

External Radiation Block Buy - Phase 1 Recommendation

Summary: The Mission Support Council (MSC) met on February 8, 2018 to determine the Phase I implementation of a "block buy" approach for access to and test time at external electronics radiation test facilities with test time allocated to internal programs/projects on an annual basis. Future phases of the approach will be to create demand based IDIQ contracts. No additional MSC approval will be required.

- At the September 14, 2016 APMC Capability Days, the Space Environments Testing Management Office (SETMO) received the following action: 1) *External Radiation Testing Facilities* – Implement a NASA "block-buy" approach for test time in external electronics radiation testing facilities that can be allocated to programs internally. 2) Assign to MSD-OSI/M. Mastaler, working with OSMA as the primary user. 3) Report recommendations to the MSC
- Two options to this action were formulated after consultation with core stakeholders:
 - Option 1: **Status Quo** - No change in that each NASA program/project and Center continues to negotiate with external testing facilities individually.
 - Option 2: **Phased Approach** - A phased approach with a block buy strategy that allows NASA to set its own priorities for testing and allows NASA to immediately address maintaining access to the external facilities at highest risk.
- **MODIFICATION FROM ORIGINAL DECISION PACKAGE:** Block buy will only be done for phase 1 with Lawrence Berkeley National Laboratory (LBNL) for 500 hours per year. Future requirements will be obtained through the establishment of user funded integrated IDIQ contracts managed by the NASA EEE parts Manager at Goddard.

The Mission Support Council made the decision after reviewing the presented project plan provided and completing consultations by the recommender with the following stakeholders:

Capability Leadership

Space Environments CLT: J. Minow, J. Alred
 Avionics CLT: O. Gonzalez, R. Ladbury
 EC EEE Parts Action Lead: F. Jones
 LaRC: C. Mangum, D. Hope

Mission Directorates

HEO: B. Neumann, D. Hedin
 SMD: R. Maizel
 STMD: P. Desai

Centers

GSFC: G. Morrow, G. Jackson, J. Pellish
 JPL: L. James, S. Kayali, M. Mojaraddi
 JSC: J. Ratliff, B. Manners, D. Raomero
 MSFC: P. Jones, GRC: R. Slywczak, T. Ruffner

HQ Office

OCE: C. Sorrels, OSMA/NEPP: H. Bell, K. LaBel
 OSC: G. Allen
 MSD/OP: M. Manning, A. Sheppard, S. Harmon

Decision: Based on this review, the Mission Support Council approves Option 2: **Phased Approach** with the following actions:

- Approve Block Buy phase 1 with LBNL for 500 hours per year.
- Assign the NASA EEE Parts Manager to lead the External Radiation Block activity
- Work with HEOMD, STMD, SMD and OSMA to obtain funding, set test schedule priorities, consolidate existing agreements and contracts, minimize funding disruptions to programs/projects; while keeping risk trades within program/project control
- Updates on IDIQ contracts will be briefed quarterly at the BPR

Approval was granted based on the approach having sufficient detail to support the recommendation to consolidate electronic parts external radiation testing agreements, locations, and funding for Phase 1 block buy per the strategy outlined in the decision package.

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Decision: (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

(b) (6)

R. Lightfoot, AA

(b) (6)

A. Hunter, OCFO

(b) (6)

D. Tenney, AA MSD

(b) (6)

T. Wilcutt, Chief S&MA

(b) (6)

R. Wynn, CIO

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Decision execution responsibility	Accountable for:
C. Williams/OSI	Support and review the Radiation Block Buy project as it transitions through Phase 1 Block Buy and all future acquisition phases.

Execution milestone	Milestone Date	Responsible Party
<ul style="list-style-type: none"> Bring forward block buy approach as PPBE20 PAA Issue Paper to baseline funding for Phase I with subsequent phases and the schedule 	June 2018	M. Mastaler
<ul style="list-style-type: none"> Provide quarterly updates on IDIQ contracts to BPR 	July 2018	R. Brade