CLASSIFICATION:	ic i ce e		1	DATE				
EXHIBIT R-2, RDT&E Budget	item Justification			DATE:	_	000		
APPROPRIATION/BUDGET ACTIVITY	DDOCDAMI	T EMENT (DE	NAME AND	NO	F	ebruary 2006	)	
		ELEMENT (PE			Validation			
RDT&E, N /BA-4 Demonstration and Validation	UOU3031WI I	Ion-Lethal Wa	mare Demon	Stration and	validation			
COST (\$ in Millions)		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Total PE Cost		42.536	46.902	44.815	45.613	46.261	47.264	48.261
C2319 Non-Lethal Weapons		42.536	43.302	44.815	45.613	46.261	47.264	48.261
C9999 FY06 Congressional Adds		0.0	3.600	0.0	0.0	0.0	0.0	0.0
Quantity of RDT&E Articles								

property and the environment. Instead, these systems are designed to stun, incapacitate, or hinder movement of individuals, crowds, or equipment. The availability of NLWs allows commanders less than lethal options, particularly in urban warfare and military operations other than war, i.e., peacekeeping, humanitarian assistance and disaster relief, as well as special operations.

3. PROGRAM CHANGE SUMMARY  FY2005 FY2006 FY2007  (U) FY 2006 President's Budget: 45.414 43.981 44.613	February 2006 and Validation
B. PROGRAM CHANGE SUMMARY  FY2005 FY2006 FY2007  (U) FY 2006 President's Budget:  (U) Adjustments from the President's Budget:  (U) Congressional/OSD Program Reductions  (U) Congressional Rescissions  (U) Congressional Increases  (U) POM 06 Core Adjustment  (U) Reprogrammings  0603851M Non-Lethal Warfare Demonstration and Authority and	nd Validation
B. PROGRAM CHANGE SUMMARY  (U) FY 2006 President's Budget:  (U) Adjustments from the President's Budget:  (U) Congressional/OSD Program Reductions  (U) Congressional Rescissions  (U) Congressional Increases  (U) POM 06 Core Adjustment  (U) Reprogrammings  FY2005 FY2006 FY2007  45.414 43.981 44.613	ind validation
FY2005 FY2006 FY2007  (U) FY 2006 President's Budget:  (U) Adjustments from the President's Budget:  (U) Congressional/OSD Program Reductions  (U) Congressional Rescissions  (U) Congressional Increases  (U) POM 06 Core Adjustment  (U) Reprogrammings  FY2005 FY2006 FY2007  45.414 43.981 44.613  3.600	
(U) FY 2006 President's Budget: (U) Adjustments from the President's Budget: (U) Congressional/OSD Program Reductions (U) Congressional Rescissions (U) Congressional Increases (U) POM 06 Core Adjustment (U) Reprogrammings  45.414 43.981 44.613  3.600	
(U) Adjustments from the President's Budget:  (U) Congressional/OSD Program Reductions  (U) Congressional Rescissions  (U) Congressional Increases  (U) POM 06 Core Adjustment  (U) Reprogrammings  -2.055	
(U) Congressional/OSD Program Reductions (U) Congressional Rescissions (U) Congressional Increases 3.600 (U) POM 06 Core Adjustment (U) Reprogrammings -2.055	
(U) Congressional Rescissions (U) Congressional Increases 3.600 (U) POM 06 Core Adjustment (U) Reprogrammings -2.055	
(U) Congressional Increases  (U) POM 06 Core Adjustment  (U) Reprogrammings  -2.055	
(U) POM 06 Core Adjustment (U) Reprogrammings -2.055	
(U) Reprogrammings -2.055	
(U) CDID/CTTD Transfer	
(U) SBIR/STIR Hansiel -0.766	
(U) Minor Affordability Adjustment -0.035 -0.679 0.202	
(U) FY 2007 President's Budget: 42.536 46.902 44.815	
CHANGE SUMMARY EXPLANATION:	
(U) Funding: See Above.	
(U) Schedule: Not Applicable.	
(U) Technical: Not Applicable.	
(c) resimican recrippingsion	

