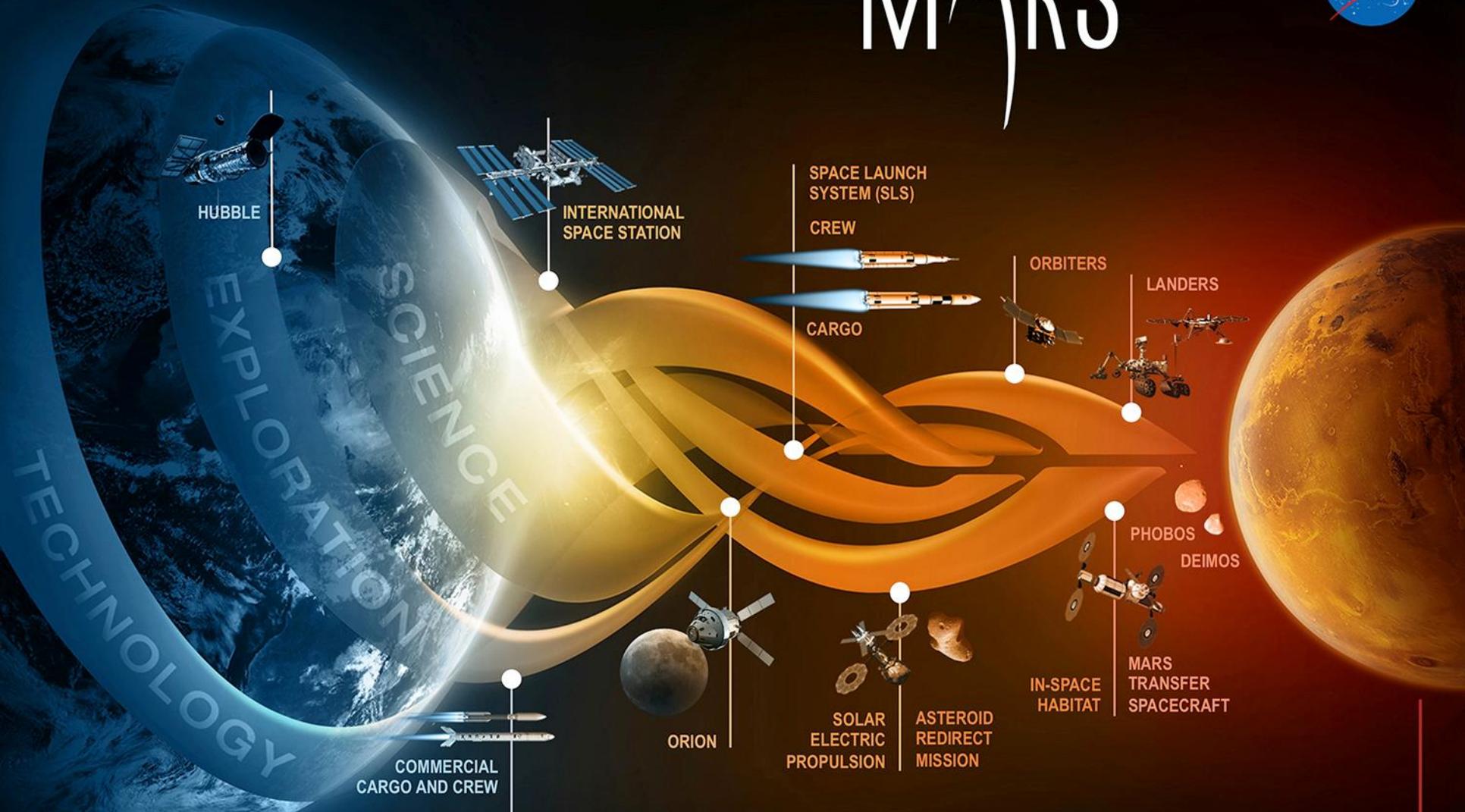
JANNAF PIB Encompasses All of the Equity Holders in Rocket Propulsion for the US Government



- Working Groups have key memberships from project, program, engineering, and R&D disciplines.
- The JANNAF Programmatic and Industrial Base (PIB) Executive committee integrates the working groups and has program, project, and engineering senior managers.
- The JANNAF PIB Senior Advisory Group consists of key senior executives and flag officers and sets the strategy for the JANNAF PIB.



