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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Office of Secretary Of Defense **Date:** March 2014

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I</i> BA 2: <i>Applied Research</i>	R-1 Program Element (Number/Name) PE 0602228D8Z <i>I Historically Black Colleges and Universities and Minority Institutions (HBCU/MI)</i>
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COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	-	27.246	-	-	-	-	-	-	-	-	Continuing	Continuing
P489: <i>Historically Black Colleges and Universities and Minority Institutions (HBCU/MI)</i>	-	27.246	-	-	-	-	-	-	-	-	Continuing	Continuing

The FY 2015 OCO Request will be submitted at a later date.

Note

The HBCU/MI Program was realigned from Budget Activity (BA) 2, Program Element (PE) 0602228D8Z to BA 1, PE 0601228D8Z in FY 2014. The Office of the Secretary of Defense (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 Department of Defense (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 further the knowledge in the basic scientific disciplines through theoretical and experimental activities. Collaborative research allows university research staff to work directly with military laboratories or other universities.
- **Education.** Minority institutions use education assistance funds 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 and highly sophisticated research instruments, such as lasers and spectrometers.
- **Technical assistance.** HBCU/MI uses these funds 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.

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B. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	-	-	-	-	-
Current President's Budget	27.246	-	-	-	-
Total Adjustments	27.246	-	-	-	-
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-5.401	-			
• Congressional Rescissions	-0.047	-			
• Congressional Adds	15.599	-			
• Congressional Directed Transfers	20.000	-			
• Reprogrammings	-2.000	-			
• SBIR/STTR Transfer	-0.892	-			
• Other Program Adjustments	-0.013	-	-	-	-

Change Summary Explanation

The FY 2013 President's Budget requested funds for the HBCU/MI program under Army PE 0601104A. FY 2013 funding was appropriated by Congress in OSD PE 0602228D8Z.

The HBCU/MI Program was realigned from BA 2, PE 0602228D8Z to BA 1, PE 0601228D8Z in the FY 2014 President's Budget Request.

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Office of Secretary Of Defense **Date:** March 2014

Appropriation/Budget Activity 0400 / 2	R-1 Program Element (Number/Name) PE 0602228D8Z / <i>Historically Black Colleges and Universities and Minority Institutions (HBCU/MI)</i>	Project (Number/Name) P489 / <i>Historically Black Colleges and Universities and Minority Institutions (HBCU/MI)</i>
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COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
P489: <i>Historically Black Colleges and Universities and Minority Institutions (HBCU/MI)</i>	-	27.246	-	-	-	-	-	-	-	-	Continuing	Continuing

The FY 2015 OCO Request will be submitted at a later date.

Note

The HBCU/MI Program was realigned from Budget Activity (BA) 2, Program Element (PE) 0602228D8Z to BA 1, PE 0601228D8Z in FY 2014. The Office of the Secretary of Defense (OSD) Assistant Secretary of Defense for Research and Engineering (ASD(R&E)) retains oversight and execution of the program.

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B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2013	FY 2014	FY 2015
Title: Historically Black Colleges and Universities and Minority Institutions (HBCU/MI)	27.246	-	-

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2013	FY 2014	FY 2015
<p>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.</p> <p>FY 2013 Accomplishments: Conducted annual competition of the HBCU/MI program that resulted in 57 equipment/instrumentation awards totaling \$20.0 million. Established the process needed to fund new Centers of Excellence in support of the ASD(R&E) Science and Technology (S&T) Priorities in the areas of Cyber Security Science and Technology, Data-to-Decisions, and Autonomy. Expanded the HBCU/MI participation in Multidisciplinary University Research Initiative (MURI), Defense University Research Instrumentation Program (DURIP), Minerva, and Science, Mathematics, and Research for Transformation (SMART) programs. Developed a DoD-wide HBCU/MI Strategic Plan. Continued to assess the DoD-wide HBCU/MI programs in order to strengthen the competitive position of these institutions within DoD. Continued 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, and the Thurgood Marshall College Fund totaling \$7.000 million. Conducted annual review of the six DoD Centers of Excellence. Continued to examine the effectiveness of DoD-wide efforts to increase the number of minorities graduating from HBCUs/MIs in STEM fields and the transition of these students into the DoD or the federal workforce. Conducted outreach webinars and workshops to expose HBCUs/MIs to opportunities in DoD.</p>			
Accomplishments/Planned Programs Subtotals	27.246	-	-

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u> <u>Base</u>	<u>FY 2015</u> <u>OCO</u>	<u>FY 2015</u> <u>Total</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• BA 1, PE 0601228D8Z: <i>HBCU/MI</i>	-	35.895	24.412	-	24.412	26.812	26.421	27.312	32.312	Continuing	Continuing

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

Since FY 2007, the following data has been collected as a grant requirement:

- Percent of students graduating with undergraduate degrees in Science, Mathematics, Engineering, and Technology fields.

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<ul style="list-style-type: none">• Percent of students pursuing graduate and Ph.D. degrees.• Number of undergraduate students achieving specified Grade Point Average.• Number of students participating in the Centers of Excellence for Research and Engineering.• Number of students working in Defense Laboratories. <p>This data constitutes the "Existing Baseline" for measurement and improvement in future years.</p>		