	ROGRAM ELEMENT NUMBER AND 103851M Non-Lethal Warfare DEM 1503851M Non-Lethal Warfare DEM 1503851M Non-Lethal Warfare DEM 1503851M Non-Lethal Warfare DEM 1503851M Non-Lethal Capability to mixer movement of individuals, crowds, or ear movement of i	FY 2006 43.302 nimize fatal or equipment. The	e availability o	FY 2008  45.613  uries and under for NLWs allow	FY 2009 46.261 esired damage	m FY 2010 47.264 to property and the	
COST (\$ in Millions)  roject Cost  DT&E Articles Qty  D) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION his project develops non-lethal weapon (NLW) systems that by their design, properties of the control of th	FY 2005  42.536  A: rovide a new non-lethal capability to mier movement of individuals, crowds, or each of the company of the	FY 2006 43.302 nimize fatal or equipment. The	FY 2007  44.815  Terpermanent injue availability of	FY 2008  45.613  uries and under for NLWs allow	PY 2009  46.261  esired damage	m FY 2010 47.264 to property and the	<b>48.26</b>
COST (\$ in Millions)  roject Cost  DT&E Articles Qty  D) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION his project develops non-lethal weapon (NLW) systems that by their design, properties of the control of th	FY 2005  42.536  A: rovide a new non-lethal capability to mier movement of individuals, crowds, or each of the company of the	FY 2006 43.302 nimize fatal or equipment. The	FY 2007  44.815  Terpermanent injue availability of	FY 2008  45.613  uries and under for NLWs allow	FY 2009 46.261 esired damage	FY 2010  47.264  to property and the	<b>48.26</b>
COST (\$ in Millions)  oject Cost  DT&E Articles Qty  1) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION his project develops non-lethal weapon (NLW) systems that by their design, proceedings and the systems in the systems of the systems of the systems in the systems of the systems in the systems of the system of the systems of the system of the systems of the system of	FY 2005  42.536  V: rovide a new non-lethal capability to mier movement of individuals, crowds, or each service.	FY 2006  43.302  nimize fatal or equipment. The	FY 2007  44.815  Terpermanent injue availability of	FY 2008  45.613  uries and under of NLWs allow	FY 2009 46.261	FY 2010  47.264  to property and the	<b>48.26</b>
oject Cost  DT&E Articles Qty  D) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION his project develops non-lethal weapon (NLW) systems that by their design, proceedings and the systems of the system of the systems of the systems of the systems of the systems of the system of the s	42.536  42.536  rovide a new non-lethal capability to mier movement of individuals, crowds, or e	43.302 nimize fatal or equipment. The	44.815  r permanent injue availability o	45.613  uries and under of NLWs allow	46.261	47.264 to property and the	<b>48.26</b>
oject Cost  DT&E Articles Qty  D) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION his project develops non-lethal weapon (NLW) systems that by their design, proceedings and the systems of the system of the systems of the systems of the systems of the systems of the system of the s	42.536  42.536  rovide a new non-lethal capability to mier movement of individuals, crowds, or e	43.302 nimize fatal or equipment. The	44.815  r permanent injue availability o	45.613  uries and under of NLWs allow	46.261	47.264 to property and the	<b>48.26</b>
DT&E Articles Qty  1) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION his project develops non-lethal weapon (NLW) systems that by their design, proceedings and the systems of the system of the	V: rovide a new non-lethal capability to mier movement of individuals, crowds, or e	nimize fatal or	permanent injue availability o	uries and unde	esired damage	to property and th	ne
) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION his project develops non-lethal weapon (NLW) systems that by their design, project develops non-lethal weapon (NLW) systems that by their design, project develops non-lethal weapon (NLW) systems that by their design, project develops non-lethal weapon (NLW) systems that by their design, project develops non-lethal weapon (NLW) systems that by their design, project develops non-lethal weapon (NLW) systems that by their design, project develops non-lethal weapon (NLW) systems that by their design, project develops non-lethal weapon (NLW) systems that by their design, project develops non-lethal weapon (NLW) systems that by their design, project develops non-lethal weapon (NLW) systems that by their design, project develops non-lethal weapon (NLW) systems that by their design, project develops non-lethal weapon (NLW) systems that by their design, project develops non-lethal weapon (NLW) systems that by their design of the systems that by their design of the system of the	rovide a new non-lethal capability to mi er movement of individuals, crowds, or e	equipment. Th	e availability o	f NLWs allow			
) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION his project develops non-lethal weapon (NLW) systems that by their design, project develops non-lethal weapon (NLW) systems that by their design, project develops non-lethal weapon (NLW) systems that by their design, project develops non-lethal weapon (NLW) systems that by their design, project develops non-lethal weapon (NLW) systems that by their design, project develops non-lethal weapon (NLW) systems that by their design, project develops non-lethal weapon (NLW) systems that by their design, project develops non-lethal weapon (NLW) systems that by their design, project develops non-lethal weapon (NLW) systems that by their design, project develops non-lethal weapon (NLW) systems that by their design, project develops non-lethal weapon (NLW) systems that by their design, project develops non-lethal weapon (NLW) systems that by their design, project develops non-lethal weapon (NLW) systems that by their design of the systems that by their design of the system of the	rovide a new non-lethal capability to mi er movement of individuals, crowds, or e	equipment. Th	e availability o	f NLWs allow			
is project develops non-lethal weapon (NLW) systems that by their design, pr	rovide a new non-lethal capability to mi er movement of individuals, crowds, or e	equipment. Th	e availability o	f NLWs allow			
is project develops non-lethal weapon (NLW) systems that by their design, pr	rovide a new non-lethal capability to mi er movement of individuals, crowds, or e	equipment. Th	e availability o	f NLWs allow			
	er movement of individuals, crowds, or e	equipment. Th	e availability o	f NLWs allow			
vironment. Instead, these systems are designed to stun, incapacitate, or ninde					vs commander	s less than lethal (	options,
	keeping, humanitarian assistance and dis	aster relief, as	well as special	l operations.			
rticularly in urban warfare and military operations other than war, i.e., peacek			-	-			
) B. ACCOMPLISHMENTS/PLANNED PROGRAM:							
COST (\$ in Millions)		FY 2	2005	FY 2	2006	FY 20	07
complishment/Effort Subtotal Cost			550	2.2		2.50	
DT&E Articles Qty							
Execution oversight, administration and support of the Joint NLW Program	n and technologies database.		•				
COST (\$ in Millions)	<del>-</del>	FY 2	2005	FY 2	2006	FY 20	007
ccomplishment/Effort Subtotal Cost		0.6		0.6		0.69	
DT&E Articles Qty							
Evaluation of NLWs by Service warfighting laboratories and Joint Forces	Command (JFCOM) for direct user feed	dback of variou	us non-lethal (N	NL) technolog	ies and muniti	ons.	-
COST (\$ in Millions)			2005	FY 2		FY 20	007
ccomplishment/Effort Subtotal Cost			1.180 1.388				
DT&E Articles Qty							
Modeling and simulation (M&S) of NLWs in warfighter training/wargami	ing models and performance effects data	collection/por	pulation to dem	onstrate/analy	ze NL effects	and optimize trai	ning.
				•		1	Ü
COST (\$ in Millions)		FY 2	2005	FY 2	2006	FY 20	07
ccomplishment/Effort Subtotal Cost		1.840		2.1	00	2.26	;8
DT&E Articles Qty							
Pursuit of new technology through open competition of industry, academia	a and government laboratory sources for	NL capabilitie	es.				
COST (\$ in Millions)		FY 2	2005	FY 2	2006	FY 20	007
ccomplishment/Effort Subtotal Cost			505	2.1		1.94	
DT&E Articles Qty							
Airburst Non-Lethal Munition (formerly known as Objective Individual Co	ombat Weapons (OICW)) – Continue de	evelopment of	NL munitions	for the "next s	generation" 25	mm combat wear	on to explo

