

Arc Jet Budget Recommendation

Summary: The Mission Support Council (MSC) met on January 11, 2018 to review and determine if a directed funding stream to modernize the NASA Arc Jet Complex was necessary and viable.

- At the Sept-2016 APMC Capability Days, the Space Environments Testing Management Office (SETMO) was directed to address recapitalization of the Arc Jet Complex to meet current and long-term NASA space missions
- At the 12-Oct-2017 MSC Capability Portfolio Management Annual Review, SETMO was directed to bring a decision package forward with a recommended funding approach in time to inform the PPBE20 budget process
- Five options were developed and presented to stakeholders; two were presented at the MSC for consideration

The following stakeholders were part of the review process that considered the five potential options:

Centers

ARC: T. Panontin, G. Raiche, D. Kontinos, T. Morrissey,
J. Vander Kam, P. Gage, M. Wright, J. Balboni, P. Chan

JSC: S. Bouslog, J. Kowal, S. Del Papa, J. White

JPL: C. Szalai, R. Manning

HQ Functional Offices

OCE: T. Spagnuolo
MSD/OSI/FRED: S. Robinson, E. Mszar

Mission Directorates

HEOMD: B. Neumann, B. Clay, D. Hedin

MSD: D. Tenney, P. Fox, C. Williams

SMD: R. Maizel

STMD: P. Desai

Capability Portfolio Teams

Aerosciences Evaluation and Test Capabilities: R. Colantonio

High-End Computing: T. Lee

Rocket Propulsion Test: R. Simpson

SCAP/SETMO: M. Mastaler, W. Hu

Capability Leadership Teams

Aerosciences: D. Schuster

EDL: M. Munk

Materials: D. Parker

Passive Thermal: S. Rickman

Space Environments: J. Minow, J. Alred

Decision: Based on this review, the Mission Support Council:

- 1) Concurs that the Arc Jet Complex is a critical Agency capability
- 2) Defers a funding recommendation until the following actions are complete and available for decision support:
 - 1) Assign OSI to lead (with support from OCE, CFO and MDs) development of a technical capabilities facilities investment decision framework. Does not presume changes to existing decision frameworks and/or funding models.
 - 2) Framework will collect, evaluate and assign risk ratings to required investments across all capability leadership and capability portfolio facilities in order to ensure highest priority mission critical needs are addressed, and include any potential divestments.
 - 3) Action to be complete no later than September 30, 2018 in order to inform the ASIP and PPBE 21 SPG.
 - 4) CFO to recommend funding model for incorporation into the PPBE 21 budget guidance.
- 3) Recommend MSD consider bringing forward a technical capabilities investment fund proposal in the PPBE 20 CAM submission as a placeholder until the decision framework is available.

This document is made available through the declassification efforts
and research of John Greenewald, Jr., creator of:

The Black Vault



The Black Vault is the largest online Freedom of Information Act (FOIA) document clearinghouse in the world. The research efforts here are responsible for the declassification of hundreds of thousands of pages released by the U.S. Government & Military.

Discover the Truth at: <http://www.theblackvault.com>

Arc Jet Budget Recommendation

Decided by: [Redacted] (b) (6)
K. Paquin, MSC Chair

Signatures represent concurrence that this decision was reached in compliance with Mission Support Council procedures, and ownership of amplifying comments relative to the decision.

Signature	Amplifying Comments
[Redacted] (b) (6) R. Lightfoot, AA	
[Redacted] (b) (6) A. Hunter, OCFO	
[Redacted] (b) (6) D. Tenney, AA MSD	
[Redacted] (b) (6) T. Wilcutt, Chief S&MA	
[Redacted] (b) (6) R. Wynn, CIO	

Arc Jet Budget Recommendation

Decision execution responsibility	Accountable for:
OS\IC. Williams	Develop decision framework for technical capability facilities investments
CFO	Develop technical capability facilities investment funding model
CFO\A. Hunter, OCE\R. Roe, and SMD\T. Zurbuchen, HEOW. Gerstenmaier, STMD\S. Jurczyk	Collaborate on development of decision framework, funding models and budget prioritization decisions

Execution milestone	Milestone Date	Responsible Party
Assign OSI to lead (with support from OCE, CFO and MDs) development of a technical capabilities facilities investment decision framework. Provide framework to support ASIP and PPBE21 SPG	September 30, 2018	OS\IC. Williams
Create funding model for incorporation into PPBE21 budget guidance	January 2019	CFO\A. Hunter