

DEPARTMENT OF DEFENSE  
DEFENSE ATOMIC SUPPORT AGENCY  
WASHINGTON, D.C. 20301

ADDRESS REPLY TO:

APRS

1 JUL 1966

SUBJECT: Transfer of Funds for FY 1966 Nuclear Weapons Effects Research (NWER) Program

TO: HQ USAF (AFRDQPO)  
Wash DC 20330

1. Inclosure 1 to this letter contains a listing of the planned FY 1966 NWER subtasks which are assigned to the Department of the Air Force for management. Military Interdepartmental Purchase Requests (MIPRs) listed below will be issued by separate correspondence to the Air Force Weapons Laboratory and Ballistics Systems Division.

<u>DASA MIPR</u>	<u>PROJECT</u>	<u>AMOUNT</u>
<u>Air Force Weapons Laboratory</u>		
505-66	A1 Air Blast	\$3,425,000
520-66	A2 Nuclear Radiation	1,000,000
506-66	A3 Protective Structures	2,060,000
525-66	A4 Biomedical	646,000
528-66	A6 Electromagnetic	2,000,000
535-66	A8 Thermal	1,530,000
540-66	A9 Integrated Effects	300,000
<u>Ballistics Systems Division</u>		
539-66	A9 Integrated Effects	\$500,000

2. In the event that reprogramming between DASA approved subtasks is deemed necessary, you are authorized to make such changes provided that the fund transfers involved do not exceed \$100,000 per subtask. In the event reprogramming in excess of \$100,000 or reprogramming between MIPRs is desired, prior approval of this headquarters must be obtained.

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3. In order to complete the operating budget for the NWER program, it is desired that a Summary of Fund Requirements be prepared for each subtask in the FY 1966 NWER program; a sample format for this summary is included as Inclosure 2. Completed Summaries of Fund Requirements should be forwarded so as to reach this headquarters no later than 15 August 65. A revised Summary of Fund Requirements will be prepared and forwarded to Director, Defense Atomic Support Agency (DASA), Washington D. C. 20301, whenever reprogramming actions under paragraph 2, above, result in a change in subtask funding level.

4. Transfer of these funds is subject to compliance with the financial and equipment management procedures listed below:

a. Accounting and reporting of these funds will be in accordance with part 4 of the DASA Manual, "Nuclear Weapons Effects Financial Management", dated 1 April 1962, with the exception that the frequency for submission of the Fund Status Report will be quarterly, rather than monthly as stated. These reports will be submitted so as to arrive no later than the 15th of the month following the close of the accounting period for each quarter.

b. Request for reimbursement on Standard Forms 1080 should contain tabulation of expenditures by DASA Cost Codes (subtask numbers) and should be submitted in accordance with paragraph 6, part 3, of the DASA Manual referred to in subparagraph 4a above.

c. All reports, correspondence, and contracts relating to this work will identify DASA as the funding source. Where transfer of any portion of these funds to either a contractor or another government agency is effected, the recipient will be required to identify DASA as the funding source in all correspondence and reports relating to work so funded.

d. Approval shall be obtained from Director, DASA, ATTN: APRS prior to the purchase of any item of capital equipment the acquisition cost of which is \$1,000 or more. Each such request should specify the item in sufficient detail to permit the DASA to determine whether the equipment required or a suitable substitute is available within DASA resources.

e. Your project officer should determine whether the best interest of the government will be served by local procurement or by acquisition from DASA resources for items of capital equipment costing less than \$1,000. Such equipment is listed in the catalog of Research, Development, Test and Evaluation Equipment, prepared and published by Chief, Weapons Test Division, DASA, Sandia Base, Albuquerque, New Mexico.

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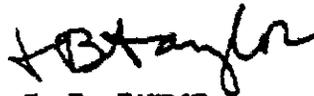
AFPS

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f. If the equipment is not available from DASA resources and is acquired through local procurement at a cost in excess of two hundred dollars (\$200), notification of such procurement will be furnished Chief, Weapons Test Division, DASA, ATTN: WWTIS, Sandia Base, Albuquerque, New Mexico, within 30 days of such acquisition. This report shall be in the format set forth in the DASA Manual referred to in subparagraph 4a, which shall be obtained from the address above.

g. Ownership of capital equipment furnished by DASA or purchased with project funds will be reserved to DASA. Such property will be appropriately marked, maintained, and accounted for in accordance with your property accounting procedures. An inventory of all such property will be submitted to the Chief, Weapons Test Division, DASA, as requested or at least annually and upon termination of the project.