EXHIBIT R-2a, RDT&E P	roject Justification	DATE:				
			February 2006			
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME		IUMBER AND NAME			
RDT&E, N /BA-4 Adv Comp Dev & Prototypes	0603851M Non-Lethal Warfare DEM/VAL		Lethal Weapons Progran			
COST (\$ in Millions)		FY 2005	FY 2006	FY 2007		
Accomplishment/Effort Subtotal Cost		1.149	1.731	2.040		
RDT&E Articles Qty						
Program support for each service's coordination and parti	cipation in the Joint NLW Program.					
COST (\$ in Millions)		FY 2005	FY 2006	FY 2007		
Accomplishment/Effort Subtotal Cost		1.600	1.296	0.756		
RDT&E Articles Qty						
Mk19 NL Munition - Development of a NL munition for	the 40mm Mk19 Grenade Machine Gun.		<u>,                                      </u>			
COST (\$ in Millions)		FY 2005	FY 2006	FY 2007		
Accomplishment/Effort Subtotal Cost		4.857	4.945	5.000		
RDT&E Articles Qty						
Accomplishment/Effort Subtotal Cost RDT&E Articles Qty		0.538	0.540	0.000		
Advanced Tactical Laser (ATL) Advanced Concept Tech	nology Demonstration (ACTD) - Jointly sponsored effort to demo	onstrate technology	concepts to satisfy the critical			
Advanced Tactical Laser (ATL) Advanced Concept Tech precision strike capability.				mission needs for an u		
Advanced Tactical Laser (ATL) Advanced Concept Tech precision strike capability.  COST (\$ in Millions)		FY 2005	FY 2006	mission needs for an u		
Advanced Tactical Laser (ATL) Advanced Concept Tech precision strike capability.  COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost				mission needs for an u		
Advanced Tactical Laser (ATL) Advanced Concept Tech precision strike capability.  COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty		FY 2005 <b>2.465</b>	FY 2006 <b>0.000</b>	mission needs for an u FY 2007 0.000		
Advanced Tactical Laser (ATL) Advanced Concept Tech precision strike capability.  COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty  Non-Lethal Technology Research, Marine Corps Research	th University - This Congressional plus-up is intended to assist in t	FY 2005 <b>2.465</b>	FY 2006 <b>0.000</b>	mission needs for an u FY 2007 0.000		
Advanced Tactical Laser (ATL) Advanced Concept Tech precision strike capability.  COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty  Non-Lethal Technology Research, Marine Corps Research programmatics of several new initiatives and the indepen	th University - This Congressional plus-up is intended to assist in t	FY 2005 2.465 he cross-compariso	FY 2006 0.000 n of technology, human effect	FY 2007 0.000 ts and long term		
Advanced Tactical Laser (ATL) Advanced Concept Tech precision strike capability.  COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty  Non-Lethal Technology Research, Marine Corps Research programmatics of several new initiatives and the indepen COST (\$ in Millions)	th University - This Congressional plus-up is intended to assist in technical assessment of Joint NLWs.	FY 2005 2.465 he cross-compariso FY 2005	FY 2006  0.000  n of technology, human effectors  FY 2006	mission needs for an u FY 2007 0.000		
Advanced Tactical Laser (ATL) Advanced Concept Tech precision strike capability.  COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty  Non-Lethal Technology Research, Marine Corps Research programmatics of several new initiatives and the indepen COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost	th University - This Congressional plus-up is intended to assist in technical assessment of Joint NLWs.	FY 2005 2.465 he cross-compariso	FY 2006 0.000 n of technology, human effect	FY 2007 0.000 ts and long term		
Advanced Tactical Laser (ATL) Advanced Concept Tech precision strike capability.  COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty  Non-Lethal Technology Research, Marine Corps Research programmatics of several new initiatives and the indepen COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty	th University - This Congressional plus-up is intended to assist in the dent technical assessment of Joint NLWs.	FY 2005 2.465  he cross-compariso  FY 2005 1.400	FY 2006  0.000  n of technology, human effectors  FY 2006	FY 2007 0.000 ts and long term FY 2007		
Advanced Tactical Laser (ATL) Advanced Concept Tech precision strike capability.  COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty  Non-Lethal Technology Research, Marine Corps Research programmatics of several new initiatives and the indepen COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty	th University - This Congressional plus-up is intended to assist in technical assessment of Joint NLWs.	FY 2005 2.465  he cross-compariso  FY 2005 1.400	FY 2006  0.000  n of technology, human effectors  FY 2006	FY 2007 0.000 ts and long term FY 2007		
Advanced Tactical Laser (ATL) Advanced Concept Tech precision strike capability.  COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty  Non-Lethal Technology Research, Marine Corps Research programmatics of several new initiatives and the indepen COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty	th University - This Congressional plus-up is intended to assist in the dent technical assessment of Joint NLWs.  s and testing of anti-traction material and delivery methods/volume	FY 2005 2.465  he cross-compariso  FY 2005 1.400	FY 2006  0.000  n of technology, human effectors  FY 2006	FY 2007 0.000 ts and long term FY 2007		
Advanced Tactical Laser (ATL) Advanced Concept Tech precision strike capability.  COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty  Non-Lethal Technology Research, Marine Corps Research programmatics of several new initiatives and the indepentation of COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty  Mobility Denial System (MDS) - Joint evauation, analysis	th University - This Congressional plus-up is intended to assist in the dent technical assessment of Joint NLWs.  s and testing of anti-traction material and delivery methods/volume	FY 2005 2.465  he cross-compariso  FY 2005 1.400  es.	FY 2006  0.000  n of technology, human effect  FY 2006  0.918	FY 2007 0.000 ts and long term FY 2007 0.380		
Advanced Tactical Laser (ATL) Advanced Concept Tech precision strike capability.  COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty  Non-Lethal Technology Research, Marine Corps Research programmatics of several new initiatives and the indepentation COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty  Mobility Denial System (MDS) - Joint evauation, analysi  COST (\$ in Millions)	th University - This Congressional plus-up is intended to assist in the dent technical assessment of Joint NLWs.  s and testing of anti-traction material and delivery methods/volume	FY 2005 2.465  he cross-compariso  FY 2005 1.400  es.	FY 2006  0.000  n of technology, human effect  FY 2006  0.918  FY 2006	mission needs for an  FY 2007 0.000  ts and long term  FY 2007 0.380  FY 2007		
Advanced Tactical Laser (ATL) Advanced Concept Tech precision strike capability.  COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty  Non-Lethal Technology Research, Marine Corps Research programmatics of several new initiatives and the indepentation of COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty  Mobility Denial System (MDS) - Joint evauation, analysi  COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty	th University - This Congressional plus-up is intended to assist in the dent technical assessment of Joint NLWs.  s and testing of anti-traction material and delivery methods/volume	FY 2005 2.465  he cross-compariso  FY 2005 1.400  es.  FY 2005 5.117	FY 2006  0.000  n of technology, human effect  FY 2006  0.918  FY 2006  5.003	FY 2007 0.380  FY 2007 6.412		

