

## ADDENDUM

### Senator Robert F. Bennett Appropriation Disclosure Requirements Fiscal Year 2010

---

Under the new disclosure requirements announced at the beginning of the 111<sup>th</sup> Congress by the Senate and House Appropriations Committees, all Members of Congress are required to post on their websites each appropriations request they submit to the respective subcommittees. The information must include an explanation of the project, a justification for the request, and the requesting entity.

Senator Bennett is requiring any entity seeking federal funding to sign, date, and return this form to his office by April 6, 2009. By signing below, the requesting entity acknowledges that each Fiscal Year 2010 Appropriations Request form submitted to Senator Bennett's office, along with this addendum, will be posted on the senator's website in compliance with the new practice of the committee, and will therefore be available to the public. By signing this addendum, the requesting entity also acknowledges that the corresponding appropriations request is a priority for the city, county, council, or other organization that it represents. Each request will continue to be thoroughly reviewed by Senator Bennett's office and by the staff of the Appropriations Committee.

Going forward, Senator Bennett will continue to work to represent Utah's interests by ensuring Utah's priorities are adequately represented with congressionally directed spending.

Note: A signed addendum must be returned for **each appropriations request submitted** for Fiscal Year 2010.

Project Name: INTERNAL AUXILIARY FUEL TANK SYSTEM (IAFTS 2005) - UH-60 N3

Head of the organization making request: Name: THOMAS M. HARRISON

Title: PRESIDENT AND GM, ROBERTSON AVIATION

Signature: JM Harrison

Date: 25 MARCH 2009

## Senator Robert Bennett FY2010 Defense Authorization and Appropriation Request Form

If submitting multiple requests:	Priority #	1	of	1		Date:	March 5, 2009
----------------------------------	------------	---	----	---	--	-------	---------------

Company/organization:		Robertson Aviation					
Address where majority of the work is to be performed:		14668 Heritagecrest Way					
City:	Bluffdale	State:	UT	Zip:	84065		
Corporate point of contact:	Tom Harrison, President						
Phone:							
Lobbyist point of contact:	D'Anna Tindal						
Phone:							

Project name:		Internal Auxiliary Fuel Tank System (IAFTS 200s)					
Is this a request for an appropriation, authorization, or both?		Both, please.					
Proposed funding agency:		Army					
Account:	Aircraft Procurement (AP A)	Budget line number [from DoD exhibit O-1, P-1, or R-1]:			Line 20		
Line title:	Utility Helicopter Mods	Program Element number:		n/a			
Is this project funded in the President's budget request? (Yes or No):		no	If yes, amount:	\$ 0			
Funding request:		\$ 5,000,000					
Is the project in a Service Chief's Unfunded Priority or Unfunded Requirements List? (Yes or No):		No, listed in Army Nat'l Guard Resolutions for FY10 objectives					
If yes, ranking:		Amount:	\$				

DoD or service program manager:		LTC Bert Vergez			Phone:	
Office name:	UH-60 A/L, SF AE-AV-A/L			Email:		
Other DoD point of contact/advocate:		David Cooper, Chief			Phone:	
Office name:	Systems Readiness Branch, NGB-AVS-A Aviation & Safety Division, ARNG			Email:		

Purpose of project (limit to 250 words) and be as accurate and concise as possible— this language will be shared with the Senate Appropriations Committee. You may also submit a separate white paper with more detail on the project):

The Army National Guard has a continuing requirement for crashworthy, ballistically self-sealing, single-point pressure refuelable internal auxiliary fuel systems, which have been developed and fielded to H-60 helicopters operated by U.S. Army Special Operations, the U.S. Navy, U.S. Air Force Combat Search and Rescue, and certain units of the U.S. Army and National Guard. This project funds the procurement of internal 200 gallon A-kits and B-kits for installation on UH-60 Black Hawk helicopters operated by the Army National Guard

Does the request meet an official DoD or service requirement? If so, cite official requirement documents and attach copies if available.

Yes, listed in Army Nat'l Guard Resolutions for FY10 objectives

Proposed bill and/or report language requested:

None needed

Please list industry, academic, and government partners:

Industri-Tech, Murray, UT; Rocky Mountain Composites, Springville, UT

Technology Marketing, Salt Lake City; Affiliated Metals, Salt Lake City

Hexell, Magna, UT

Will this request be submitted to other Senate or House offices? If so, please list:

Sen. Orrin Hatch, UT

Rep. Jason Chaffetz, UT

Rep. Harry Mitchell, AZ

Rep. Ed Pastor, AZ

Have, or will, committee staff be approached regarding this project? If so, please list staff member AND committee.

Yes, SAC – Alycia Farrell & Kate Fitzpatrick

HAC – B.G. Wright

Has funding previously been requested for this project?	yes
If yes, please fill out the following table as far as applicable	
Year and amount requested	Was funding provided? If so, amount:
FY'09 - \$6,000,000	0
FY'08 - \$5,000,000	\$3,600,000
FY'07 - \$7,000,000	\$2,700,000

Please provide a budget breakdown for the amount requested, including locations where funding will be spent:

Catalog item. Tanks made in Bluffdale, UT

## ADDENDUM

### Senator Robert F. Bennett Appropriation Disclosure Requirements Fiscal Year 2010

---

Under the new disclosure requirements announced at the beginning of the 111<sup>th</sup> Congress by the Senate and House Appropriations Committees, all Members of Congress are required to post on their websites each appropriations request they submit to the respective subcommittees. The information must include an explanation of the project, a justification for the request, and the requesting entity.

Senator Bennett is requiring any entity seeking federal funding to sign, date, and return this form to his office by April 6, 2009. By signing below, the requesting entity acknowledges that each Fiscal Year 2010 Appropriations Request form submitted to Senator Bennett's office, along with this addendum, will be posted on the senator's website in compliance with the new practice of the committee, and will therefore be available to the public. By signing this addendum, the requesting entity also acknowledges that the corresponding appropriations request is a priority for the city, county, council, or other organization that it represents. Each request will continue to be thoroughly reviewed by Senator Bennett's office and by the staff of the Appropriations Committee.

Going forward, Senator Bennett will continue to work to represent Utah's interests by ensuring Utah's priorities are adequately represented with congressionally directed spending.

Note: A signed addendum must be returned for **each appropriations request submitted** for Fiscal Year 2010.

Project Name: JAMMA Family of Vehicles – Lightweight, Armored, Small Tactical Vehicle with hybrid electric/power generation or JP8 only

Head of the organization making request: Name: William L. Durante

Title: Vice President/Director of Marketing

Signature: William L. Durante

Date: May 13, 2009

**Senator Robert F. Bennett  
FY2010 Appropriations Request Form**

Date: 02/12/09

<b>Requesting Organization:</b>	Klune Industries	<b>Address:</b>	1800 N. 300 West Spanish Fork, UT 84660		
<b>Organization Point of Contact:</b>	William Durante	<b>Phone:</b>			
<b>Address:</b>	1800 N. 300 West, Spanish Fork, UT 84660		<b>Email:</b>		
<b>DC Representation: (If any)</b>	Kraig Siracuse, Park Strategies	<b>Phone:</b>			
<b>Address:</b>	503 Capitol Court NE, Suite 100 Washington, D.C. 20002		<b>Email:</b>		
<b>Name of Project:</b>	JAMMA Family of Vehicles – Lightweight, Armored, small Tactical Vehicle with hybrid electric/power generation or JP8 only	<b>Total # of Projects Requested</b>	1	<b>Priority #:</b>	
<b>Name of Grantee:</b>		<b>Address:</b>			

<b>Suggested Appropriations Bill:</b>	
<b>Suggested Account in Bill:</b>	R&D Army, Line 33, Combat Vehicle and Automotive Advanced Technology, PE #0603005A
<b>Are you submitting this request to other offices?</b>	If yes, please list:
<b>Total Amount of Federal Funding Requested for Fiscal Year 2010:</b>	\$6,300,000.00
<b>Is any of this Funding Included in the President's Budget Request?</b>	No
<b>Anticipated Future Funding Requests (amounts and years):</b>	
<b>Local and State Funding Sources and Amounts:</b>	
<b>Other Federal Funding Sources and Amounts:</b>	
<b>If this is a Transportation Request, is it listed on the TIP or STIP?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>If this is an Energy &amp; Water Request, please include a statutory authorization for the request:</b>	

**Project Funding History**

Fiscal Year	Amount Appropriated	Appropriations Bill	Account
2009	\$2,000,000.00	DoD	R&D Army
2008	\$1,600,000.00	DoD	R&D Army
2007	\$500,000.00 & \$580,940.00		Army NAC at TARDEC budget & Air Force Research Lab budget
2006			
<b>Federal Agency Advocate (name, office, e-mail and phone number):</b>	Paul Skalny, Director of the National Automotive Center (NAC) at RDECOM-TARDEC.		
<b>State Agency Advocate (name, office, e-mail and phone number):</b>			

**One Sentence Statement of Purpose for the Project.**

Provide increased mission capability to the warfighter by delivering greater survivability, maneuverability and load carrying capability, while decreasing maintenance and logistical support requirements. Additionally, this vehicle fills an urgent need, as expressed by DoD, for an internally carried vehicle on the V-22.

**Detailed Description the Project.**

*If you wish, you may submit a separate white paper with additional details.*

The TAC-V JAMMA family of vehicles meets or exceeds requirements in the USMC/ USSOCOM Joint Operational Requirements Document (JORD) for the family of Internally Transportable Vehicle (ITV) for the V-22, and, satisfies the V-22 ITV requirements of 3 unfunded deficiencies defined in the AFSOC FY10-35 Prioritized Capability Deficiency List (PDL), and, meets the JLTV requirements for 1-4 occupant vehicle specific gaps, and, is planned to meet the requirements of the USSOCOM RFI for the Family of Special Operations

Vehicles (FOSV) ITV which will be issued in the next several months. No other lightweight, armored, high performance off road tactical vehicle or family of vehicles satisfies all of these requirements at the performance levels demonstrated by the TAC-V JAMMA family of vehicles.

**State Exactly How the FY10 Funds would be Allocated.**

Testing, validation and refinement plan, in conjunction with the Army customer (NAC) of the TAC-V JAMMA family of vehicles to allow and ensure a rapid transition from R&D to cost effective production, and, to build test article vehicles to provide fulfillment of urgent need.

**Justification for the Use of Taxpayer Funds for the Project.**

USSOCOM and USMC issued a Joint Operational Requirements Document for a V-22 Internally Transportable Vehicle (ITV) in 2004 but no vehicle existed that met the requirements of both user groups. Air Force Special Operations Command (AFSOC) has a Clandestine Electric Reconnaissance Vehicle (CERV) requirement and at least 3 unfunded deficiencies that call for a V-22 ITV in their FY10-35 Prioritized Capability Deficiency List (PDL); none of which have been fulfilled. This vehicle would satisfy those urgent needs.

## ADDENDUM

### Senator Robert F. Bennett Appropriation Disclosure Requirements Fiscal Year 2010

---

Under the new disclosure requirements announced at the beginning of the 111<sup>th</sup> Congress by the Senate and House Appropriations Committees, all Members of Congress are required to post on their websites each appropriations request they submit to the respective subcommittees. The information must include an explanation of the project, a justification for the request, and the requesting entity.

Senator Bennett is requiring any entity seeking federal funding to sign, date, and return this form to his office by April 6, 2009. By signing below, the requesting entity acknowledges that each Fiscal Year 2010 Appropriations Request form submitted to Senator Bennett's office, along with this addendum, will be posted on the senator's website in compliance with the new practice of the committee, and will therefore be available to the public. By signing this addendum, the requesting entity also acknowledges that the corresponding appropriations request is a priority for the city, county, council, or other organization that it represents. Each request will continue to be thoroughly reviewed by Senator Bennett's office and by the staff of the Appropriations Committee.

Going forward, Senator Bennett will continue to work to represent Utah's interests by ensuring Utah's priorities are adequately represented with congressionally directed spending.

