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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)									DATE June 2001	
APPROPRIATION/BUDGET ACTIVITY RDT&E, Defense Wide/BA2							R-1 ITEM NOMENCLATURE Historically Black Colleges and Universities (HBCU) PE 0602228D8Z			
COST (In Millions)	FY2000	FY2001	FY2002						Cost to Complete	Total Cost
Total Program Element (PE) Cost	15.743	22.031	14.484						Continuing	Continuing
HBCU/P489	15.743	22.031	14.484						Continuing	Continuing

(U) **A. Mission Description and Budget Item Justification**

(U) **BRIEF DESCRIPTION OF ELEMENT**

(U) P2228D, Historically Black Colleges and Universities and Minority Institutions (HBCU/MI). The HBCU/MI program provides infrastructure support in fields of science and engineering that are important to national defense. The DoD Infrastructure Support Program is the only program that encourages participation of small minority schools as well as research institutions. This competitive program provides support through grants or contracts for research, collaborative research, education assistance, instrumentation purchases, and technical assistance. This project competitively supports programs at minority institutions nationwide in the following areas:

- Research. The research grants are to further the knowledge in the basic scientific disciplines through theoretical and empirical activities. Collaborative research allows university professors to work directly with military laboratories or other universities.
- Education. Education assistance funds are used by the selected institutions to strengthen their academic programs in science, mathematics, and engineering thereby increasing the number of under-represented minorities obtaining undergraduate and graduate degrees in these fields. These grants provide equipment, scholarships, cooperative work/study opportunities, visiting faculty programs, summer programs, and a variety of other enhancements designed to support students and to encourage them to pursue careers in science, mathematics, and engineering.

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- Infrastructure. Funds for instrumentation allow institutions to increase their capability to perform research of interest to the Department. This program allows the university to purchase from basic laboratory equipment for education program enhancements to highly sophisticated research instruments, such as lasers and spectrometers.
- Technical assistance. These funds are used to design programs to enhance the ability of minority institutions to successfully compete for future Defense funding. The objective is to assist the HBCU/MI community in areas such as proposal writing and administration of grants and contracts.

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(U) **Project Number and Title: P489 HBCU**

(U) **PROGRAM ACCOMPLISHMENTS AND PLANS**

(U) **FY 2000 Accomplishments:**

(U) Continue evaluation of the awards made with the prior year funds. In FY 2000 the HB CU/MI program made 31 awards using the program funds. These 31 awards include twenty-six instrumentation grants and five research grants related to: infrared cameral system for solar physics research, detection of incipient metal corrosion and cracking beneath paints using near infrared ultrafast photonic techniques; low loss, low intermodulation distortion materials, devices, and circuits for use in frequency agile microwave systems; visualization, modeling and simulation instrumentation; greenhouse equipment for teaching and research; composite isogrid structure for space applications; and hands-on environmental education using modern analytical equipment. Among the awardees were thirteen historically black colleges and universities, thirteen Hispanic-Serving Institutions, and five other minority institutions. These awards were a combination of new starts, and continuations of some grants and other efforts started under previous fiscal years depending on technical progress. The Services selected the competitive awards from proposals submitted under the Infrastructure Support Program for HBCU/MIs: FY 2000 broad agency announcement distributed in September 1999. To date, 7 competitions have resulted in 211 Instrumentation grants, 27 research grants, 20 education awards, 9 education centers and 2 technical assistance awards. (\$ 15.743 million)

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(U) FY 2001 Plans:

(U) Continue evaluation of the awards made with prior year funds. FY 2001 competitions for new minority research, education, infrastructure efforts are being conducted. In FY 2001, the HBCU/MI program will make additional awards using the program funds. These awards will be a combination of new starts, and continuations of some grants and other efforts started under previous fiscal years depending on technical progress. The Services will select the competitive awards from proposals submitted under the Infrastructure Support Program for HBCU/MIs; FY 2001 broad agency announcement distributed in October 2000. FY 2001 program also contains two congressional adds (\$3.000 Million) for Tribal Colleges and Universities and (\$5.000 Million) for Hispanic Service Institutions, which resulted in two additional/new broad agency announcements. These awards will be made for instrumentation for research and education programs, research, undergraduate scholarships and graduate fellowships.
(\$ 22.031 million)

(U) FY 2002 Plans:

(U)Continue evaluation of the awards made with prior year funds. In FY 2002, the HBCU/MI program will make additional awards using the program funds. These awards will be a combination of new starts, and continuations of some grants and other efforts started under previous fiscal years depending on technical progress. The Services will select the competitive awards.(\$ 14.484 million)

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(U) <u>B. Program Change Summary</u>	<u>FY2000</u>	<u>FY2001</u>	<u>FY2002</u>	<u>Total Cost</u>
Previous President's Budget Submit	15.747	14.236	14.402	Continuing
Appropriated Value	0.000	22.236	0.000	Continuing
Adjustments to Appropriated Value				
a. Congressionally Directed Undistributed Reduction	0.000	-0.205	0.000	
b. Rescission/Below-threshold Reprogramming, Inflation Adjustment	-0.004	0.000	0.082	
c. Other	0.000	0.000	0.000	
Current President's Budget	15.743	22.031	14.484	Continuing

Change Summary Explanation

(U) **Funding:** FY 2001 reductions reflect Section 8086 adjustments.

(U) **Schedule:** N/A

(U) **Technical:** N/A

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(U) C. Other Program Funding Summary Cost N/A

(U) D. Acquisition Strategy: N/A

(U) E. Schedule Profile: N/A

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