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EXHIBIT R-2a, RDT&E P	roject Justification	DATE:	February 20	06
PPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT N	IUMBER AND NAME	
DT&E, N /BA-4 Adv Comp Dev & Prototypes	0603851M Non-Lethal Warfare DEM/VAL		Lethal Weapons Progran	n
COST (\$ in Millions)	FY	′ 2005	FY 2006	FY 2007
accomplishment/Effort Subtotal Cost	4	.847	6.427	7.833
RDT&E Articles Qty				
The advanced development of emerging technologies into	the acquisition process to satisfy critical joint mission tasks.			
COST (\$ in Millions)	FY	′ 2005	FY 2006	FY 2007
accomplishment/Effort Subtotal Cost	6	5.803	7.178	8.075
RDT&E Articles Qty				
. ,	nt downselected items to proceed into the acquisition cycle to provid	e NL technology	y solutions to critical joint mis	sion tasks.
COST (\$ in Millions)	FY	′ 2005	FY 2006	FY 2007
accomplishment/Effort Subtotal Cost		.300	1.458	1.458
RDT&E Articles Qtv				
process. Expanded interaction with component commande  COST (\$ in Millions)  ccomplishment/Effort Subtotal Cost		2005 3.225	FY 2006 3.240	FY 2007 3.240
RDT&E Articles Qty			0.240	0.240
	nt of laser hardware and extensive human effects characterization res	search and to con	rtinue refinement of bio-effect	ts characterization and
COST OF ILLIVINOUS				F Y /UU/
		.195	0.813	
ccomplishment/Effort Subtotal Cost		.195	0.813	0.000
Accomplishment/Effort Subtotal Cost	Payload Module - Development of NL mission payload modules for			0.000
Accomplishment/Effort Subtotal Cost RDT&E Articles Qty Tactical Unmanned Ground Vehicle (TUGV) NL Mission be developed and tested for integration on multiple UGVs COST (\$ in Millions)	Payload Module - Development of NL mission payload modules for and allow the user to remotely fire NL payloads.	r integration into	the TUGV. This will allow v	0.000 various NL payload modules FY 2007
RDT&E Articles Qty Tactical Unmanned Ground Vehicle (TUGV) NL Mission be developed and tested for integration on multiple UGVs	Payload Module - Development of NL mission payload modules for and allow the user to remotely fire NL payloads.	r integration into	the TUGV. This will allow v	0.000 various NL payload modules