Note: A signed addendum must be returned for **each appropriations request submitted** for Fiscal Year 2010.

Project Name: Laser Phalanx

Head of the organization making request: Name: Daniel Bertram  
Title: President/CEO

Signature:



Date: March 26, 2009

## Senator Robert Bennett FY2010 Defense Authorization and Appropriation Request Form

If submitting multiple requests:	Priority #	1	of	1
----------------------------------	------------	---	----	---

Date:	March 5, 2009
-------	---------------

Company/organization:		Colmek Systems Engineering			
Address where majority of the work is to be performed:		2001 South 3480 West			
City:	Salt Lake City	State:	UT	Zip:	84104
Corporate point of contact:		Daniel Betram, CEO			
Phone:					
Lobbyist point of contact:		Larry Grossman			
Phone:					

Project name:		Laser Phalanx			
Is this a request for an appropriation, authorization, or both?		Both			
Proposed funding agency:		U.S. Navy			
Account:	RDT&E	Budget line number [from DoD exhibit O-1, P-1, or R-1]:	120		
Line title:	Ship Self Defense (Engage: Hard Kill)	Program Element number:	0604756N		
Is this project funded in the President's budget request? (Yes or No):		NO	If yes, amount:	\$ 0	
Funding request:		\$ 12,000,000			
Is the project in a Service Chief's Unfunded Priority or Unfunded Requirements List? (Yes or No):		NO			
If yes, ranking:		Amount:	\$		

DoD or service program manager:		R.M Hendrickson, Captain USN		Phone:	
Office name:	Missile Defense Branch (N865), Surface Warfare Division		Email:		
Other DoD point of contact/advocate:			Phone:		
Office name:			Email:		

Purpose of project (limit to 250 words and be as accurate and concise as possible– this language will be shared with the Senate Appropriations Committee. You may also submit a separate white paper with more detail on the project):

Phalanx is a combat proven system that provides effective and affordable terminal defense against rocket, artillery and mortar threats ashore and small boat, aircraft and anti-ship cruise missile threats at sea. Spiral development and integration of a laser into the existing Phalanx weapon system will significantly increase the capability to meet emerging threats from small boats, UAVs, aircraft and eventually, anti-ship cruise missiles, as well as land-based threats such as rockets, artillery and mortars. Revolutionary technologies will enable Phalanx to fill emerging capability gaps, while also reducing acquisition and ownership costs.

The proposed next generation Phalanx roadmap requires the following for FY10: (1) continuation of spiral development for insertion of a solid state laser weapon into the Phalanx system, to include (a) development of a lightweight, marinized High Energy Laser (HEL) beam director, (b) provisions for the solid state HEL source, (c) development of tracking and fire control enhancements to accommodate the speed-of-light engagement capability,

and (d) system demonstrations against UAV's, small boats, and RAM targets; (2) development of a water cooled chasis for mount servo and power subsystem; and (3) development of infrastructure for future "readiness based" upgrades. These activities will be completed within the context of open computing architecture and network-centric operations while leveraging existing Navy and joint investments. This effort will incorporate cost reduction opportunities in relation to manpower and maintenance requirements.

Does the request meet an official DoD or service requirement? If so, cite official requirement documents and attach copies if available.

N/A

Proposed bill and/or report language requested:

N/A

Please list industry, academic, and government partners:

Raytheon Corp.

Will this request be submitted to other Senate or House offices? If so, please list:

Senator Hatch

Rep. Matheson

Have, or will, committee staff be approached regarding this project? If so, please list staff member AND committee.

TBD by Raytheon

Has funding previously been requested for this project?	Yes
If yes, please fill out the following table as far as applicable	
Year and amount requested	Was funding provided? If so, amount:
FY09 \$12,000,000	\$10,700,000

Please provide a budget breakdown for the amount requested, including locations where funding will be spent:

TBD based on funding levels and statement of work negotiated by US Navy.

**ADDENDUM**

**Senator Robert F. Bennett Appropriation Disclosure Requirements  
Fiscal Year 2010**

---

Under the new disclosure requirements announced at the beginning of the 111<sup>th</sup> Congress by the Senate and House Appropriations Committees, all Members of Congress are required to post on their websites each appropriations request they submit to the respective subcommittees. The information must include an explanation of the project, a justification for the request, and the requesting entity.

Senator Bennett is requiring any entity seeking federal funding to sign, date, and return this form to his office by April 6, 2009. By signing below, the requesting entity acknowledges that each Fiscal Year 2010 Appropriations Request form submitted to Senator Bennett's office, along with this addendum, will be posted on the senator's website in compliance with the new practice of the committee, and will therefore be available to the public. By signing this addendum, the requesting entity also acknowledges that the corresponding appropriations request is a priority for the city, county, council, or other organization that it represents. Each request will continue to be thoroughly reviewed by Senator Bennett's office and by the staff of the Appropriations Committee.

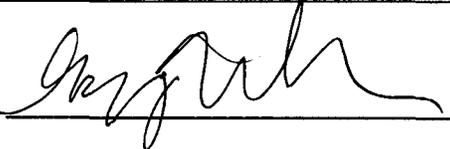
Going forward, Senator Bennett will continue to work to represent Utah's interests by ensuring Utah's priorities are adequately represented with congressionally directed spending.

Note: A signed addendum must be returned for **each appropriations request submitted for Fiscal Year 2010.**

Project Name: Long Range Supersonic Missile Engine for High Speed Strike

Head of the organization making request: Name: Gregg Williams

Title: President and Chief Executive Officer

Signature: 

Date: 25 March 2009

## Senator Robert Bennett FY2010 Defense Authorization and Appropriation Request Form

If submitting multiple requests:	Priority #		of			Date:	25 February, 2009
----------------------------------	------------	--	----	--	--	-------	-------------------

Company/organization:		Williams International Co., LLC					
Address where majority of the work is to be performed:		3450 Sam Williams Dr., Ogden, Utah					
City:	Ogden	State:	UT	Zip:	84401		
Corporate point of contact:	Scott Cruzen, Vice President, Advanced Design and Technology						
Phone:							
Lobbyist point of contact	Matt Huff						
Phone:							

Project name:		Long Range Supersonic Missile Engine for High Speed Strike					
Is this a request for an appropriation, authorization, or both?		Both					
Proposed funding agency:		USAF AFRL/PR					
Account:	Budget Account 3600	Budget line number [from DoD exhibit O-1, P-1, or R-1]:			R-1, line#21		
Line title:	Aerospace Propulsion and Power	Program Element number:		0603216F, project 4291			
Is this project funded in the President's budget request? (Yes or No):No				If yes, amount:	\$		
Funding request:				\$ 15,000,000			
Is the project in a Service Chief's Unfunded Priority or Unfunded Requirements List? (Yes or No):				No			
If yes, ranking:		Amount:		\$			

DoD or service program manager:		Lt. Col. Anthony Mitchell, VAATE program manager			Phone:		
Office name:	SAF/AQRT			Email:			
Other DoD point of contact/advocate:		William Koop, Branch Chief, Turbine Division AFRL			Phone:		
Office name:	USAF Turbine Engine Division, AFRL			Email:			

Purpose of project (limit to 250 words) and be as accurate and concise as possible— this language will be shared with the Senate Appropriations Committee. You may also submit a separate white paper with more detail on the project):

The proposed funding augmentation will be applied to the USAF/DARPA High Speed Turbine Engine Demonstrator (HiSTED) project under Phase II of the Versatile Affordable Advanced Turbine Engine (VAATE) program. Under the HiSTED project, Williams International has designed and built a supersonic turbine engine that meets DoD requirements for a Long Range High Speed Strike Missile. The engine has successfully completed its initial static testing phase and will progress to supersonic wind tunnel testing in FY2009. The requested plus-up will provide the funding needed to test the complete engine in FY2010. This testing is a critical requirement that must be accomplished before the new engine technology can transition to a flight demonstration program and support an SDD program for a Time-Critical Strike Missile in 2013. The current funding line under the VAATE/HiSTED program does not include sufficient funding to support the required testing in FY09.

Does the request meet an official DoD or service requirement? If so, cite official requirement documents and attach copies if available.

This technology is the specific subject of Defense Technology Objective DTO AP.27.00.NF (VAATE) and directly supports DTO AP.30.00.NE (Hypersonic Flight) and DTO AP.10.00.NF (Cruise Missile/Expendable Propulsion).

Proposed bill and/or report language requested:

Funding is added to the Versatile Affordable Advanced Turbine Engine (VAATE) program for the purpose of expanding and accelerating development of a supersonic engine for a high speed strike missile. The expanded effort includes added development and testing effort to reduce risk and demonstrate readiness to transition of key technologies to a future weapon system.

Please list industry, academic, and government partners:

USAF AFRL/PRT
DARPA TTO
Navy ONR

Will this request be submitted to other Senate or House offices? If so, please list:

Sen. Levin	Rep. Peters
Sen. Stabenow	Rep. Bishop
Sen. Hatch	Rep. McCotter

Have, or will, committee staff be approached regarding this project? If so, please list staff member AND committee.

Creighton Greene, SASC

Has funding previously been requested for this project?	Yes
If yes, please fill out the following table as far as applicable	
Year and amount requested	Was funding provided? If so, amount:
2009 Req. \$10,000,000	No
2008 Req. \$10,000,000	Yes, \$4,800,000
2007 Req. \$18,000,000	Yes, \$5,500,000
2006 Req. \$18,000,000	Yes, \$6,000,000

Please provide a budget breakdown for the amount requested, including locations where funding will be spent:

Test Hardware Fabrication: \$4,000,000, Ogden Utah  
 Mfg Engineering Support: \$2,500,000, Ogden Utah  
 Design Engineering Support: \$3,000,000, Walled Lake, MI  
 Engine Testing: \$5,500,000, Walled Lake, MI

**ADDENDUM**

**Senator Robert F. Bennett Appropriation Disclosure Requirements  
Fiscal Year 2010**

---

Under the new disclosure requirements announced at the beginning of the 111<sup>th</sup> Congress by the Senate and House Appropriations Committees, all Members of Congress are required to post on their websites each appropriations request they submit to the respective subcommittees. The information must include an explanation of the project, a justification for the request, and the requesting entity.

Senator Bennett is requiring any entity seeking federal funding to sign, date, and return this form to his office by April 6, 2009. By signing below, the requesting entity acknowledges that each Fiscal Year 2010 Appropriations Request form submitted to Senator Bennett's office, along with this addendum, will be posted on the senator's website in compliance with the new practice of the committee, and will therefore be available to the public. By signing this addendum, the requesting entity also acknowledges that the corresponding appropriations request is a priority for the city, county, council, or other organization that it represents. Each request will continue to be thoroughly reviewed by Senator Bennett's office and by the staff of the Appropriations Committee.

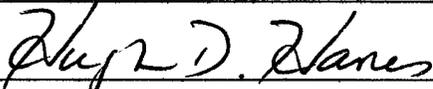
Going forward, Senator Bennett will continue to work to represent Utah's interests by ensuring Utah's priorities are adequately represented with congressionally directed spending.

Note: A signed addendum must be returned for **each appropriations request submitted** for Fiscal Year 2010.