**FOR THE DIRECTOR**



**T. B. TAYLOR**  
Deputy Director, Scientific

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FY 66 NWER PROGRAM

Subtask Assignments to Individual MIPRs

Air Force Weapons Laboratory

Project A1 Air Blast

A1a-01.026	Rocket Sled Program	\$325,000
A1a-01.027	Blast-Thermal Free Field Nuclear Environment	300,000
A1a-01.028	Simulation Program Investigating Nuclear Effects (SPINE)	1,500,000
A1a-01.029	Re-entry Systems Hardening -- Nuclear Environment	<u>1,300,000</u>

MIPR Nr. 505-66 \$3,425,000

Project A2 Nuclear Radiation

A2f-16.004	Investigation of New Simulation Devices and Techniques	\$150,000
A2h-16.027	Transient Radiation Effects on Microelectronics and New Solid State Devices	450,000
A2i-16.015	Prediction of Transient Radiation Effects in Electronics	<u>400,000</u>

MIPR Nr. 520-66 \$1,000,000

Project A3 Protective Structures

A3a-13.144	Determination of Dynamic Properties of Soils and Rock	\$865,000
A3b-13.148	Dynamic Structure Medium Interaction	245,000
A3b-13.157	Dynamic Response of Buried Structural Systems and Materials	600,000
A3c-13.166	Investigation of Methods for Generating and Measuring Shock and Vibration in Rock	200,000
A3d-13.167	Effects of Dynamic Response of Structures on Contents	<u>150,000</u>

MIPR Nr. 506-66 \$2,060,000

Project A4 Biomedical

A4b-03.003	Thermal Radiation Damage to the Eye -- Prediction and Protection	\$65,000
A4b-03.006	Study of Triplet State Compounds for Protective Devices	100,000
A4b-03.134	Eye Effects Safe Separation Data	100,000
A4d-03.067	Radiation Hazards of Nuclear Weapons	195,000

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A4a-03.030	Total Body Fission Radiation	\$50,000
A4a-03.068	Diagnosis, Prognosis, and Protection	80,000
A4a-03.121	Partial Body Fission Radiation	28,000
A4a-03.128	Comparative Toxicity of Plutonium Isotopes	<u>28,000</u>

MIPR Nr. 525-66 \$646,000

Project A6 Electromagnetic

A8c-04.094	EMP Generation and Propagation	\$250,000
A6d-07.003	Fireball Chemistry and Physics Pertaining to Blackout	450,000
A6d-07.017	Use of Hydro Codes for Prediction of Growth and Rise of the Fireball	600,000
A6f-07.002	Initial Interaction of Bomb Debris with the Atmosphere and Geomagnetic Field	100,000
A6f-07.047	Trapped Radiation Handbook	50,000
A6g-07.010	Reaction Rates Critical to Radio and Radar Propagation	300,000
A6g-07.013	Rocket-Borne Measurements of Disturbed Atmospheric Parameters	<u>250,000</u>

MIPR Nr. 528-66 \$2,000,000

Project A8 Thermal

A8a-12.031	Inelastic Cross Section Calculations	\$100,000
A8a-12.033	Air Optical Emissions	200,000
A8c-12.002	Thermal Damage to R/Vs	80,000
A8d-15.014	Hardening Against High Flux Effects	50,000
A8d-15.018	Calculation of R/V Damage from X-Ray Effects	300,000
A8d-15.032	Protection by the Use of Countermeasures	50,000
A8e-15.039	Vulnerability of R/Vs and Electronic System Components to High Temperature Effects	600,000
A8f-15.015	Satellite Component Damage by Low Flux X-rays	<u>150,000</u>

MIPR Nr. 535-66 \$1,530,000

Project A9 Integrated Effects

A9c-08.011	Molecular Opacities	<u>\$300,000</u>
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MIPR Nr. 540-66 \$300,000

Ballistics Systems Division

Project A9 Integrated Effects

A9b-08.012	HARTS	\$200,000
A9c-08.013	SPINE	<u>300,000</u>

MIPR Nr. 539-66 \$500,000

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