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EXHIBIT R-2a, RDT&E Proj	ect Justification			DATE:				
					)6			
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUI				NUMBER AND NAME			
RDT&E, N /BA-4 Adv Comp Dev & Prototypes	0603851M Non-Lethal Wa	rfare DEM/V			Lethal Weapons Program			
COST (\$ in Millions)				2005 FY 2006 F				
Accomplishment/Effort Subtotal Cost			0.4	30	0.648	0.776		
RDT&E Articles Qty								
Joint Integration Program (JIP) - Select and test newly develop	oped commercial products that may meet	the Joint Serv	ices' requiren	ents for spec	eific NL capability set common	items.		
U) Total \$			42.536		43.302	44.815		
C) Total \$								
U) PROJECT CHANGE SUMMARY:								
(c) INOUZOT OMINIOZ BOMINIMI.	FY2005	FY2006	FY2007					
(U) FY 2006 President's Budget:	45.414	43.981	44.613					
(U) Adjustments from the President's Budget:								
(U) Congressional/OSD Program Reductions								
(U) Congressional Rescissions								
(U) Congressional Increases								
(U) Reprogrammings	-2.055							
(U) SBIR/STTR Transfer	-0.788							
(U) Minor Affordability Adjustment	-0.035	-0.679	0.202					
(U) FY 2007 President's Budget:	42.536	43.302	44.815					
CHANGE SUMMARY EXPLANATION:								
(U) Funding: See Above.								
(U) Schedule: Not Applicable.								
(U) Technical: Not Applicable.								

UNCLASSIFIED											
Justification				DATE:		-1					
PROGRAM ELEMENT NUMBER AND NAME  PROJECT NUMBER AND NAME  O603851M Non-Lethal Warfare DEM/VAL  C2319 Non-Lethal Weapons Program											
EV 0005	E)/ 0000	E)/ 0007	F)/ 0000	EV 0000	E)/ 0040	EV 0044	T 0 1	T 1 1 0			
			FY 2008	FY 2009	FY 2010	FY 2011	To Compi	Total Cos			
0.000	5.072	17.051									
27.453	0.000	0.000									
j	PROGRAM E 0603851M No  FY 2005 1.140 0.000	PROGRAM ELEMENT NU 0603851M Non-Lethal Wa  FY 2005 FY 2006 1.140 1.112 0.000 5.072	PROGRAM ELEMENT NUMBER AND 0603851M Non-Lethal Warfare DEM/V  FY 2005 FY 2006 FY 2007 1.140 1.112 4.030 0.000 5.072 17.051	PROGRAM ELEMENT NUMBER AND NAME   0603851M Non-Lethal Warfare DEM/VAL	PROGRAM ELEMENT NUMBER AND NAME	DATE:   FROGRAM ELEMENT NUMBER AND NAME   PROJECT NUMBER AND	DATE:   February 200	DATE:   February 2006   PROGRAM ELEMENT NUMBER AND NAME   PROJECT NUMBER AND NAME			

(U) Related RDT&E: Not Applicable.