JOURNEY TO MARS



MISSIONS: 6-12 MONTHS
RETURN: HOURS

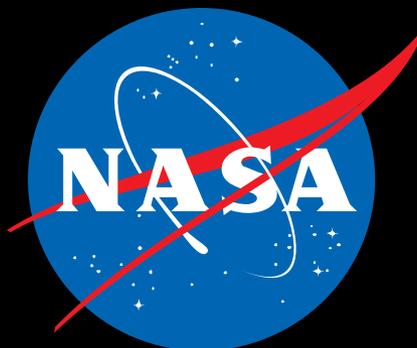
EARTH RELIANT

MISSIONS: 1 TO 12 MONTHS
RETURN: DAYS

PROVING GROUND

MISSIONS: 2 TO 3 YEARS
RETURN: MONTHS

MARS READY



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Backup Slides

Senior Advisory Group Membership

JANNAF Programmatic & Industrial Base Senior Advisory Group (SAG)

Title	First Name	Last Name	Dept/Agency	Title
Dr.	L. Dale	Thomas (Co-Chair)	NASA	Associate Center Director, Technical, NASA/MSFC
Mr.	Andre'	Gudger (Co-Chair)	OSD	Deputy Assistant Secretary of Defense (Manufacturing & Industrial Base Policy) DASD (MIBP)
Dr.	Spiro G.	Lekoudis	OSD	AT&L/R&E/Research and Engineering
Mr.	Dyke	Weatherington	OSD	AT&L/SIO Deputy Assistant Secretary of Defense for Space and Intelligence
Mr.	Barry	Pike	USA	Deputy PEO, Missiles and Space
VADM	Terry	Benedict	USN	NAVY/Director Strategic Systems Programs
Dr.	Claire	Leon	USAF	Executive Director for Space Launch Enterprise
Dr.	Billy W.	Mullins	USAF	SAF/A-10 Assistant Chief of Staff, Strategic Deterrence & Nuclear Integration
			USAF	SAF/EA4S, Executive Agent for Space
Maj Gen	Scott	Jansson	USAF	AFPEO/SS Program Executive Officer for Strategic Systems
Mr.	William	Hill	NASA	NASA/HQ/CM Deputy Associate Administrator for Exploration Systems Development
Mr.	Benjamin	Neuman	NASA	NASA/HQ/CN Division Director for Human Spaceflight Capabilities
Mr.	Jim	Norman	NASA	NASA/HQ - Assistant Associate Administrator for Launch Services
Ms.	Karen	Borrows	USN	Executive Director/SEA 00VW Naval Ordnance Safety and Security Activity Indian Head, MD 20640
Ms.	Patricia	Gore	OSD/MDA	MDA/ECM Director, Industrial Manufacturing and Technology
Brig Gen Maj Gen	Anthony J. Steve	Cotton Denker (Summer 2015 process in)	NRO	Deputy Director, National Reconnaissance Office

PIB Executive Committee Membership

JANNAF Programmatic & Industrial Base Executive Committee (PEC)				
Title	First Name	Last Name		Affiliation
Dr.	Rajiv	Doreswamy (Chair)	NASA	NASA/MSFC
Mr.	Robert	Read (Co-Chair)	OSD	OSD-ATL
Dr.	Kendall	Brown (Alt Chair)	NASA	NASA/MSFC
Dr.	Christine	Michienzi	OSD	OSD-ATL
Mr.	Stuart	Blashill	USN	NAVY/China Lake
Mr.	Shahab	Chaudhry	USN	NAVY/SSP
Mr.	Frank	Tse	USN	NAVY/NSWCIHD
Mr.	Andy	Culbertson	OSD	OSD/R&E
Mr.	Drew	DeGeorge	USAF	AF/AFRL/RQR
Mr.	James	Fernandez	USAF	USAF/PEO/SP Space Launch Enterprise
Maj	Tim	Purcell	USAF	USAF/EA4S
Lt Col	Bill	Barrington	USAF	USAF/A10
Dr.	Jamie B.	Neidert	USA	ARMY/AMRDEC
Mr.	David	Tritt	USA	Army/PEO M&S
Mr.	John	Honeycutt	NASA	NASA/MSFC/SLS Program
Dr.	George	Schmidt	NASA	NASA/GRC
Mr.	Thomas	Williams	NASA	NASA/MSFC/Engineering
Lt Col	Mark	Cinnamon	NRO	NRO/OSL
Ms.	Megan	Meisner	MDA	Industrial Manufacturing and Technology