Project Name: Metals Affordability Initiative Consortium

Head of the organization making request: Name: Hugh D. Hanes

Title: Director, MAI's Strategic Action Group

Signature: 

Date: March 24, 2009

## Senator Robert Bennett FY2010 Defense Authorization and Appropriation Request Form

If submitting multiple requests:	Priority #	1	of	1		Date:	February 24, 2009
----------------------------------	------------	---	----	---	--	-------	-------------------

Company/organization:		Metals Affordability Initiative Consortium					
Address where majority of the work is to be performed:		Wright-Patterson AFB					
City:	Dayton	State:	OH	Zip:	45433-7734		
Corporate point of contact:	Hugh D. Hanes, Director, MAI's Strategic Action Group						
Phone:							
Lobbyist point of contact	Same as above						
Phone:				Email:			

Project name:		Metals Affordability Initiative					
Is this a request for an appropriation, authorization, or both?		Both					
Proposed funding agency:		Air Force budgeted by DOD					
Account:	RDT&E, AF	Budget line number [from DoD exhibit O-1, P-1, or R-1]:			18 (last year)		
Line title:	Advanced Technology Development	Program Element number:		0603112F			
Is this project funded in the President's budget request? (Yes or No):		Yes	If yes, amount:	\$ 3.80-million discretionary funding			
Funding request:		<b>\$ 10.0-million</b>					
Is the project in a Service Chief's Unfunded Priority or Unfunded Requirements List? (Yes or No):		Unknown					
If yes, ranking:		Amount:	\$				

DoD or service program manager:		Charles H. Ward, PhD, Chief			Phone:	
Office name:	Metals, Ceramics & NDE Division Materials and Manufacturing Directorate Air Force Research Laboratory Wright-Patterson AFB, OH 45433			Email:		
Other DoD point of contact/advocate:					Phone:	
Office name:				Email:		

Purpose of project (limit to 250 words and be as accurate and concise as possible— this language will be shared with the Senate Appropriations Committee. You may also submit a separate white paper with more detail on the project):

The mission of MAI is to maintain technological leadership in the strategic aerospace metals industrial base in an increasingly competitive global marketplace, thereby preserving domestic jobs in this critical sector, while improving performance and increasing affordability of weapons systems. MAI's membership includes 18 companies, the entire domestic specialty aerospace metals industrial sector, along with our government agency partner – the Air Force Research Laboratory (AFRL). In addition to the consortium members, MAI projects have involved participants from approximately 60 additional industrial companies, including over 45 small businesses, 18 universities, and 3 National

Laboratories located in 35 states, truly a national agenda. MAI projects are competitively bid assuring participation by "the best of the best".

This sector includes the entire domestic specialty aerospace metals industrial manufacturing base, which produce the strategic metals aluminum, beryllium, nickel-base superalloys and titanium, the backbone of military systems comprising over 65% of the airframe and 80% of the engines in the Joint Strike Fighter (F-35). MAI programs have already accomplished over 50 current or planned technology insertions into military systems. MAI provides innovation, rapid development and implementation of new metals technology; many MAI programs impact sustainability of the aging AF fleet.

This funding will allow initiation of 4 new, more immediate high-impact programs, as well as sustaining ongoing programs. These new industry-led programs will be directed at improvement in total systems cost, fuel savings/energy management, "green" (environmental impact), sustainment/life extension, and access to space.

Does the request meet an official DoD or service requirement? If so, cite official requirement documents and attach copies if available.

We believe the summary plan descriptions show a structural metals line under the PE.

Proposed bill and/or report language requested:

*Metals affordability initiative*

The budget request contained \$TBD-million in PE 63112F for advanced materials for weapon systems. The committee supports the continued government-industry collaboration provided through the Metals Affordability Initiative. It provides significant improvements in the manufacturing of specialty metals for aerospace applications for the government and aerospace industry, and provides improved affordability of aerospace metals. Further, the committee encourages the Department of Defense to budget for this highly successful initiative in future years. The committee recommends an additional \$10.0 million in PE 63112F for the Metals Affordability Initiative.

Please list industry, academic, and government partners:

MAI Consortium Members: AFRL, Aerojet, ATI-Allvac, Brush Wellman, Boeing, Carpenter Technology, Crucible Materials, General Electric, Honeywell, Howmet, Ladish Co., Lockheed Martin, Northrop Grumman, PCC Structurals, Pratt & Whitney, Rolls Royce Corp., RTI International, Special Metals Corp., and Timet.

Universities: Brigham Young, University Alabama – Birmingham, University of Cincinnati, Cornell, University of Dayton, University of Florida – Gainesville, Georgia Tech, University of Michigan, University of Missouri – Rolla, University of North Carolina – Charlotte, Ohio University, Ohio State University, University of Rhode Island, University of South Carolina, University of Wisconsin – Madison, Washington University, Wichita State, & UCLA

Small Businesses: Acceleron, Alexandria Extrusion, Advanced Specialty Metals, AJT, Argo, AST, Axsys, Beyond 6, CompuTherm, Cradin Aero, Curtis Industries, DanStir, Dynamic Flowforming, Eminence Manufacturing, General Tool, Grain Valley Tool, High Performance Alloys, Immersion, Interface Welding, L.A. Gage, Lambda, MarTest, Mayday Manufacturing, Metcut, Patriot, Perfekta, Polymer Technologies, Precision Machine & Mfg., Quality Testing, Sciaky, Scientific Forming, Sierra Machine, Starmet, Supra Alloys, Synertech, TechSolve, Thayer Machine, Third Wave Systems, UES, Vista Engineering, Vykor, & Westmoreland

Will this request be submitted to other Senate or House offices? If so, please list:

Senators Bennett, Bingaman, Brown, Dodd, Kohl, Lieberman, Harry Reid, Jack Reed, Rockefeller, Schumer, Specter, Voinovich, and Wyden, also Chairmen Byrd and Levin.

Reps. Bishop [UT-1], DeFazio [OR-4], DeLauro [CN-3], Kaptur [OH-9], Gwen Moore [WI-4], Rahall [WV-3], Tim Ryan [OH-17], and Mike Turner [OH-3], also Chairmen Obey and Murtha. We are also approaching new Members in the House and Senate.

Have, or will, committee staff be approached regarding this project? If so, please list staff member AND committee.

SAC-D – Betsy Schmid & Brian Potts, SASC – Arun Seraphin

HAC-D – Chris Mallard; HASC – Doug roach

Has funding previously been requested for this project?	Yes
If yes, please fill out the following table as far as applicable	
Year and amount requested	Was funding provided? If so, amount:
FY 99	\$ 5.00
FY 00	\$ 5.00
FY 01	\$ 11.28
FY 02	\$ 4.10
FY 03	\$ 5.30
FY 04	\$ 5.00
FY 05	\$ 7.50
FY 06	\$ 5.00
FY 07	\$ 2.30
FY 08	\$ 5.00
FY 09	\$ 4.00

Please provide a budget breakdown for the amount requested, including locations where funding will be spent:

This funding will allow initiation of 4 new, more immediate high-impact programs, as well as sustaining ongoing programs. These new industry-led programs will be directed at improvement in total systems cost, fuel savings/energy management, "green" (environmental impact), sustainment/life extension, and access to space. Projects will be bid and awarded competitively. Breakdown is attached.

**FY10 Congressional Request Summary**  
1/09/09

<b>FY10 Funding Summary - \$ Million</b>			
<b>Source</b>	<b>Funding Level</b>	<b>Disbursed to Program</b>	<b>Comments</b>
AFRL 6.2 – Presidents Budget	\$ 3.800	\$ 3.800	
Congressional Add 6.3	10.000	9.000	Assumed 10% tax
<b>Totals</b>		\$12.800	

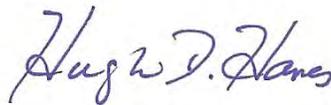
<b>Source</b>	<b>FY 09</b>	<b>FY 10</b>	<b>FY 11</b>
Air Force Led Projects – Type I	\$2.100 <sup>1</sup>	\$3.800	\$2.800
Industry Led Projects – Type II			
Ongoing Projects – 5 Projects	\$3.000	\$2.500	\$0.800
FY08 New Starts - 3 Projects	1.900	1.400	1.000
FY09 New Starts – 1 <sup>st</sup> Project	.200	.400	300
FY09 New Starts – 2 <sup>nd</sup> Project <sup>2</sup>		.500	.500
Subtotal	\$5.100	\$4.800	\$2.600
FY10 Industry Directed New Starts – 4 Projects		4.200 <sup>3</sup>	
FY10 Funding Total to Program		\$12.800	

AF / DoD / Specialty Aerospace Metals Industrial Sector Strategic Needs:

1. Improvement in Total Systems Cost
2. Energy Management / Fuel Savings
3. Green
4. Sustainment / Life Extension
5. Access to Space / Hypersonics

System Priorities

1. Legacy Systems
2. JSF (F-35 Aircraft & F135 Growth Engine)



\_\_\_\_\_  
Hugh D. Hanes, MAI SAG Director

<sup>1</sup> There are 8 active AFRL 6.2 projects – anticipate as many as 3 FY09 new starts with the major funding effort being directed to Access to Space

<sup>2</sup> Funding will be used to start a new project or leveraged with funding from another government source

<sup>3</sup> The exact amount of funding available for new starts is dependent upon budgets & spending periods. The \$4.2-million level is projected as the minimum amount available for FY10 Industry new near term project starts. Priorities will be consistent with strategic needs.

ADDENDUM

Senator Robert F. Bennett Appropriation Disclosure Requirements  
Fiscal Year 2010

---

Under the new disclosure requirements announced at the beginning of the 111<sup>th</sup> Congress by the Senate and House Appropriations Committees, all Members of Congress are required to post on their websites each appropriations request they submit to the respective subcommittees. The information must include an explanation of the project, a justification for the request, and the requesting entity.

Senator Bennett is requiring any entity seeking federal funding to sign, date, and return this form to his office by April 6, 2009. By signing below, the requesting entity acknowledges that each Fiscal Year 2010 Appropriations Request form submitted to Senator Bennett's office, along with this addendum, will be posted on the senator's website in compliance with the new practice of the committee, and will therefore be available to the public. By signing this addendum, the requesting entity also acknowledges that the corresponding appropriations request is a priority for the city, county, council, or other organization that it represents. Each request will continue to be thoroughly reviewed by Senator Bennett's office and by the staff of the Appropriations Committee.

Going forward, Senator Bennett will continue to work to represent Utah's interests by ensuring Utah's priorities are adequately represented with congressionally directed spending.

Note: A signed addendum must be returned for each appropriations request submitted for Fiscal Year 2010.

Project Name: MULTIPLE SOURCE DATA FUSION FOR DUGWAY

Head of the organization making request: Name: MICHAEL R. WILSON

Title: PRESIDENT, ITT ADV. ENG. & SCIENCES

Signature: Michael R. Wilson

Date: March 25, 2009

## Senator Robert Bennett FY2010 Defense Authorization and Appropriation Request Form

If submitting multiple requests:	Priority #	1	of	2	Date:	3/2/09
Company/organization:		ITT Advanced Engineering and Sciences				
Address where majority of the work is to be performed:		Test Technology Division, West Desert Test Center				
City:	Dugway	State:	UT	Zip:	84022	
Corporate point of contact:		Dee Williamson, Director Utah Operations				
Phone:						
Lobbyist point of contact:		Doc Syers, VP Congressional Relations				
Phone:						

Project name:		Multiple Source Data Fusion for Dugway			
Is this a request for an appropriation, authorization, or both?		Both			
Proposed funding agency:		Army			
Account:	RDTE	Budget line number [from DoD exhibit O-1, P-1, or R-1]:		135	
Line title:		Army Technical Test Instrumentation & Targets	Program Element number:		0605602A
Is this project funded in the President's budget request? (Yes or No): No			If yes, amount:	\$	
Funding request:			\$ 4.0M		
Is the project in a Service Chief's Unfunded Priority or Unfunded Requirements List? (Yes or No):			No		
If yes, ranking:		Amount:	\$		

DoD or service program manager:		Dr. Bob Radel		Phone:	
Office name:	Tech Director—Strategic programs		Email:		
Other DoD point of contact/advocate:		Dr. Marty Marshall		Phone:	
Office name:	Test Technology Division		Email:		

Purpose of project (limit to 250 words and

be as accurate and concise as possible— this language will be shared with the Senate Appropriations Committee. You may also submit a separate white paper with more detail on the project):

The Army's Developmental Test Center at Dugway is modernizing its ability to test constantly evolving chemical and biological threats. As part of that evolution, referee instrumentation and modeling tools have been introduced to give Dugway the capability for virtual as well as live testing. The current project seeks to enable the development of sample data for virtual testing via lab tests and/or simulation and allow for the test and evaluation of the proposed data products.

Does the request meet an official DoD or service requirement? If so, cite official requirement documents and attach copies if available.