### (U) D. ACQUISITION STRATEGY:

The JNLW Program strategy is to continue to pursue the fielding of NLW systems through modifying Commercial-Off-The-Shelf (COTS) products for near term capabilities and the development of new technology NLW systems in various stages of acquisition. These balanced with efforts in modeling and simulation, experimentation, and state-of-the-art technology investment. The acquisition strategy for each weapon system is largely lead service dependent.

### (U) E. MAJOR PERFORMERS:

FY04-FY07 - ARDEC, Picatinny Arsenal, NJ. Development and evaluation of the Airburst Non-lethal Munition program, the Non-Lethal (NL) Mortar program, the Mk19 Grenade Machine Gun NL Munitions program and the Vehicle Lightweight Arresting Device program.

FY04-FY07 - Raytheon Company, Rancho Cucamonga, CA. Working with the Air Force Research Laboratory at Kirtland Air Force Base, NM on the Active Denial System (ADS) Advanced Concept Technology Demonstration (ACTD) to continue the evaluation, testing and target assessment of a HMMWV mounted directed energy system.

(U) SCHEDULE PROFILE: Not Applicable.

					DATE:							
Exhi	ibit R-3 Cost	t Analysis					F	ebruary 20	006			
APPROPRIATION/BUDGET	ACTIVITY	PROGRAM ELEME	ENT		PROJEC	T NUMBER	AND NAN	ЛE				
RDT&E, N /BA-4 Adv Comp	Dev & Prot	otypes 0603851M Non-Le	thal Warfare D	EM/VAL	C2319 No	on-Lethal \	Veapons F	Program				
Cost Categories	Contract	Performing	Total		FY 05		FY 06		FY 07			Target
	Method	Activity &	PY s	FY 05	Award	FY 06	Award	FY 07	Award	Cost to	Total	Value of
	& Type	Location	Cost	Cost	Date	Cost	Date	Cost	Date	Complete		Contract
Product Development	MIPR	ARDEC, Picatinny, NJ	59.618			5.879		4.297	10/06	Cont		
Product Development	MIPR	SOCOM, McDill AFB, FL	4.500			0.540		0.000		Cont		
Product Development	WR	NSWC, Various	13.567	1.478		1.296		1.080		Cont		
Product Development	MIPR	Kirtland AFB, NM	37.106			4.945		5.400		Cont		
Product Development	MIPR	JWCF, Ft. Monroe, VA	2.214			0.645		0.695		Cont		
Product Development	MIPR	Brooks AFB, TX	11.078			5.463		6.210		Cont		
Product Development	WR/RCP	MCSC, Quantico,VA	23.637	3.164		3.150	11/05	1.951	11/06	Cont		
Product Development	MIPR	NSMA,Arlington, VA	8.777	3.225		3.240		3.240		Cont		
Product Development	CPFF	MCLB, Albany,GA	2.654			0.000		0.000		Cont		
Product Development	MIPR	Various - M&S	3.675			1.388		1.438		Cont		
Product Development	MIPR	Various - JIP	5.165			0.648		0.776		Cont		
Product Development	MIPR	Var (Uniformed Services)	19.165	10.452	Various	12.378	Various	15.703	Various	Cont	Cont	
Subtotal Product Dev			191.156	39.252		39.572		40.790		Cont	Cont	
Remarks:												
Cost Categories	Contract	Performing	Total		FY 05		FY 06		FY 07			Target
	Method	Activity &	PY s	FY 05	Award	FY 06	Award	FY 07	Award	Cost to	Total	Value of
	& Type	Location	Cost	Cost	Date	Cost	Date	Cost	Date	Complete	Cost	Contract
Support Cost	WR	MCSC, Quantico, VA	3.969			0.450		0.450		Cont		
Support Cost	WR	NSWC, Dahlgren, VA	2.693			0.440		0.440		Cont		
Support Cost	Various	MCSC, Quantico, VA	6.479			0.590	12/05	0.635		Cont		
Support Cost	Various	Various	6.452	1.864	Various	2.250	Various	2.500	Various	Cont	Cont	
											_	
Subtotal Support			19.593	3.284		3.730		4.025		Cont	Cont	
Remarks:												
Cost Categories	Contract	Performing	Total		FY 05		FY 06		FY 07			Target
	Method	Activity &	PY s	FY 05	Award	FY 06	Award	FY 07	Award	Cost to	Total	Value of
	& Type	Location	Cost	Cost	Date	Cost	Date	Cost	Date	Complete	Cost	Contract
T&E Cost	1					1		ļ	ļ		0.000	
0.14.4.1705												
Subtotal T&E	10 1 1		0.000			0.000		0.000		0.000	0.000	_
	Contract	Performing	Total		FY 05	E) ( 6 5	FY 06		FY 07			Target
	Method	Activity &	PY s	FY 05	Award	FY 06			Award	Cost to	Total	Value of
Managamant	& Type	Location	Cost	Cost	Date	Cost	Date	Cost	Date	Complete		Contract
Management	-				1			-	1		0.000	
Subtotal Management	+		0.000	0.000	-	0.000		0.000	-	0.000	0.000	
Subtotal Management		1	0.000	0.000	<u> </u>	0.000	<u> </u>	0.000	<u> </u>	0.000	0.000	<u> </u>
Remarks:	_		_	1	•		1		•	1	1	1
Total Cost			210.749	42.536		43.302		44.815		Cont	Cont	