PIB Working Group Membership

JANNAF Programmatic & Industrial Base Large Liquid Propulsion Working Group				
Title	First Name	Last Name		Affiliation
Dr.	Kendall	Brown (Lead)	NASA	NASA/MSFC/FP30
Mr.	Drew	DeGeorge	USAF	AF/AFRL/RQR
Mr.	James	Fernandez	USAF	USAF/PEO/SP Space Launch Enterprise
Maj	Lee	Kashka	USAF	USAF SMC/LRE
Mr.	Bill	Jacobs	NASA	NASA/MSFC/SLS
Mr.	George	Simone	NASA	NASA/LSP
Lt Col (s)	Tim	Purcell	USAF	SAF/SP/EA4SS
Ms.	Dayna	Ise	NASA	NASA/MSFC/FP30 - Commercial Crew
Mr.	Robert	Read	OSD	OSD/ATL/MIBP
Mr.	Kevin	Dickens	NASA	NASA/GRC

JANNAF Programmatic & Industrial Base Large Solid Rocket Motor Working Group				
Title	First Name	Last Name		Affiliation
Mr.	Shahab	Chaudhry (Lead)	USN	NAVY/SSP
Mr.	David	Olsen	USN	NAVY/SSP
Dr.	Carlos	Lopez	USN	NAVY/SSP
Dr.	Christine	Michienzi	OSD	OSD-ATL
Mr.	Alex	Priskos	NASA	NASA/MSFC
Mr.	Mark	Cooper	NASA	NASA
Lt Col	Bill	Barrington	NASA	USAF/A10
Mr.	Drew	DeGeorge	USAF	AF/AFRL/RQR
Mr.	Kirk	Newman	OSD	MDA
Mr.	Robert	Read	OSD	OSD-ATL

JANNAF Programmatic & Industrial Base Small Liquid Propulsion Working Group				
Title	First Name	Last Name		Affiliation
Mr.	Chuck	Pierce (Lead)	NASA	NASA/MSFC
Mr.	James L.	Cannon	NASA	NASA/MSFC/ER01
Mr.	James	Fernandez	USAF	USAF/PEO/SP Space Launch Enterprise
Mr.	Drew	DeGeorge	USAF	AF/AFRL/RQR
Mr.	Robert	Read	OSD	OSD-ATL
Mr.	Dmitriy	Plaks	USA	Army/MDA
Mr.	Kevin	Dickens	NASA	NASA/GRC

JANNAF Programmatic & Industrial Base Small Solid Rocket Motor Working Group				
Title	First Name	Last Name		Affiliation
Mr.	Frank	Tse (Lead)	USN	NAVY/NSWC/IIHD
Mr.	Al	Stern	USN	USN/NSWC/IHEODTD
Mr.	Nolan	Walton	USN	NAVY/SSP
Mr.	Stuart	Blashill	USN	NAVY/China Lake
Dr.	Christine	Michienzi	OSD	OSD-ATL
Mr.	David	Tritt	USA	Army/PEO M&S
Mr.	Kevin	Blacklock	USA	Army/AMRDEC
Dr.	Jamie B.	Neidert	USA	ARMY/AMRDEC
Mr.	Drew	DeGeorge	USAF	AF/AFRL/RQR
Mr.	Mark	Cooper	NASA	NASA/MSFC
Mr.	Steven	Harvison	NASA	NASA/MSFC
Mr.	Kirk	Newman	OSD	MDA Aegis BMD
Mr.	Robert	Read	OSD	OSD-ATL/MIBP

JANNAF Programmatic & Industrial Base Science & Technology Working Group				
Title	First Name	Last Name		Affiliation
Mr.	Drew	DeGeorge (Lead)	USAF	AF/AFRL/RQR
Mr.	James L.	Cannon	NASA	NASA/MSFC/ER01
Mr.	Andy	Culbertson	OSD	OSD/R&E
Dr.	Christine	Michienzi	OSD	OSD-ATL
Mr.	Scott	Fuller	USN	USN/NAWC
Mr.	Mark D.	Klem	NASA	NASA/GRC-RPP0
Mr.	Carlos	Lopez	USN	NAVY/SSP
Ms.	Megan B.	Meisner	MDA	MDA/DEC
Dr.	Jamie B.	Neidert	USAF	ARMY/AMRDEC
Mr.	Bob	Read	OSD	OSD-ATL/MIBP
Mr.	David	Tritt	USAF	Army/PEO M&S
Mr.	Richard	Ryan	NASA	NASA/MSFC/EE
Mr.	Michael	Meyer	NASA	NASA/GRC

JANNAF Programmatic & Industrial Base Test & Evaluation Working Group				
Title	First Name	Last Name		Affiliation
Mr.	Mark	Moody (Lead)	NASA	NASA/SSC/RPT/TA00

JANNAF Programmatic & Industrial Base Electric Propulsion Working Group				
Title	First Name	Last Name		Affiliation
Mr.	David	Jacobson	NASA	NASA/GRC