The program element descriptive summary for this Army R&D PE as presented by DOD (<http://www.asafm.army.mil/budget/fybm/fy08-09/rforms/vol3.pdf> ) describes the purpose of as "providing critical front-end investments for development of ...future test capabilities.. at the seven Army Developmental Testing Centers" as recommended by the Defense Science Board.

Proposed bill and/or report language requested:

Authorize and appropriate an additional \$4M in FY 10 into Defensewide, RDT&E, Line 135, PE# 605602A - Army Technical Test Instrumentation and Targets--ONLY for the development and demonstration of Multiple Source Data Fusion for Dugway.

Please list industry, academic, and government partners:

None.

Will this request be submitted to other Senate or House offices? If so, please list:

Senator Hatch and Congressman Bishop

Have, or will, committee staff be approached regarding this project? If so, please list staff member AND committee.

Doug Bush & Doug Roach, HASC 225-4440, Paul Terry, HAC-D 225-2847, and Kate Kaufer, SAC-D 224-6688

Has funding previously been requested for this project?

YES

If yes, please fill out the following table as far as applicable

Year and amount requested	Was funding provided? If so, amount:
FY05 -	
FY06 - 1.0	
FY07 - 1.1	
FY08 - 2.8	
FY09 - 2.4	

Please provide a budget breakdown for the amount requested, including locations where funding will be spent:

R&D: .5M , Planning: .5M , Production: 1.5M , Equipment: 1.5M

**ADDENDUM**

**Senator Robert F. Bennett Appropriation Disclosure Requirements  
Fiscal Year 2010**

---

Under the new disclosure requirements announced at the beginning of the 111<sup>th</sup> Congress by the Senate and House Appropriations Committees, all Members of Congress are required to post on their websites each appropriations request they submit to the respective subcommittees. The information must include an explanation of the project, a justification for the request, and the requesting entity.

Senator Bennett is requiring any entity seeking federal funding to sign, date, and return this form to his office by April 6, 2009. By signing below, the requesting entity acknowledges that each Fiscal Year 2010 Appropriations Request form submitted to Senator Bennett's office, along with this addendum, will be posted on the senator's website in compliance with the new practice of the committee, and will therefore be available to the public. By signing this addendum, the requesting entity also acknowledges that the corresponding appropriations request is a priority for the city, county, council, or other organization that it represents. Each request will continue to be thoroughly reviewed by Senator Bennett's office and by the staff of the Appropriations Committee.

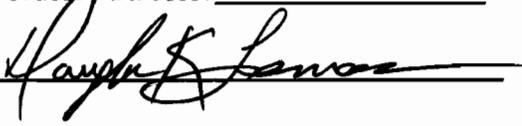
Going forward, Senator Bennett will continue to work to represent Utah's interests by ensuring Utah's priorities are adequately represented with congressionally directed spending.

Note: A signed addendum must be returned for **each appropriations request submitted for Fiscal Year 2010.**

Project Name: **Nano-Satellite Attitude Control for Military Applications** \_\_

Head of the organization making request: Name: Douglas K. Lemon, Ph.D.

Title: Laboratory Director

Signature: 

Date: March 25, 2009

## Senator Robert Bennett FY2010 Defense Authorization and Appropriation Request Form

If submitting multiple requests:	<b>Priority#: Subcmte. SDL USU/SDL Combined</b>	2 2 5	of	24		Date: March 6, 2009
Company/organization:		Space Dynamics Laboratory				
Address where majority of the work is to be performed:		1695 N. Research Park Way				
City:	North Logan	State:	Utah	Zip:	84341	
Corporate point of contact:	Tom Humpherys					
Phone:						
Lobbyist point of contact	David B. Lee, Lee & Smith, PC					
Phone:						

Project name:		<b>Nano-Satellite Attitude Control for Military Applications</b>			
Is this a request for an appropriation, authorization, or both?		Both.			
Proposed funding agency:		Department of Defense, Space and Missile Defense Command, Army			
Account:	RDT&E, Army	Budget line number [from DoD exhibit O-1, P-1, or R-1]:	R-1; Line 56		
Line title:	Army Missile Defense Systems Integration (Space)	Program Element number:	PE 0603308A		
Is this project funded in the President's budget request? (Yes or No):		NO	If yes, amount:		
Funding request:		<b>\$ 5,000,000</b>			
Is the project in a Service Chief's Unfunded Priority or Unfunded Requirements List? (Yes or No):		Uncertain/TBD			
If yes, ranking:		Amount:	\$		

DoD or service program manager:		Dr. Rodney Robertson		Phone:	
Office name:	SMDC/DT	Email:			
Other DoD point of contact/advocate:		John London		Phone:	
Office name:	SMDC	Email:			

Purpose of project (limit to 250 words and be as accurate and concise as possible— this language will be shared with the Senate Appropriations Committee. You may also submit a separate white paper with more detail on the project):

To develop the capabilities of nano-satellites to provide the warfighter on the ground with the necessary information to conduct the battle, with eyes and ears that reach beyond his line-of-sight. A constellation of nano-satellites could provide that capability provided they are designed, developed and capabilities demonstrated to perform those functions.

Does the request meet an official DoD or service requirement? If so, cite official requirement documents and attach copies if available.

Nano-satellite technologies is mentioned on the Unfunded Requirements list for SMDC.

Proposed bill and/or report language requested:

+\$5,000,000 Nano-Satellite Attitude Control, Space Dynamics Laboratory, North Logan, UT

Please list industry, academic, and government partners:

Space and Missile Defense Command (SMDC)

Will this request be submitted to other Senate or House offices? If so, please list:

None.

Have, or will, committee staff be approached regarding this project? If so, please list staff member AND committee.

None.

Has funding previously been requested for this project?	No.
---	-----

If yes, please fill out the following table as far as applicable

Year and amount requested	Was funding provided? If so, amount:

Please provide a budget breakdown for the amount requested, including locations where funding will be spent:

All funding expected to be spent at SDL in Logan, Utah.  
 Break down of FY10 Requested Funds: SDL labor (75%) \$3,500,000  
 Parts/Materials (20%) \$1,250,000  
 Travel (5%) \$ 250,000  
 Subcontract- none anticipated

Year 1: \$5M  
 Year 2: \$5M  
 Year 3: \$5M

Milestones at the end of each funding year:

End of Year 1: Complete the design and build of a prototype miniaturized spacecraft pointing control system to include miniature 3 axis wheels, sun sensor, horizon crossing indicator, and a star tracker

End of Year 2: Complete qualification testing on the prototype system. Use knowledge learned during testing of the prototype system to design and build a flight version of the miniaturized spacecraft pointing control system to include miniature 3 axis wheels, sun sensor, horizon crossing indicator, and a star tracker

End of Year 3: Integrate and test full up flight unit. Funding during this year would also fund on-orbit characterization of the flight unit so that we have all of the information we need to build follow-on flight units for small spacecraft.

## **Nano-Satellite Attitude Control For Military Applications**

**Funding:** FY10 - \$5,000,000

(Plus up to SMDC PE 0603308A Army Space Systems Integration, Project Code 990 Space and Missile Defense Integration)

**Need:** The United States military and intelligence agencies have a critical need for quick response, space-based platforms to meet tactical mission needs at an affordable price. Commanders need operationally responsive, quick-reaction satellites for a variety of applications, such as persistent surveillance of mountainous and remote regions, battlefield situational awareness, pre-mission intelligence, post attack damage assessments, tracking of threatening targets such as mobile missile launchers, and continuous communication coverage. Advances in miniaturized pointing control technology are required to enable small spacecraft in the micro-, nano- and pico- satellite regime to accomplish these missions.

**Explanation:** Current dedicated spaced-based assets are cost prohibitive and too massive to be used in a quick-reaction tactical environment. Full-up spacecraft systems typically cost \$50-75M each with an acquisition timeline of at least 5 to 7 years, while target production costs of such systems should be closer to \$2M each and call-up timelines measured in hours instead of years. Incorporating the appropriate technologies, constellations of very small satellites offer tremendous advantage to meet commander's urgent needs. The Army Space and Missile Defense Center (SMDC) is developing a prototype nano-satellite (SMDC-1) to demonstrate capabilities for the warfighter. The essential component needed to demonstrate SMDC-1 operational effectiveness is a miniaturized pointing control system to accurately direct and control the spacecraft, with the intent to lower spacecraft costs.

**Previous Accomplishments:** On contract to MDA to develop micro-sat technologies to the AFRL for the Small Low-Cost Reconnaissance Spacecraft Component (SLCRC) effort, the Space Dynamics Laboratory (SDL) developed low-mass, low-cost modular spacecraft subsystems and sensors that make operationally responsive space missions viable. These efforts resulted in successful design and demonstration of modular processing in a miniaturized package for very small spacecraft, and development of pico-satellite platform concepts for low-cost space intelligence missions. SMDC has developed SMDC-1, a nano-satellite spacecraft with further development being planned for the FY2011 POM.

**Approach:** Working with SMDC, SDL will develop a low-mass, low-cost 3-axis stabilization package for integration into the SMDC-1 type nano-satellites, allowing future responsive spacecraft to become smaller with significantly lower costs while meeting military needs. Required program funding is \$15M over a three-year timeframe, with \$5m required in FY2010. It is anticipated that following funding will be included in the Army's POM.

## ADDENDUM

### Senator Robert F. Bennett Appropriation Disclosure Requirements Fiscal Year 2010

---

Under the new disclosure requirements announced at the beginning of the 111<sup>th</sup> Congress by the Senate and House Appropriations Committees, all Members of Congress are required to post on their websites each appropriations request they submit to the respective subcommittees. The information must include an explanation of the project, a justification for the request, and the requesting entity.

Senator Bennett is requiring any entity seeking federal funding to sign, date, and return this form to his office by April 6, 2009. By signing below, the requesting entity acknowledges that each Fiscal Year 2010 Appropriations Request form submitted to Senator Bennett's office, along with this addendum, will be posted on the senator's website in compliance with the new practice of the committee, and will therefore be available to the public. By signing this addendum, the requesting entity also acknowledges that the corresponding appropriations request is a priority for the city, county, council, or other organization that it represents. Each request will continue to be thoroughly reviewed by Senator Bennett's office and by the staff of the Appropriations Committee.

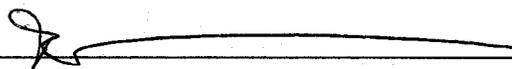
Going forward, Senator Bennett will continue to work to represent Utah's interests by ensuring Utah's priorities are adequately represented with congressionally directed spending.

Note: A signed addendum must be returned for **each appropriations request submitted** for Fiscal Year 2010.