# **UNCLASSIFIED**

	Exhibit R-	4/4a Schedule Profile/Deta	ail		DATE:	February 2006	
APPROPRIATION/BUD	GET ACTIVITY	PROGRAM ELEMENT			PROJECT NUMBER A	ND NAME	
RDT&E, N /BA-4 Adv C	Comp Dev & Prototypes	0603851M Non-Lethal W	arfare DEM/VAL		C2319 Non-Lethal We	apons Program	
U) D. SCHEDULE PRO	OFILE:						
<b>Mobility Denial Sys</b>	tem (MDS)						
	Milestone 0:	3rd Qtr, FY 1999	Contract Award:	1st Qtr, FY	2007		
	Milestone B:	1st Qtr, FY 2003	IOC:	3rd Qtr, FY	2007		
	DT / OT:	3rd Qtr, FY 2006	FOC:	4th Qtr, FY	2008		
	Milestone C:	4th Qtr, FY 2006					
Airburst Non-Letha	I Munition (ANLM)						
	Milestone A:	3rd Qtr, FY2003	Contract Award:	4th Qtr, FY	2008		
	Milestone B:	3rd Qtr, FY2006	IOC:	2nd Qtr, F	7 2009		
	DT / OT:	1st Qtr, FY 2008	FOC:	4th Qtr, FY 2010			
	Milestone C:	4th Qtr, FY 2008					
Active Denial Syste	m (ADS) ACTD						
	ACTD Approved:	3rd Qtr, FY2002	Contract Award:	1st Qtr, FY	2009 (for SD&D)		
	Milestone B:	1st Qtr, FY 2008	IOC:	4th Qtr, FY	2012		
	DT / OT:	4th Qtr, FY2010	FOC:	4th Qtr, FY	2014		
	Milestone C:	2nd Qtr, FY2012					

## UNCLASSIFIED

O NAME n/Val FY 2005		PROJECT		R AND NAM essional Ac		FY2011
<b>FY</b> 2005		C9999 FY	06 Congr	R AND NAM essional Ac	E Ids	
<b>FY</b> 2005		C9999 FY	06 Congr	essional Ad	lds	EV2011
FY 2005						EV2011
		FY 2007	FY 2008	FY 2009	FY2010	EV2011
0.000						FTZUII
	3.600	0.000	0.000	0.000	0.000	0.000
	FY 2	2005	FY	′06		FY07
	0.0	000	1.0	000		0.000
ended to ad	vance tech	nology to b	roaden the b	ooat trap syste	em effectivene	ss against several
						FY07
	0.0	000	2.6	600		0.000
e cross-com	nparison of	technology	, human eff	ects and long	term program	matics of several new
	0.0	000	3.0	500		0.000
		Provided to advance technique of the control of the	FY 2005 0.000	Price of the bound	Price of the contract of the c	Price of the contract of the c

