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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Office of Secretary Of Defense	DATE: April 2013
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APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE							
0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 1: <i>Basic Research</i>					PE 0601228D8Z: <i>Historically Black Colleges and Universities and Minority Institutions</i>							
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	0.000	30.895	-	30.895	31.199	28.639	24.798	25.230	Continuing	Continuing
P448: <i>Historically Black Colleges and Universities and Minority Institutions</i>	0.000	0.000	0.000	30.895	-	30.895	31.199	28.639	24.798	25.230	Continuing	Continuing

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} The FY 2014 OCO Request will be submitted at a later date

Note

The FY 2012 President's Budget Request (PBR) transferred the Historically Black Colleges and Universities and Minority Institutions (HBCU/MI) program from the Office of the Secretary of Defense (OSD) to the Army. The FY 2012 National Defense Authorization Act (NDAA) directed the OSD to retain oversight and execution of the HBCU/MI program. Accordingly, FY 2012 funds were reprogrammed from Army PE 0601104A to OSD PE 0602228D8Z for program execution.

The FY 2013 PBR requested funds for the HBCU/MI program under Army PE 0601104A. To comply with direction of the Congress, OSD will submit a reprogramming request in FY 2013 to transfer funds from the Army PE 0601104A to OSD PE 0602228D8Z.

In FY 2014, funding for the HBCU/MI program is requested under OSD budget activity 1, PE 0601228D8Z. The OSD Assistant Secretary of Defense for Research and Engineering (ASD(R&E)) retains oversight and execution of the program.

A. Mission Description and Budget Item Justification

The HBCU/MI program provides support in fields of science and engineering that are important to national defense. The DoD HBCU/MI Program encourages participation of small minority schools as well as large minority research institutions. This competitive program provides support through grants or contracts for research, education assistance, instrumentation purchases, and technical assistance as described below:

- Research. The research grants are to further the knowledge in the basic scientific disciplines through theoretical and experimental activities. Collaborative research allows university professors to work directly with military laboratories or other universities.
- Education. Education assistance funds are used by minority institutions to strengthen their academic programs in science, technology, engineering, and mathematics (STEM) 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 STEM.

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APPROPRIATION/BUDGET ACTIVITY

0400: *Research, Development, Test & Evaluation, Defense-Wide*

BA 1: *Basic Research*

R-1 ITEM NOMENCLATURE

PE 0601228D8Z: *Historically Black Colleges and Universities and Minority Institutions*

- Infrastructure. This program allows universities to purchase basic laboratory equipment for research and education program enhancements to highly sophisticated research instruments, such as lasers and spectrometers.

- Technical assistance. These funds are used to design programs that 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.

B. Program Change Summary (\$ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	0.000	0.000	0.000	-	0.000
Current President's Budget	0.000	0.000	30.895	-	30.895
Total Adjustments	0.000	0.000	30.895	-	30.895
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Baseline Adjustments	-	-	30.895	-	30.895

Change Summary Explanation

The HBCU/MI program was executed in FY 2012 and will be executed in FY 2013 under OSD, RDT&E-DW, Budget Activity 2, PE 0602228D8Z. Beginning in FY 2014, the HBCU/MI program will be executed under OSD, RDT&E-DW, Budget Activity 1, PE 0601228D8Z.

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Office of Secretary Of Defense										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE				PROJECT			
0400: Research, Development, Test & Evaluation, Defense-Wide BA 1: Basic Research					PE 0601228D8Z: Historically Black Colleges and Universities and Minority Institutions				P448: Historically Black Colleges and Universities and Minority Institutions			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
P448: Historically Black Colleges and Universities and Minority Institutions	0.000	0.000	0.000	30.895	-	30.895	31.199	28.639	24.798	25.230	Continuing	Continuing

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Note

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- **Research.** The research grants are to further the knowledge in the basic scientific disciplines through theoretical and experimental activities. Collaborative research allows university professors to work directly with military laboratories or other universities.
- **Education.** Education assistance funds are used by minority institutions to strengthen their academic programs in science, technology, engineering, and mathematics (STEM) 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 STEM.
- **Infrastructure.** This program allows universities to purchase basic laboratory equipment for research and education program enhancements to highly sophisticated research instruments, such as lasers and spectrometers.

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<ul style="list-style-type: none"> • Technical assistance. These funds are used to design programs that 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. 											
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2012	FY 2013	FY 2014		
Title: Historically Black Colleges and Universities and Minority Institutions (HBCU/MI)							0.000	0.000	30.895		
Description: The HBCU/MI program provides support for research and collaboration with DoD facilities and personnel. The research grants further knowledge in the basic physical scientific and engineering disciplines through theoretical and empirical activities. Collaborative research allows university professors to work directly with military laboratories or other universities.											
FY 2014 Plans: Continue efforts from FY 2013. Conduct annual competition of the HBCU/MI program. Continue the research and educational collaboration project between Naval Air Warfare Center and HBCUs/MIs in support of the Avionic Enabling Technology Development for Manned and Unmanned Airborne System. The goal is to increase the number of FY 2015 summer interns from 60 to 70 participants. Establish new Centers of Excellence in support of the ASD(R&E) Science and Technology Priorities in the areas of Cyber Security Science and Technology, Data-to-Decisions, and Autonomy.											
Accomplishments/Planned Programs Subtotals							0.000	0.000	30.895		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
• BA 2, PE 0602228D8Z: <i>HBCU/MI</i>	35.245	0.000	0.000		0.000	0.000	0.000			Continuing	Continuing
Remarks											
D. Acquisition Strategy N/A											
E. Performance Metrics											
<ul style="list-style-type: none"> • Number of students funded other than undergraduates • Number of undergraduate students funded • Number of undergraduates funded who graduated • Number of students participating in the Centers of Excellence for Research and Education • Number of students working in Defense Laboratories • Number of undergraduates funded who graduated with degrees in STEM • Number of graduates who will continue to pursue graduate or Ph.D. degrees in STEM • Number of graduates who intend to work for DoD 											

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<ul style="list-style-type: none">• Number of undergraduates who will receive scholarships and fellowships for further studies in STEM		