Project Name: Neural Control of External Devices (limb movement)

Head of the organization making request: Name: Florian Solzbacher

Title: President and Executive Chairman

Signature: 

Date: 3/24/2009

**Senator Robert F. Bennett  
FY2010 Appropriations Request Form**

Date: 02/27/09

<b>Requesting Organization:</b>	Blackrock Microsystems	<b>Address:</b>	391 Chipeta Way, Suite G Salt Lake City, Utah 84108		
<b>Organization Point of Contact:</b>	Dr. Florian Solzbacker		<b>Phone:</b>		
<b>Address:</b>	391 Chipeta Way, Suite G Salt Lake City, Utah 84108		<b>Email:</b>		
<b>DC Representation:</b> (If any)	Capitol Partners		<b>Phone:</b>		
<b>Address:</b>	1101 17 <sup>th</sup> Street, Suite 202 Washington DC, 20036		<b>Email:</b>		
<b>Name of Project:</b>	Neural Control of External Devices (limb movement)		<b>Total # of Projects Requested</b>	1	<b>Priority #:</b> 1
<b>Name of Grantee:</b>	Blackrock Microsystems Inc.	<b>Address:</b>	Same as above		

<b>Suggested Appropriations Bill:</b>	Defense				
<b>Suggested Account in Bill:</b>	Army RDT&E, R-1 Line 30 Medical Advanced Technology Department, PE: 0603002A				
<b>Are you submitting this request to other offices?</b>	If yes, please list: Senator Orrin Hatch, Congressman Jim Matheson, Senator Jack Reed, Senator Sheldon Whitehouse, , Senator Edward Kennedy, Congressman Patrick Kennedy				
<b>Total Amount of Federal Funding Requested for Fiscal Year 2010:</b>	\$2 million				
<b>Is any of this Funding Included in the President's Budget Request?</b>	No				
<b>Anticipated Future Funding Requests (amounts and years):</b>	\$10 million over 5 years				
<b>Local and State Funding Sources and Amounts:</b>	NA				
<b>Other Federal Funding Sources and Amounts:</b>	NA				
<b>If this is a Transportation Request, is it listed on the TIP or STIP?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No N/A				
<b>If this is an Energy &amp; Water Request, please include a statutory authorization for the request:</b>	N/A				

**Project Funding History (as Cyberkinetics, Inc.)**

Fiscal Year	Amount Appropriated	Appropriations Bill	Account
2009	\$1 million	Department of Defense	Army RDT&E
2008	N/A		
2007	N/A		
2006	N/A		
<b>Federal Agency Advocate (name, office, e-mail and phone number):</b>	Kenneth Curley, MD, DoD Chief Scientist Office: TATRC US Army Medical Research and Material Command Fort Detrick, MD 21702-5012  Other Federal Advocates exist, info provided on request.		
<b>State Agency Advocate (name, office, e-mail and phone number):</b>	NA		

**One Sentence Statement of Purpose for the Project.**

Blackrock Microsystems is seeking \$2 million to undertake a collaborative program with the University of Utah to accelerate the development of revolutionary products in the field of prosthetics.

**Detailed Description the Project.**

*If you wish, you may submit a separate white paper with additional details.*

These funds will assist the development of products which are critical pieces of enabling technology that are

essential to the eventual application of a Military healthcare system to treat wounded servicemen suffering from ALS, Spinal Cord Injury, strokes or other motor diseases. Funding will further the development of the next generation of prosthetics, which will provide all individuals who have lost limbs or limb movement the ability to function at a level not presently possible.

People who suffer loss of limb or limb movement as a result of military service deserve the full benefit of Blackrock's development program. This program carries the promise of offering sophisticated limb movement beyond that which is possible today.

Further, by illuminating the function of the brain, these neurotechnologies promise new progress in diagnosing and treating a wide range of neurological and psychiatric disorders.

The goals of this research are to meet specific technological challenges for realizing neural control of external devices by people with severe neurological injuries or disorders. The proposed work will microminiaturize a portable, wireless bidirectional communication device for the eventual use in reanimating muscles using command signals coming from the brain. The project will address a critical step that requires integrating state of the art microelectronic signal processing components to an implantable platform, and in so doing make major contributions in solving the vast array of technological and patient-care related challenges.

#### **State Exactly How the FY10 Funds would be Allocated.**

The total cost of the project is \$25 million. Blackrock is requesting \$2 million to be used primarily for materials and supplies needed for the research (including electronic components for the devices and lab equipment for analysis), as well as for travel costs and salary for researchers and subcontractors at University of Utah and Brown.

This research was started by Cyberkinetics, Inc, a company Blackrock bought last year. Blackrock is a new corporation and we are requesting federal assistance to help support and supplement its private and university resources and to help ensure that this important program continues to progress without any undue delays. Potential options for other funding sources include research funds for neural engineering at the University of Utah (\$20 million total) and the \$165 million Utah USTAR fund for infrastructure (buildings and hiring of faculty and researcher teams) at the University with the purpose of accelerating state economic development and growth and accelerating biomedical device technology commercialization. These facilities and resources are available for the local industrial community.

#### **Justification for the Use of Taxpayer Funds for the Project.**

These funds will accelerate the development of products which will revolutionize the field of prosthetics. Any and all individuals who have lost limbs or limb movement will, through this technology, have the ability to function at a level not presently possible. The system will allow those who have prosthetic limbs to move them like natural limbs, at a level unavailable with current technology.

People who suffer loss of limb or limb movement as a result of military service deserve the full benefit of Blackrock's development program. This program carries the promise of offering sophisticated limb movement beyond that which is possible today.

Further, by illuminating the function of the brain, these neurotechnologies promise new progress in diagnosing and treating a wide range of neurological and psychiatric disorders.

With federal support, members of the military and Wounded Warriors, and veterans throughout the US and stationed around the world will benefit from prosthetics which move similarly to their own limbs, increasing their quality of life and morale.

In addition, 6 new jobs will be created at the University of Utah for this research program, bringing the total jobs in Utah in excess of 30.

## ADDENDUM

### Senator Robert F. Bennett Appropriation Disclosure Requirements Fiscal Year 2010

---

Under the new disclosure requirements announced at the beginning of the 111<sup>th</sup> Congress by the Senate and House Appropriations Committees, all Members of Congress are required to post on their websites each appropriations request they submit to the respective subcommittees. The information must include an explanation of the project, a justification for the request, and the requesting entity.

Senator Bennett is requiring any entity seeking federal funding to sign, date, and return this form to his office by April 6, 2009. By signing below, the requesting entity acknowledges that each Fiscal Year 2010 Appropriations Request form submitted to Senator Bennett's office, along with this addendum, will be posted on the senator's website in compliance with the new practice of the committee, and will therefore be available to the public. By signing this addendum, the requesting entity also acknowledges that the corresponding appropriations request is a priority for the city, county, council, or other organization that it represents. Each request will continue to be thoroughly reviewed by Senator Bennett's office and by the staff of the Appropriations Committee.

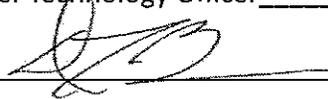
Going forward, Senator Bennett will continue to work to represent Utah's interests by ensuring Utah's priorities are adequately represented with congressionally directed spending.

Note: A signed addendum must be returned for **each appropriations request submitted** for Fiscal Year 2010.

Project Name: Optimizing Natural Language Process of Open Source Intelligence (OSINT)  
to Support Multi-source Information Fusion Systems

Head of the organization making request: Name: David L. Bean

Title: Chief Technology Officer

Signature: 

Date: 3/20/2009

## Senator Robert Bennett FY2010 Defense Authorization and Appropriation Request Form

If submitting multiple requests:	Priority #	1	of	1		Date:	04/23/09
----------------------------------	------------	---	----	---	--	-------	----------

Company/organization:		Attensity Corporation.					
Address where majority of the work is to be performed:		178 South Rio Grande Street, Suite 350					
City:	Salt Lake City			State:	UT	Zip:	84101
Corporate point of contact:		David Bean					
Phone:							
Lobbyist point of contact:		William Simmons, Dutko Worldwide					
Phone:							

Project name:		Optimizing Natural Language Processing of Open Source Intelligence (OSINT) to support Multi-Source Information Fusion Systems					
Is this a request for an appropriation, authorization, or both?		Appropriation					
Proposed funding agency:		Department of Defense					
Account:	RDTE, Army			Budget line number [from DoD exhibit O-1, P-1, or R-1]: Line#:		63772/243	
Line title:		Sensors and Signal Processing, Name: Sensor Demonstrations 1AB		Program Element number:		63772/243	
Is this project funded in the President's budget request? (Yes or No): No			If yes, amount:		\$		
Funding request:			\$ \$1,500,000.00				
Is the project in a Service Chief's Unfunded Priority or Unfunded Requirements List? (Yes or No):			No				
If yes, ranking:		Amount:		\$			

DoD or service program manager:		Alan S. Hansen			Phone:	
Office name:	Distributed Common Ground Systems Army (DCGS-A Emerging Concepts), Department of the Army			Email:		
Other DoD point of contact/advocate:				Phone:		
Office name:				Email:		

Purpose of project (limit to 250 words and be as accurate and concise as possible-- this language will be shared with the Senate Appropriations Committee. You may also submit a separate white paper with more detail on the project):

To provide the US Army with a transition-ready prototype OSINT Fusion System for more effective intelligence analysis and decision-making in asymmetric warfare. Attensity Corporation has been working to design and bring to production a prototype text analytics and extraction solution which seeks to improve the usability and accuracy of OSINT as a feed into a Multi-Source Fusion system targeted to modern-day asymmetric warfare problems.

Does the request meet an official DoD or service requirement? If so, cite official requirement documents and attach copies if available.

--

Proposed bill and/or report language requested:

Optimizing Natural Language Processing of Open Source Intelligence (OSINT) to support Multi-Source Information Fusion Systems

Please list industry, academic, and government partners:

SUNY Buffalo Center for Multi-Source Fusion

Will this request be submitted to other Senate or House offices? If so, please list:

Senator Orrin Hatch
Congressman Rob Bishop

Have, or will, committee staff be approached regarding this project? If so, please list staff member AND committee.


Has funding previously been requested for this project?	No
If yes, please fill out the following table as far as applicable	
Year and amount requested	Was funding provided? If so, amount:

Please provide a budget breakdown for the amount requested, including locations where funding will be spent:

<p>Labor: Salt Lake City, Utah – \$900K</p> <ul style="list-style-type: none"> <li>• Development</li> <li>• Research</li> <li>• Knowledge Engineering</li> <li>• Onsite Requirements Definition</li> <li>• Installation</li> <li>• Implementation</li> </ul> <p>Software: Salt Lake City, Utah - \$450K</p> <p>ODC: Salt Lake City, Utah - \$150K</p> <ul style="list-style-type: none"> <li>• Hardware</li> <li>• Project Materials</li> <li>• Consultant (Center for Multi-Source Fusion)</li> <li>• Research</li> </ul>
--

ADDENDUM

Senator Robert F. Bennett Appropriation Disclosure Requirements  
Fiscal Year 2010

---

Under the new disclosure requirements announced at the beginning of the 111<sup>th</sup> Congress by the Senate and House Appropriations Committees, all Members of Congress are required to post on their websites each appropriations request they submit to the respective subcommittees. The information must include an explanation of the project, a justification for the request, and the requesting entity.

Senator Bennett is requiring any entity seeking federal funding to sign, date, and return this form to his office by April 6, 2009. By signing below, the requesting entity acknowledges that each Fiscal Year 2010 Appropriations Request form submitted to Senator Bennett's office, along with this addendum, will be posted on the senator's website in compliance with the new practice of the committee, and will therefore be available to the public. By signing this addendum, the requesting entity also acknowledges that the corresponding appropriations request is a priority for the city, county, council, or other organization that it represents. Each request will continue to be thoroughly reviewed by Senator Bennett's office and by the staff of the Appropriations Committee.

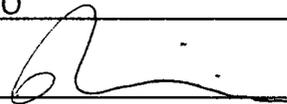
Going forward, Senator Bennett will continue to work to represent Utah's interests by ensuring Utah's priorities are adequately represented with congressionally directed spending.