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APPROPRIATION/BUDGET ACTIVITY RDT&E, N /BA-4 Demonstration and Validation (U) PROJECT CHANGE SUMMARY: (U) FY 2006 President's Budget: (U) Adjustments from the President's Budget: (U) Congressional Rescissions (U) Congressional Increases (U) Congressional Increases (U) POM 06 Core Adjustment (U) Reprogrammings (U) SBIR/STTR Transfer (U) Minor Affordability Adjustment (U) FY 2007 President's Budget: (U) FY 2008 PY 2006 FY 2007 (U) FY 2007 (U) POM 06 Core Adjustment (U) Reprogrammings (U) SBIR/STTR Sudget: (U) FY 2007 President's Budget: (U) FY 2007 O 0.000  (U) POM 06 Core Adjustment (U) FY 2007 President's Budget: (U) Technical: Not Applicable. (U) COTHER PROGRAM FUNDING SUMMARY: Line Item No. & Name  FY 2005 FY 2007 FY 2008 FY 2009 FY 2010 FY 2011 To Compl Tot	
RDT&E, N /BA-4 Demonstration and Validation (U) PROJECT CHANGE SUMMARY: (U) FY 2006 President's Budget: (U) Adjustments from the President's Budget: (U) Congressional Program Reductions (U) Congressional Increases (U) Congressional Increases (U) POM 06 Core Adjustment (U) Reprogrammings (U) SBIR/STTR Transfer (U) Minor Affordability Adjustment (U) FY 2007 President's Budget: (U) FY 2007 President's Budget: (U) Fy 2007 President's Budget: (U) Funding: See above. (U) Schedule: Not Applicable. (U) Technical: Not Applicable. (U) C. OTHER PROGRAM FUNDING SUMMARY:	
(U) PROJECT CHANGE SUMMARY:  (U) FY 2006 President's Budget:  (U) Adjustments from the President's Budget:  (U) Congressional Program Reductions  (U) Congressional Rescissions  (U) Congressional Increases  (U) POM 06 Core Adjustment  (U) Reprogrammings  (U) SBIR/STTR Transfer  (U) Minor Affordability Adjustment  (U) FY 2007 President's Budget:  (U) FY 2007 President's Budget:  (U) FUNDINGE SUMMARY EXPLANATION:  (U) FUNDING: See above.  (U) Schedule: Not Applicable.  (U) Technical: Not Applicable.	
(U) FY 2006 President's Budget: (U) Adjustments from the President's Budget: (U) Congressional Program Reductions (U) Congressional Rescissions (U) Congressional Increases (U) POM 06 Core Adjustment (U) Reprogrammings (U) SBIR/STTR Transfer (U) Minor Affordability Adjustment (U) FY 2007 President's Budget: CHANGE SUMMARY EXPLANATION: (U) Funding: See above. (U) Schedule: Not Applicable. (U) Technical: Not Applicable.	
(U) Adjustments from the President's Budget:  (U) Congressional Program Reductions  (U) Congressional Rescissions  (U) Congressional Increases  (U) POM 06 Core Adjustment  (U) Reprogrammings  (U) SBIR/STTR Transfer  (U) Minor Affordability Adjustment  (U) FY 2007 President's Budget:  CHANGE SUMMARY EXPLANATION:  (U) Funding: See above.  (U) Schedule: Not Applicable.  (U) Technical: Not Applicable.	
(U) Congressional Rescissions (U) Congressional Increases 3.600  (U) POM 06 Core Adjustment (U) Reprogrammings (U) SBIR/STTR Transfer (U) Minor Affordability Adjustment (U) FY 2007 President's Budget: 0.000 3.600 0.000  CHANGE SUMMARY EXPLANATION: (U) Funding: See above. (U) Schedule: Not Applicable. (U) Technical: Not Applicable.	
(U) Congressional Increases  (U) POM 06 Core Adjustment  (U) Reprogrammings  (U) SBIR/STTR Transfer  (U) Minor Affordability Adjustment  (U) FY 2007 President's Budget:  CHANGE SUMMARY EXPLANATION:  (U) Funding: See above.  (U) Schedule: Not Applicable.  (U) Technical: Not Applicable.	
(U) POM 06 Core Adjustment  (U) Reprogrammings  (U) SBIR/STTR Transfer  (U) Minor Affordability Adjustment  (U) FY 2007 President's Budget:  CHANGE SUMMARY EXPLANATION:  (U) Funding: See above.  (U) Schedule: Not Applicable.  (U) Technical: Not Applicable.	
(U) Reprogrammings (U) SBIR/STTR Transfer (U) Minor Affordability Adjustment (U) FY 2007 President's Budget: CHANGE SUMMARY EXPLANATION: (U) Funding: See above. (U) Schedule: Not Applicable. (U) Technical: Not Applicable.	
(U) SBIR/STTR Transfer (U) Minor Affordability Adjustment (U) FY 2007 President's Budget:  CHANGE SUMMARY EXPLANATION: (U) Funding: See above. (U) Schedule: Not Applicable. (U) Technical: Not Applicable.  (U) C. OTHER PROGRAM FUNDING SUMMARY:	
(U) Minor Affordability Adjustment  (U) FY 2007 President's Budget:  CHANGE SUMMARY EXPLANATION:  (U) Funding: See above.  (U) Schedule: Not Applicable.  (U) Technical: Not Applicable.	
(U) FY 2007 President's Budget:  CHANGE SUMMARY EXPLANATION:  (U) Funding: See above.  (U) Schedule: Not Applicable.  (U) Technical: Not Applicable.	
CHANGE SUMMARY EXPLANATION: (U) Funding: See above. (U) Schedule: Not Applicable. (U) Technical: Not Applicable.  (U) C. OTHER PROGRAM FUNDING SUMMARY:	
(U) Funding: See above. (U) Schedule: Not Applicable. (U) Technical: Not Applicable.  (U) C. OTHER PROGRAM FUNDING SUMMARY:	
(U) Technical: Not Applicable.  (U) C. OTHER PROGRAM FUNDING SUMMARY:	
(U) C. OTHER PROGRAM FUNDING SUMMARY:	
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	tal Cost
(U) Related RDT&E:	
(U) RDT&E PE 0603851M, Project C2319, NL Warfare Dem/Val 42.536 43.302 44.815 45.613 46.261 47.264 48.261 Cont	Cont
(U) D. ACQUISITION STRATEGY:	
(U) E. MAJOR PERFORMERS:	