

# ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

**February 2007**

<b>BUDGET ACTIVITY</b> <b>6 - Management support</b>	<b>PE NUMBER AND TITLE</b> <b>0605606A - AIRCRAFT CERTIFICATION</b>						<b>PROJECT</b> <b>092</b>		
COST (In Thousands)	FY 2006 Actual	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	
092 AIRCRAFT CERTIFICATION	2694	4530	4688	5024	5756	6004	9548	9842	

**A. Mission Description and Budget Item Justification:** The Aircraft Certification program is an Army Aviation mission unique to the Aviation and Missile Command that provides for the independent Airworthiness Qualification of all assigned Development and In-Production Army Manned and Unmanned Aircraft systems required per AR 70-62. The Aircraft Certification Program is essential for ensuring the safe operations of aircraft. This program, when all requirements are fully funded, performs all engineering functions (design, analysis, testing, demonstrations, and system specification compliance) essential for certifying the airworthiness of assigned Army aircraft, performs safety-of-flight investigations/assessments, evaluates system risks, develops Airworthiness Impact Statements, evaluates and issues Airworthiness Flight Releases, Safety of Flight Messages, Aviation Safety Action Messages to the field, manages/executes the Army's Aeronautical Design Standards (ADS) Program, manages airworthiness approval of new vendor qualification and material changes for all assigned Army aircraft systems, provides airworthiness-engineering support to the Army Aviation Program Executive Office (PEO) and Technology Applications Program Office (TAPO) requirements for major development/modification and any future system/subsystems, and manages the test and evaluation process to support airworthiness qualification process. This program performs general research and development support of aircraft qualifications and overarching airworthiness projects that involve multiple platforms or airworthiness processes. Current programs requiring Airworthiness Qualification support are TAPO and PEO Aviation Future Force Systems such as Apache, Chinook, and Black Hawk; new systems such as Armed Reconnaissance Helicopter (ARH) and Light Utility Helicopter (LUH), and other critical aircraft programs such as Aviation Mission Equipment, Aviation Survivability Equipment, Unmanned Aircraft Systems, and Blue Force Tracker. With the currently budgeted D092 program, a minimal aircraft certification program will be executed. Beginning in FY 07, the effort will be limited to overarching airworthiness projects affecting multiple platforms; development of airworthiness procedures, specifications, and other critical standard design and qualification documents; active participation in airworthiness related tri-service activities (i.e. Joint Logistics Commanders Group); and early airworthiness involvement in Technology Transition projects (i.e. Joint Heavy Lift and OSD initiatives). Platform specific airworthiness certification efforts will be conducted through PEO Aviation funding lines.

<b><u>Accomplishments/Planned Program:</u></b>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
Managed/executed technical and airworthiness qualification mission for PEO Aviation/force modernization aircraft systems or multi-system programs. In FY 07, will be limited to multiplatform airworthiness efforts.	975	1708	1705	1732
Continued to ensure safety of flight investigations/assessments to include PEO Aviation/force modernization of aircraft systems.	667	480	647	647
Develop, implement, and maintain Army Aeronautical Design Standards, airworthiness procedures and tools, and overarching Airworthiness qualification documentation.	236	743	776	774
Provided continuing engineering support for technology upgrades to PEO Aviation/force modernization aircraft systems.	599	851	851	851
Continued to provide test management capability for PEO Aviation Program/Project/Product Managers.	217			311
Active involvement in tri-service/NATO airworthiness activities (i.e. Joint Logistics Commanders Group).		709	709	709
SBIR/STTR		39		
<b>Total</b>	<b>2694</b>	<b>4530</b>	<b>4688</b>	<b>5024</b>

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	FY 2006	FY 2007	FY 2008	FY 2009
<b><u>B. Program Change Summary</u></b>				
Previous President's Budget (FY 2007)	2709	4580	4691	5002
Current BES/President's Budget (FY 2008/2009)	54039	80467	74391	75067
Total Adjustments	51330	75887	69700	70065
Congressional Program Reductions		-17		
Congressional Rescissions				
Congressional Increases				
Reprogrammings	-15	-33		
SBIR/STTR Transfer				
Adjustments to Budget Years			-3	22

Change Summary Explanation: None.