Note: A signed addendum must be returned for **each appropriations request submitted for Fiscal Year 2010.**

Project Name: Personalized Health Screen for FilmArray

Head of the organization making request: Name: Kirk M. Ririe

Title: CEO

Signature: 

Date: March 24, 2009

## Senator Robert Bennett FY2010 Defense Authorization and Appropriation Request Form

If submitting multiple requests:	Priority #	1	of	2		Date:	3/2/09
----------------------------------	------------	---	----	---	--	-------	--------

Company/organization:		Idaho Technology					
Address where majority of the work is to be performed:		390 Wakara Way					
City:	Salt Lake City			State:	Utah	Zip:	84108
Corporate point of contact:		Philip J. Maggi					
Phone:							
Lobbyist point of contact:							
Phone:					Email:		

Project name:		Personalized Health Screen for FilmArray					
Is this a request for an appropriation, authorization, or both?		Appropriation					
Proposed funding agency:		Air Force – Epidemiological Office of Surveillance					
Account:	DHP RDT&E			Budget line number [from DoD exhibit O-1, P-1, or R-1]:		R-1 Line, Item 5	
Line title:		Medical Development		Program Element number:		0603115HP	
Is this project funded in the President's budget request? (Yes or No): No				No	If yes, amount:	\$	
Funding request: \$1,500,000							
Is the project in a Service Chief's Unfunded Priority or Unfunded Requirements List? (Yes or No):				No			
If yes, ranking:		Amount:		\$			

DoD or service program manager:		Lt. Col. Daniel Wattendorf, Deputy Chief, Medical Innovations			Phone:		
Office name:	Office of the Air Force Surgeon General			Email:			
Other DoD point of contact/advocate:		Pamela Winn			Phone:		
Office name:	Office of the Air Force Surgeon General			Email:			

Purpose of project (limit to 250 words) and be as accurate and concise as possible– this language will be shared with the Senate Appropriations Committee. You may also submit a separate white paper with more detail on the project):

An integrated one-hour system for automated detection, quantification and typing of important blood viruses will be developed. Idaho Technology's FilmArray platform will process whole blood samples, PCR amplify viral nucleic acids, provide viral load quantification, and guide therapy by viral typing. HIV-1, HCV, and HBV are the primary targets, although qualitative assays for CMV, WNV, HTLV I and HTLV II will be included. This project will advance USAF diagnostics and build on the Epidemiological Office of Surveillance forward testing capabilities. The development of this wellness panel will give the Air Force and other services the ability to protect service members from naturally occurring diseases rapidly and far forward.

Does the request meet an official DoD or service requirement? If so, cite official requirement documents and attach copies if available.

--

Proposed bill and/or report language requested:

An integrated one-hour system for automated detection, quantification and typing of important blood viruses.
--

Please list industry, academic, and government partners:

U.S. Army Medical Research Institute of Chemical Defense
Air Force Advanced Diagnostic Laboratory, Lackland Air Force Base

Will this request be submitted to other Senate or House offices? If so, please list:

Senator Hatch

Have, or will, committee staff be approached regarding this project? If so, please list staff member AND committee.

HASC
SASC

Has funding previously been requested for this project?	No
If yes, please fill out the following table as far as applicable	
Year and amount requested	Was funding provided? If so, amount:

Please provide a budget breakdown for the amount requested, including locations where funding will be spent:

USAF Advanced Diagnostic Laboratory - \$200,000 – Clinical Trials Travis AFB - \$200,000 – Clinical Trials Keesler AFB - \$200,000 – Clinical Trials USAMRIID, Ft. Dietrick - \$200,000 – Clinical Trials Wright Patterson AFB - \$200,000 – Clinical Trials FDA Trial Supplies - \$300,00 FDA 510 (k) preparation and submission - \$200,000
---

## ADDENDUM

### Senator Robert F. Bennett Appropriation Disclosure Requirements Fiscal Year 2010

---

Under the new disclosure requirements announced at the beginning of the 111<sup>th</sup> Congress by the Senate and House Appropriations Committees, all Members of Congress are required to post on their websites each appropriations request they submit to the respective subcommittees. The information must include an explanation of the project, a justification for the request, and the requesting entity.

Senator Bennett is requiring any entity seeking federal funding to sign, date, and return this form to his office by April 6, 2009. By signing below, the requesting entity acknowledges that each Fiscal Year 2010 Appropriations Request form submitted to Senator Bennett's office, along with this addendum, will be posted on the senator's website in compliance with the new practice of the committee, and will therefore be available to the public. By signing this addendum, the requesting entity also acknowledges that the corresponding appropriations request is a priority for the city, county, council, or other organization that it represents. Each request will continue to be thoroughly reviewed by Senator Bennett's office and by the staff of the Appropriations Committee.

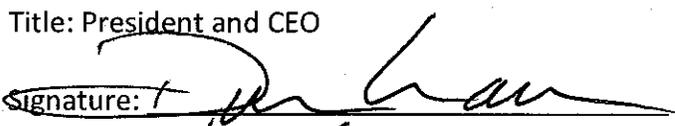
Going forward, Senator Bennett will continue to work to represent Utah's interests by ensuring Utah's priorities are adequately represented with congressionally directed spending.

Note: A signed addendum must be returned for **each appropriations request submitted** for Fiscal Year 2010.

Project Name: **"Provide \$5 million PKD research line item in FY 2010 Defense appropriations report for eligibility to compete for grant funding under the "Congressionally Directed Medical Research Program" (CDMRP)"**

Head of the organization making request: Name: Dan Larson

Title: President and CEO

Signature: 

Date: 3/20/09

## Senator Robert Bennett FY2010 Defense Authorization and Appropriation Request Form

If submitting multiple requests:	Priority #	2	of	2	Date:	2-27-09
----------------------------------	------------	---	----	---	-------	---------

Company/organization:		The PKD Foundation; 9221 Ward Parkway, Suite 400, Kansas City, Missouri, 64114					
Address where majority of the work is to be performed:		CDMRP selects location; could be in UT					
City:		State:		Zip:			
Corporate point of contact:		Dan Larson, President and CEO					
Phone:							
Lobbyist point of contact:		Russ Mueller					
Phone:							

Project name:		Provide \$5 million PKD research line item in FY 2010 Defense appropriations report for eligibility to compete for grant funding under the "Congressionally Directed Medical Research Program" (CDMRP)					
Is this a request for an appropriation, authorization, or both?		Appropriation					
Proposed funding agency:		US Army Medical Research and Materiel Command					
Account:	DPRMRP	Budget line number [from DoD exhibit O-1, P-1, or R-1]:					
Line title:		Program Element number:					
Is this project funded in the President's budget request? (Yes or No):		no	If yes, amount:	\$			
Funding request:		<b>\$5,000,000</b>					
Is the project in a Service Chief's Unfunded Priority or Unfunded Requirements List? (Yes or No):		no					
If yes, ranking:		Amount:		\$			

DoD or service program manager:		Captain Melissa Kaime, Director of CDMRP			Phone:	
Office name:	US Army Medical Research and Materiel Command			Email:	]	
Other DoD point of contact/advocate:		Captain (USMC) Ret. Chas Henry			Phone:	
Office name:	Now at Naval Institute			Email:		

Purpose of project (limit to 250 words and be as accurate and concise as possible— this language will be shared with the Senate Appropriations Committee. You may also submit a separate white paper with more detail on the project):

The request is that a peer-reviewed PKD research program be established under the Congressionally Directed Medical Research Program (CDMRP) beginning in FY 2010 at an initial multi-year funding level of \$5 million. PKD is the most common life-threatening genetic disease and affects over 600,000 Americans and one in 500 of all active and retired military personnel (and including DOD civilians and VA eligible individuals, about 17,000 in total). PKD is of significant military relevance because--diagnoses are often made at an age after individuals are selected for military duty, symptoms generally occur at age 30 or later and the average age of the onset of end stage renal disease (ESRD) is age 50--thus, leading to the medical discharge of highly experienced military personnel. The costs of medical care under military and VA health systems are substantial and probably understated due to incomplete diagnosis. The VA Health system estimates that "Veterans with ESRD require chronic dialysis or kidney transplantation to replace lost kidney function, requiring healthcare resources costing over \$31,000 per patient annually." Potential research and clinical trials conducted under the CDMRP may lead to a treatment that will delay the progression of PKD long enough so that patients will not experience renal failure or medical symptoms requiring a medical discharge from their services, thus saving billions of military, VA, Medicare and Medicaid costs for dialysis, kidney transplants, immunosuppressant drugs and related therapies; and free-up several thousand spots on the kidney transplant waiting list.

Does the request meet an official DoD or service requirement? If so, cite official requirement documents and attach copies if available.

Unknown; Potential PKD research and clinical trials conducted under the CDMRP may lead to a treatment that will delay the progression of PKD long enough so that patients will not experience renal failure or medical symptoms requiring a medical discharge from their services, thus saving lives, billions of federal health dollars and military training costs. About 17,000 military and civilian DoD personnel and families can benefit from a successful clinical trial and treatment. About one in 500 citizens in Utah who have PKD could benefit.

Proposed bill and/or report language requested:

The request is that "polycystic kidney disease" research be funded at an initial multi-year level of \$5 million in the FY 2010 Defense appropriations bill under a new Peer-Reviewed line in the "Congressionally Directed Medical Research Program."

Please list industry, academic, and government partners:

none

Will this request be submitted to other Senate or House offices? If so, please list:

Yes


Have, or will, committee staff be approached regarding this project? If so, please list staff member AND committee.

Nicole Diresta, Defense Subcommittee, emailed.

Has funding previously been requested for this project?	No; first time
If yes, please fill out the following table as far as applicable	
Year and amount requested	Was funding provided? If so, amount:

Please provide a budget breakdown for the amount requested, including locations where funding will be spent:

Not specified; CDMRP selects grantee which could be in UT; request is for \$5 million multi-year project in direct and indirect costs.
--



## Senator Robert Bennett FY2010 Defense Authorization and Appropriation Request Form

If submitting multiple requests:	Priority #	1	of	1
----------------------------------	------------	---	----	---

Date:	March 5, 2009
-------	---------------

Company/organization:		MicroLin, Inc.			
Address where majority of the work is to be performed:		2425 South 900 West			
City:	Salt Lake City	State:	UT	Zip:	84119
Corporate point of contact:	John Gordon				
Phone:					
Lobbyist point of contact:	Larry Grossman				
Phone:					

Project name:		Portable Oxygen Delivery Patch for Battlefield Medical Use			
Is this a request for an appropriation, authorization, or both?		Appropriation			
Proposed funding agency:		US Navy			
Account:	RDT&E	Budget line number [from DoD exhibit O-1, P-1, or R-1]:	22		
Line title:	Warfighter Protection Advanced Technology	Program Element number:	0603729N		
Is this project funded in the President's budget request? (Yes or No):	No	If yes, amount:	\$		
Funding request:	\$ 3,000,000				
Is the project in a Service Chief's Unfunded Priority or Unfunded Requirements List? (Yes or No):	No				
If yes, ranking:		Amount:	\$		

DoD or service program manager:		Dr. Michael Given, Program Officer – Combat Casualty Care		Phone:	
Office name:	Office of Naval Research		Email:		
Other DoD point of contact/advocate:			Phone:		
Office name:			Email:		

Purpose of project (limit to 250 words and be as accurate and concise as possible– this language will be shared with the Senate Appropriations Committee. You may also submit a separate white paper with more detail on the project):

Injuries arising on the battlefield may result in loss of airway to the lungs. While tracheal intubation and subsequent ventilation can be utilized to deliver sufficient oxygen to the victim meeting metabolic requirements, this is dangerous on the battlefield and incorrect intubation can result in complications including death. Some injuries to the face may preclude normal intubation due to blocked access to the airway. To avoid further attack on the patient or the medic, a victim preferably will be evacuated to a safe location before intubation is performed but the technology and science to deliver oxygen directly to the patient's tissues and circulatory system without the respiratory system does not exist. MicroLin, in partnership with the Office of Naval Research's Combat Casualty Care program, is developing a portable oxygen delivery patch to provide ample oxygen to sustain a life for 30 minutes, small enough to carry in the battlefield for emergencies. With the development of a Portable Oxygen Delivery Patch, oxygen can be generated on demand with lightweight portable patches in quantities sufficient to sustain metabolic requirements. The devices will weigh

approximately 200g and provide ample oxygen to sustain a life for 30 minutes, small enough to carry in the battlefield for emergencies. Additional patches can be used to further extend oxygen delivery. To be useful, the oxygen must be effectively transferred through the skin, absorbed, then transferred to the body through the circulatory system.

Does the request meet an official DoD or service requirement? If so, cite official requirement documents and attach copies if available.

N/A

Proposed bill and/or report language requested:

N/A

Please list industry, academic, and government partners:

N/A

Will this request be submitted to other Senate or House offices? If so, please list:

Sen. Hatch

Rep. Matheson

Have, or will, committee staff be approached regarding this project? If so, please list staff member AND committee.

