

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 United States Special Operations Command **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 1160429BB: <i>MC-130J SOF Tanker Recapitalization/S875</i>
---	---

COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	4.474	5.932	7.624	0.000	7.624	49.866	27.423	13.042	7.079	Continuing	Continuing
S875: <i>MC-130J SOF Tanker Recapitalization</i>	4.474	5.932	7.624	0.000	7.624	49.866	27.423	13.042	7.079	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Special Operations Forces (SOF) MC-130J SOF Tanker Recapitalization program element funds core SOF-unique modifications to recapitalize aging MC-130E Combat Talon I, MC-130P Combat Shadow, and AC-130H Spectre airframes. These platforms perform clandestine or low visibility, single- or multi-ship low-level missions intruding politically-sensitive or hostile territories; provide air refueling for special operations helicopters and CV-22 aircraft; airdrop of leaflets, small special operations teams, resupply bundles and combat rubber raiding craft; and close air support (CAS), air interdiction, armed reconnaissance, escort, and force protection – integrated base defense. Additional capabilities include low-light navigation and in-flight refueling as a receiver. The Air Force will procure and field basic aircraft, common support equipment, and trainers for USSOCOM. An incremental upgrade approach will be used to incorporate SOF capabilities onto the aircraft.

Variable Speed Drogue: Develop, integrate, and test a variable speed air refueling drogue that will permit refueling over a wide range of speed supporting both helicopters and tilt-rotor aircraft without tanker aircraft reconfiguration.

SOF Unique Modification Development & Analysis: Conduct trade-off analysis, development, integration, and testing of aircraft enhancements to meet SOF-unique mission requirements. Enhancements include, but are not limited to, SOF communications, aircraft performance enhancements, situational awareness enhancements, survivability systems, and integration of the Precision Strike Package.

UNCLASSIFIED

R-1 Line Item #261

Page 1 of 8

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 United States Special Operations Command **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 1160429BB: <i>MC-130J SOF Tanker Recapitalization/S875</i>
---	---

B. Program Change Summary (\$ in Millions)

	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011 Base</u>	<u>FY 2011 OCO</u>	<u>FY 2011 Total</u>
Previous President's Budget	4.646	5.957	0.000	0.000	0.000
Current President's Budget	4.474	5.932	7.624	0.000	7.624
Total Adjustments	-0.172	-0.025	7.624	0.000	7.624
• Congressional General Reductions		-0.025			
• Congressional Directed Reductions		0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds		0.000			
• Congressional Directed Transfers		0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-0.172	0.000			
• Other Adjustment	0.000	0.000	7.624	0.000	7.624

Change Summary Explanation

Funding:

FY09: Decrease of -\$0.172 million is due to Small Business Innovative Research transfer.

FY10: Decrease of -\$0.025 million is due to Section 8097 congressional general reduction.

FY11: Increase of \$7.624 million for the integration of the Precision Strike Package on the AC-130H.

Schedule: None.

Technical: None.

UNCLASSIFIED

R-1 Line Item #261

Page 2 of 8

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2011 United States Special Operations Command **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY			R-1 ITEM NOMENCLATURE					PROJECT			
0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>			PE 1160429BB: <i>MC-130J SOF Tanker Recapitalization/S875</i>					S875: <i>MC-130J SOF Tanker Recapitalization</i>			
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
S875: <i>MC-130J SOF Tanker Recapitalization</i>	4.474	5.932	7.624	0.000	7.624	49.866	27.423	13.042	7.079	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

The Special Operations Forces (SOF) MC-130J SOF Tanker Recapitalization program element funds core SOF-unique modifications to recapitalize aging MC-130E Combat Talon I, MC-130P Combat Shadow, and AC-130H Spectre airframes. These platforms perform clandestine or low visibility, single- or multi-ship low-level missions intruding politically-sensitive or hostile territories; provide air refueling for special operations helicopters and CV-22 aircraft; airdrop of leaflets, small special operations teams, resupply bundles and combat rubber raiding craft; and close air support (CAS), air interdiction, armed reconnaissance, escort, and force protection – integrated base defense. Additional capabilities include low-light navigation and in-flight refueling as a receiver. The Air Force will procure and field basic aircraft, common support equipment, and trainers for USSOCOM. An incremental upgrade approach will be used to incorporate SOF capabilities onto the aircraft.

Variable Speed Drogue: Complete development, integration, and test of a variable speed air refueling drogue to meet SOF Initial Operational Capability.

SOF-Unique Modification Development & Analysis: Trade-off analysis, development, integration, and testing of aircraft enhancements to meet SOF-unique mission requirements.