TBD

Has funding previously been requested for this project?	No
If yes, please fill out the following table as far as applicable	
Year and amount requested	Was funding provided? If so, amount:

Please provide a budget breakdown for the amount requested, including locations where funding will be spent:

TBD based on funds provided and negotiated with ONR

**ADDENDUM**

**Senator Robert F. Bennett Appropriation Disclosure Requirements  
Fiscal Year 2010**

---

Under the new disclosure requirements announced at the beginning of the 111<sup>th</sup> Congress by the Senate and House Appropriations Committees, all Members of Congress are required to post on their websites each appropriations request they submit to the respective subcommittees. The information must include an explanation of the project, a justification for the request, and the requesting entity.

Senator Bennett is requiring any entity seeking federal funding to sign, date, and return this form to his office by April 6, 2009. By signing below, the requesting entity acknowledges that each Fiscal Year 2010 Appropriations Request form submitted to Senator Bennett's office, along with this addendum, will be posted on the senator's website in compliance with the new practice of the committee, and will therefore be available to the public. By signing this addendum, the requesting entity also acknowledges that the corresponding appropriations request is a priority for the city, county, council, or other organization that it represents. Each request will continue to be thoroughly reviewed by Senator Bennett's office and by the staff of the Appropriations Committee.

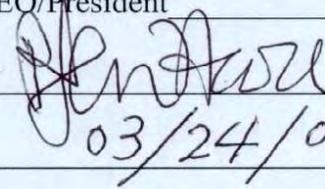
Going forward, Senator Bennett will continue to work to represent Utah's interests by ensuring Utah's priorities are adequately represented with congressionally directed spending.

Note: A signed addendum must be returned for **each appropriations request submitted** for Fiscal Year 2010.

Project Name: Precision Strike Munitions Advancement with Integrated Millimeter Wave Power Sources to Satisfy Army Strategic Goals

Head of the organization making request: Name:     Jennifer Hwu    

Title:     CEO/President    

Signature: 

Date:     03/24/09

## Senator Robert Bennett FY2010 Defense Authorization and Appropriation Request Form

If submitting multiple requests:	Priority #	1	of	1		Date:	2/3/2009
----------------------------------	------------	---	----	---	--	-------	----------

Company/organization:		InnoSys, Inc.					
Address where majority of the work is to be performed:		2900 South Main Street					
City:	Salt Lake City			State:	UT	Zip:	84115
Corporate point of contact:	Jennifer Hwu						
Phone:							
Lobbyist point of contact:	Thomas Goldberg						
Phone:							

Project name:		Precision Strike Munitions Advancement with Integrated Millimeter Wave Power Sources to Satisfy Army Strategic Goals					
Is this a request for an appropriation, authorization, or both?		Both					
Proposed funding agency:		Army					
Account:	RDT&E			Budget line number [from DoD exhibit O-1, P-1, or R-1]:	179		
Line title:	Industrial Preparedness Activities			Program Element number:	0708045A		
Is this project funded in the President's budget request? (Yes or No):No				If yes, amount:	\$ N/A		
Funding request:				<b>\$ 5,000,000</b>			
Is the project in a Service Chief's Unfunded Priority or Unfunded Requirements List? (Yes or No):				No			
If yes, ranking:	NA		Amount:	NA			

DoD or service program manager:		Mr. Pete Black			Phone:	
Office name:	RDECOM Aviation and Missile Space			Email:		
Other DoD point of contact/advocate:		NA			Phone:	NA
Office name:	NA			Email:	NA	

Purpose of project (limit to 250 words and be as accurate and concise as possible— this language will be shared with the Senate Appropriations Committee. You may also submit a separate white paper with more detail on the project):

This project involves millimeter wave (MMW) amplification to enable truly autonomous operations of precision strike weaponry. InnoSys Solid State Vacuum Device (SSVD™) technology not only provides the required power at MMW, but is also compact, lightweight, and can be easily manufactured in volume at relatively low cost. This will finally enable stand-off range launch of precision strike weapons that today still require host platform support through terminal operational phases.

Does the request meet an official DoD or service requirement? If so, cite official requirement documents and attach copies if available.

N/A

Proposed bill and/or report language requested:

*“The Committee recognizes the urgent need to produce more capable mission critical autonomous precision strike weapons. Therefore, the Committee is providing an increase of \$5 million in the FY '10 Defense Appropriations Act in Army Line 179, PE 0708045A, End Item Industrial Preparedness Activities to ensure the rapid development and deployment of a high voltage SSVD<sup>TM</sup> -MMIC and power source using liquid crystal polymer electronic interconnect and packages. The Committee directs the Secretary to expedite research, development and demonstration in this field, and to issue contracts for this purpose as soon as practicable.”*

Please list industry, academic, and government partners:

QinetiQ North America, Waltham, MA.

Will this request be submitted to other Senate or House offices? If so, please list:

Senator. Hatch  
 Rep. Bishop  
 Rep. Matheson

Have, or will, committee staff be approached regarding this project? If so, please list staff member AND committee.

N/A

Has funding previously been requested for this project?	No
If yes, please fill out the following table as far as applicable	
Year and amount requested	Was funding provided? If so, amount:
NA	NA

Please provide a budget breakdown for the amount requested, including locations where funding will be spent:

***Itemized project budget along with the total project cost***

The table below shows the planned program tasks with budget for all program years. Reduced funding for year 1, 2 or 3 will not prohibit the execution of the program, but will involve adjustment to planned scope of work.

<b>Item</b>	<b>Year 1 cost</b>	<b>Year 2 cost</b>	<b>Year 3 cost</b>
SSVD development devices, materials & labor	750,000		
SSVD prototype & pilot devices, materials & labor		750,000	
LCP development packages, materials & labor	750,000		
LCP final packages for qualifications, materials & labor		500,000	
Qualification testing & failure analysis, contract testing services		250,000	650,000
Missile Seeker integration prototype, materials & labor	250,000	100,000	100,000
Missile Seeker prototype test & evaluation, contract services	250,000	250,000	100,000
Design and program reviews with Army RDECOM		150,000	150,000
<b>Total costs</b>	<b>2,000,000</b>	<b>2,000,000</b>	<b>1,000,000</b>

***Current funding sources and all planned funding sources for all years, and the amounts provided by those sources,***

There is no current or pending funding for Precision Strike Munitions with Integrated Millimeter Wave Power Sources to Satisfy Army Strategic Goals. Substantial past support has brought the SSVD and LCP technologies to a readiness for insertion into guided missile applications.

- InnoSys has invested 5.7 million in facilities and equipment. The investments includes \$ 1,000,000 in clean room, \$ 500,000 in assembly line, \$ 1,200,000 in testing and processing, and \$ 2,000,000 a second production line.
- QinetiQ North America has invested approximately \$1,000,000 in facilities and equipment for a packaging and micro-fabrication prototype and pilot production facility.

- QinetiQ North America has had substantial military program support in the past for the development and maturation of LCP packaging technology, summarized in the table below:

***Past program support to develop and mature LCP packaging***

<b>Funding agency</b>	<b>Funded amount</b>	<b>Contract period of performance</b>
Micro-fabrication and 3D packaging techniques for liquid crystal polymers, Army	\$972,000	2003 to 2008
Development of a low cost electro-optic packaging system for aerospace environments, Penn State NAVAIR	\$467,000	November 2004 to December 31, 2006
A highly integrated, low-cost, near-hermetic packaging and interconnect technology for electronic and optoelectronic subsystems, Army	\$4,200,000	Sept 2005 to March 2009

***Plus any additional materials necessary to explain the project***

**ADDENDUM**

**Senator Robert F. Bennett Appropriation Disclosure Requirements  
Fiscal Year 2010**

---

Under the new disclosure requirements announced at the beginning of the 111<sup>th</sup> Congress by the Senate and House Appropriations Committees, all Members of Congress are required to post on their websites each appropriations request they submit to the respective subcommittees. The information must include an explanation of the project, a justification for the request, and the requesting entity.

Senator Bennett is requiring any entity seeking federal funding to sign, date, and return this form to his office by April 6, 2009. By signing below, the requesting entity acknowledges that each Fiscal Year 2010 Appropriations Request form submitted to Senator Bennett's office, along with this addendum, will be posted on the senator's website in compliance with the new practice of the committee, and will therefore be available to the public. By signing this addendum, the requesting entity also acknowledges that the corresponding appropriations request is a priority for the city, county, council, or other organization that it represents. Each request will continue to be thoroughly reviewed by Senator Bennett's office and by the staff of the Appropriations Committee.

Going forward, Senator Bennett will continue to work to represent Utah's interests by ensuring Utah's priorities are adequately represented with congressionally directed spending.

Note: A signed addendum must be returned for **each appropriations request submitted** for Fiscal Year 2010.

Project Name: Research Activities for Process Implementation and Development (RAPID)

Head of the organization making request: Name: \_\_\_\_\_ Teri Sgammato \_\_\_\_\_

Title: \_\_\_\_\_ ES3 CEO \_\_\_\_\_

Signature: \_\_\_\_\_  \_\_\_\_\_

Date: \_\_\_\_\_ 6 April 2009 \_\_\_\_\_

**Senator Robert Bennett FY2010  
Defense Authorization and Appropriation Request Form**

If submitting multiple requests:	Priority #	1	of	1
----------------------------------	------------	---	----	---

Date:	3/18/2009
-------	-----------

Company/organization:		ES3			
Address where majority of the work is to be performed:		1669 East 1400 South, #100			
City:	Clearfield	State:	Utah	Zip:	84015
Corporate point of contact:		Teri Sgammato			
Phone:					
Lobbyist point of contact:		Spencer Stokes			
Phone:					

Project name:		RAPID (Research Activities for Process Implementation and Development)			
Is this a request for an appropriation, authorization, or both?		Yes			
Proposed funding agency:		Navy			
Account:	Navy RDT&E	Budget line number [from DoD exhibit O-1, P-1, or R-1]:	18		
Line title:	Warfighter Sustainment Advanced Technology	Program Element number:	0603236N		
Is this project funded in the President's budget request? (Yes or No):	NO	If yes, amount:	\$		
Funding request:	\$ 2M				
Is the project in a Service Chief's Unfunded Priority or Unfunded Requirements List? (Yes or No):	NO				
If yes, ranking:		Amount:	\$		

DoD or service program manager:		Robert ("Yogi") Kestler		Phone:	
Office name:	Science & Tech Lead (AIR-4.OT) MCAS Cherry Point, NC	Email:			
Other DoD point of contact/advocate:		Brian Riso		Phone:	
Office name:	Vertical Lift Center of Excellence (FRC-East)/ MCAS Cherry Point, NC	Email:			

Purpose of project (limit to 250 words) and be as accurate and concise as possible-- this language will be shared with the Senate Appropriations Committee. You may also submit a separate white paper with more detail on the project):

The In-Service Support Center (ISSC) at MACS Cherry Point includes the Materials and Engineering Division for all US Navy vertical lift aircraft. ISSC has been participating in the feasibility studies for several promising advanced coatings and stripping techniques. Under the RAPID program, ISSC will focus on selecting candidate parts and implementing advanced coating techniques such as cold spray metal deposition, as well as advanced stripping techniques such as forced pulse waterjet stripping for those selected parts. RAPID will address actual implementation of the technology for depot repair of aircraft. The RAPID program can also assist the Fleet Readiness Center (FRC) East in securing the overhaul workload for the Joint Strike Fighter F-35. (See attached white paper also.)

Does the request meet an official DoD or service requirement? If so, cite official requirement documents and attach copies if available.

Yes. The Vertical Lift Center of Excellence (VLCOE) at the Fleet Readiness Center (FRC-East) at MCAS Cherry Point has technical requirements for advanced coating/plating and stripping techniques as provided in the attached document.

Proposed bill and/or report language requested:

Add \$2M in RDT&E, Line 18 PE 0603236N Warfighter Sustainment Advanced Technology, specifically for MACS Cherry Point "RAPID" program.

Please list industry, academic, and government partners:

ES3
MACS Cherry Point

Will this request be submitted to other Senate or House offices? If so, please list:

Senator Burr
Senator Hagan
Representative Butterfield
Senator Hatch

Have, or will, committee staff be approached regarding this project? If so, please list staff member AND committee.