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

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Variable Speed Drogue <i>FY 2009 Accomplishments:</i> Completed development of the variable speed drogue and conducted flight test.	1.524	0.000	0.000	0.000	0.000
SOF-Unique Modification Dev & Analysis	2.950	5.932	7.624	0.000	7.624

UNCLASSIFIED

R-1 Line Item #261

Page 3 of 8

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2011 United States Special Operations Command **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 1160429BB: <i>MC-130J SOF Tanker Recapitalization/S875</i>	PROJECT S875: <i>MC-130J SOF Tanker Recapitalization</i>
---	---	--

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

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
<p><i>FY 2009 Accomplishments:</i> Continued development of SOF-unique mission improvements to include SOF communications, aircraft performance enhancement, situational awareness enhancements and defensive systems.</p> <p><i>FY 2010 Plans:</i> Continues development of SOF-unique mission improvements to include SOF communications, aircraft performance enhancement, situational awareness enhancements and defensive systems.</p> <p><i>FY 2011 Base Plans:</i> Continue development of SOF-unique mission improvements and initiate integration of Precision Strike Package.</p>					
Accomplishments/Planned Programs Subtotals	4.474	5.932	7.624	0.000	7.624

C. Other Program Funding Summary (\$ in Millions)

Line Item	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To Complete	Total Cost
• PROC1: <i>SOF C-130 Recap</i>	11.253	34.095	19.996		19.996	62.542	75.890	80.651	104.429	Continuing	Continuing
• PROC2: <i>PSP for SOF Airborne platform</i>						46.410	133.350	190.043	213.740	Continuing	Continuing
• RDTE: <i>SF100</i>	72.225	72.308	68.691		68.691	76.041	78.689	55.581	35.267	Continuing	Continuing

D. Acquisition Strategy

The MC-130J SOF Tanker Recapitalization aircraft will be acquired under the United States Air Force HC/MC-130J Recapitalization procurement program. USSOCOM will fund development, integration, test, and production/retrofit of SOF-unique mission equipment under this program and the USSOCOM Precision Strike Package for SOF Airborne Platform program.

E. Performance Metrics

N/A

UNCLASSIFIED

R-1 Line Item #261

Page 4 of 8

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 United States Special Operations Command **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 1160429BB: <i>MC-130J SOF Tanker Recapitalization/S875</i>	PROJECT S875: <i>MC-130J SOF Tanker Recapitalization</i>
---	---	--

Product Development (\$ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Variable Speed Drogue	C/CPIF	Various Various	7.409	0.000		0.000		0.000		0.000	0	7.409	Continuing
SOF Unique Mod Dev & Anal	TM	Lockheed Martin Aero Marietta, GA	6.232	5.932	Mar 2010	7.624	Mar 2011	0.000		7.624	Continuing	Continuing	Continuing
Subtotal			13.641	5.932		7.624		0.000		7.624	0.000	7.409	

Remarks

Support (\$ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Development Support	Allot	668 AESS Wright Patterson AFB, OH	0.613	0.000		0.000		0.000		0.000	0	0.613	Continuing
Subtotal			0.613	0.000		0.000		0.000		0.000	0.000	0.613	

Remarks

UNCLASSIFIED

R-1 Line Item #261

Page 5 of 8

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2011 United States Special Operations Command **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 1160429BB: <i>MC-130J SOF Tanker Recapitalization/S875</i>	PROJECT S875: <i>MC-130J SOF Tanker Recapitalization</i>
---	---	--

Exhibit R-4, RDT&E Program Schedule Profile												Date: FEBRUARY 2010																
Appropriation/Budget Activity				Program Element Number and Name												Project Number and Name												
RDT&E, Defense-Wide/7				PE1160429BB/MC-130J SOF Tanker Recapitalization												Project S875/MC-130J SOF Tanker Recapitalization												
Fiscal Year	2009				2010				2011				2012				2013				2014				2015			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Variable Speed Drogue																												
Development																												
Integration and Test																												
SOF-Unique Modification Development & Analysis																												
Development																												
Integration and Test																												
Increment 3																												
Increment 4																												

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2011 United States Special Operations Command **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 1160429BB: <i>MC-130J SOF Tanker</i> <i>Recapitalization/S875</i>	PROJECT S875: <i>MC-130J SOF Tanker Recapitalization</i>
---	---	--

Schedule Details

Event	Start		End	
	Quarter	Year	Quarter	Year
Variable Speed Drogue: Development	1	2009	2	2010
Variable Speed Drogue: Integration and Test	1	2009	2	2010
SOF-Unique Mod Development & Analysis: Development	1	2009	1	2014
SOF-Unique Mod Development & Analysis: Integration and Test	1	2009	4	2015

UNCLASSIFIED