No

Has funding previously been requested for this project?	Yes
If yes, please fill out the following table as far as applicable	
Year and amount requested	Was funding provided? If so, amount:
2009 \$2M Requested	No.

Please provide a budget breakdown for the amount requested, including locations where funding will be spent:

Labor Cost: 50% Cherry Point, NC; 50% Clearfield, UT Component Identification & TO Updates = \$147,000 Technique Sheet Development = \$168,640 Thermal Spray Application Parameter Development = \$439,900 Pulse Water Strip Parameter Development = \$362,400 Tools & Fixture Development = \$300,045 Misc. Engineering Support = \$157,100 Monthly Reporting = \$28,378
--

Equipment Cost:

Mechanical Test & Lab Equipment = \$400,000

## ADDENDUM

### Senator Robert F. Bennett Appropriation Disclosure Requirements Fiscal Year 2010

---

Under the new disclosure requirements announced at the beginning of the 111<sup>th</sup> Congress by the Senate and House Appropriations Committees, all Members of Congress are required to post on their websites each appropriations request they submit to the respective subcommittees. The information must include an explanation of the project, a justification for the request, and the requesting entity.

Senator Bennett is requiring any entity seeking federal funding to sign, date, and return this form to his office by April 6, 2009. By signing below, the requesting entity acknowledges that each Fiscal Year 2010 Appropriations Request form submitted to Senator Bennett's office, along with this addendum, will be posted on the senator's website in compliance with the new practice of the committee, and will therefore be available to the public. By signing this addendum, the requesting entity also acknowledges that the corresponding appropriations request is a priority for the city, county, council, or other organization that it represents. Each request will continue to be thoroughly reviewed by Senator Bennett's office and by the staff of the Appropriations Committee.

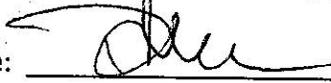
Going forward, Senator Bennett will continue to work to represent Utah's interests by ensuring Utah's priorities are adequately represented with congressionally directed spending.

Note: A signed addendum must be returned for **each appropriations request submitted** for Fiscal Year 2010.

Project Name: Rapid Burn Wound Therapies

Head of the organization making request: Name: Donald J. Brown

Title: President & Chief Executive Officer

Signature: 

Date: March 27, 2009

## Senator Robert Bennett FY2010 Defense Authorization and Appropriation Request Form

If submitting multiple requests:	Priority #	1	of	1		Date:	2/26/09
----------------------------------	------------	---	----	---	--	-------	---------

Company/organization:		Arteriocyte, Inc.					
Address where majority of the work is to be performed:		6440 South Wasatch Blvd. Suite 105					
City:	Salt Lake City	State:	UT	Zip:	84121-3511		
Corporate point of contact:	Donald J. Brown						
Phone:							
Lobbyist point of contact:	Liz Powell, G2G consulting, llc						
Phone:							

Project name:		Rapid Burn Wound Therapies					
Is this a request for an appropriation, authorization, or both?		Both					
Proposed funding agency:		Department of Defense					
Account:	Army, RDTE	Budget line number [from DoD exhibit O-1, P-1, or R-1]:			30		
Line title:	Advanced Technology Development, Medical Advanced Technology	Program Element number:			0603002A		
Is this project funded in the President's budget request? (Yes or No): No				If yes, amount:	\$ --		
Funding request:				\$ 2,000,000			
Is the project in a Service Chief's Unfunded Priority or Unfunded Requirements List? (Yes or No):				No			
If yes, ranking:		Amount:		\$			

DoD or service program manager:		Thomas J. Walters, PhD, Research Physiologist			Phone:	
Office name:	United States Army Institute of Surgical Research			Email:		
Other DoD point of contact/advocate:				Phone:		
Office name:				Email:		

Purpose of project (limit to 250 words and be as accurate and concise as possible– this language will be shared with the Senate Appropriations Committee. You may also submit a separate white paper with more detail on the project):

This project will develop an easily deployable cellular therapy for burn patients using their own blood and bone marrow with Arteriocyte's Magellan technology that can be sprayed directly onto serious burns, used in conjunction with compression dressings, or can facilitate engraftment and healing of skin grafts. It will develop and test wound-healing cellular treatments that address the unique requirements of burn victims, based on its two primary technologies – platelet rich plasma (PRP) therapy, and STEM-PREP therapy.

PRP is produced from a small volume of the patient's own blood, and delivers high concentrations of platelets, growth factors, and blood-borne immune and stem cells to the wound that stimulate the natural healing process. STEM-PREP is produced similarly from bone marrow and whole blood, and delivers a "cocktail" of stem cells that rapidly form new blood vessels and rebuild damaged tissue. Each of these systems can be readily

coupled with antibiotic agents to further reduce the rate of infection. Arterioocyte will adapt PRP and STEM-PREP production and delivery systems to treat severe burn wounds with forward medical personnel and major trauma centers worldwide.

In today's military deployments, advanced medical support requirements for military personnel in remote areas are increasingly difficult. The Magellan system can be readily deployed to existing medical facilities with minimal training and infrastructure requirements. This system will ultimately provide enhanced burn wound care to active duty personnel deployed worldwide, greatly improving long term recovery and reducing infection rates while significantly reducing cost of care.

Does the request meet an official DoD or service requirement? If so, cite official requirement documents and attach copies if available.

No.

Proposed bill and/or report language requested:

Rapid Burn Wound Therapies - \$2,000,000

Please list industry, academic, and government partners:

DW Healthcare Partners

Comerica

Dr. Amit Batel, University of Utah

Dr. Linda Kelly, Stem Cell Processing Center

Dr. Jeff Saffle, University of Utah Burn Center

Dr. Thomas J. Walters, United States Army Institute of Surgical Research

Will this request be submitted to other Senate or House offices? If so, please list:

Senator Orrin Hatch

Congressman Jim Matheson

Have, or will, committee staff be approached regarding this project? If so, please list staff member AND committee.

No

Has funding previously been requested for this project?

No

If yes, please fill out the following table as far as applicable

Year and amount requested	Was funding provided? If so, amount:

--	--

Please provide a budget breakdown for the amount requested, including locations where funding will be spent:

PRP and STEM-PREP therapies will be optimized for three different delivery systems:

- i) to be sprayed directly onto burn wounds while delivering skin-forming epithelial cells,
- ii) combined with dressings for burn wounds, or
- iii) to be used to improve the outcomes of skin graft.

Each delivery mode will be optimized with co-delivery of an antibiotic such as bacitracin, vancomycin, or cefazolin. Arterioocyte will work closely with the United States Army Institute for Surgical Research and the Armed Forces Institute of Regenerative Medicine, and the University of Utah Burn Center to execute a 30 patient (one 10 patient pilot study per delivery mode) Phase I safety and feasibility trial for active duty personnel suffering from severe burns. This project will lead to broader Phase II efficacy and dose-escalation trials, anticipated for FY11. With this development will come job creation in Utah.

Total Project Budget:	
System Optimization	\$ 400,000
Spray Application with Epithelial Cell co-Delivery	\$ 635,000
Compression Dressing Application	\$ 525,000
Skin Graft Enhancement	\$1,450,000
<b>Total Project Cost</b>	<b>\$3,000,000</b>

## ADDENDUM

### Senator Robert F. Bennett Appropriation Disclosure Requirements Fiscal Year 2010

---

Under the new disclosure requirements announced at the beginning of the 111<sup>th</sup> Congress by the Senate and House Appropriations Committees, all Members of Congress are required to post on their websites each appropriations request they submit to the respective subcommittees. The information must include an explanation of the project, a justification for the request, and the requesting entity.

Senator Bennett is requiring any entity seeking federal funding to sign, date, and return this form to his office by April 6, 2009. By signing below, the requesting entity acknowledges that each Fiscal Year 2010 Appropriations Request form submitted to Senator Bennett's office, along with this addendum, will be posted on the senator's website in compliance with the new practice of the committee, and will therefore be available to the public. By signing this addendum, the requesting entity also acknowledges that the corresponding appropriations request is a priority for the city, county, council, or other organization that it represents. Each request will continue to be thoroughly reviewed by Senator Bennett's office and by the staff of the Appropriations Committee.

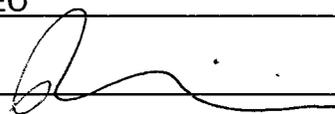
Going forward, Senator Bennett will continue to work to represent Utah's interests by ensuring Utah's priorities are adequately represented with congressionally directed spending.

Note: A signed addendum must be returned for **each appropriations request submitted** for Fiscal Year 2010.

Project Name: Real-Time PCR Assays for naturally occurring Infectious Diseases leveraging the Joint Biological Agent Identification and Diagnostic System

Head of the organization making request: Name: Kirk M. Ririe

Title: CEO

Signature: 

Date: March 24, 2009

## Senator Robert Bennett FY2010 Defense Authorization and Appropriation Request Form

If submitting multiple requests:	Priority #	2	of	2	Date:	3/2/09
----------------------------------	------------	---	----	---	-------	--------

Company/organization:		Idaho Technology					
Address where majority of the work is to be performed:		390 Wakara Way					
City:	Salt Lake City			State:	Utah	Zip:	84108
Corporate point of contact:		Philip J. Maggi					
Phone:							
Lobbyist point of contact:							
Phone:					Email:		

Project name:		Real-Time PCR Assays for naturally occurring Infectious Diseases leveraging the Joint Biological Agent Identification and Diagnostic System					
Is this a request for an appropriation, authorization, or both?		Appropriation					
Proposed funding agency:		Army					
Account:	RDT&E			Budget line number [from DoD exhibit O-1, P-1, or R-1]:		R-1	
Line title:		Medical Advanced Technology		Program Element number:		0603002A	
Is this project funded in the President's budget request? (Yes or No): No				No	If yes, amount:	\$	
Funding request: \$750,000							
Is the project in a Service Chief's Unfunded Priority or Unfunded Requirements List? (Yes or No):				No			
If yes, ranking:		Amount:		\$			

DoD or service program manager:		Gregory M. Beavers, CAPT, MSC, USN			Phone:	
Office name:	U.S. Army Medical Research & Material Command			Email:		
Other DoD point of contact/advocate:		Dr. Shuenn-Jue Wu			Phone:	
Office name:	Naval Medical Research Center			Email:		

Purpose of project (limit to 250 words) and be as accurate and concise as possible— this language will be shared with the Senate Appropriations Committee. You may also submit a separate white paper with more detail on the project):

Infectious diseases such as dengue, malaria, scrub typhus and rickettsioses pose a significant threat to our deployed military forces. Historically, infectious diseases account for more than 70% of casualties during war. Prompt, reliable and field deployable diagnostic tests are crucial in the battle against infectious diseases. A critical aspect of any diagnostic test is FDA clearance: once the FDA clears a diagnostic test, clinicians can immediately interpret test results to obtain a definitive disease diagnosis and can make treatment decisions without delay. The purpose of this project is to produce the laboratory validation data required for the submission of a 510(k) application to the FDA to clear a real-time PCR test for the diagnosis of scrub typhus (*Orientia tsutsugamushi*) and rickettsioses (*Rickettsia spp.*) on the JBAIDS (Joint Biological Agent Identification and Detection System) platform.

Does the request meet an official DoD or service requirement? If so, cite official requirement documents and attach copies if available.

JBAIDS is the program of record for field deployable real-time PCR diagnostic assays. DoD requirements are to use JBAIDS platform for all FDA cleared molecular diagnostic tests. The requirement for this diagnostic test is also outlined in the Capability Development Document for Polymerase chain reaction based diagnostic assays for endemic infectious diseases.

Proposed bill and/or report language requested:

Real-Time PCR Assays for naturally occurring Infectious Diseases leveraging the Joint Biological Agent Identification and Diagnostic System

Please list industry, academic, and government partners:

Walter Reed Army Medical Center

Will this request be submitted to other Senate or House offices? If so, please list:

Senator Hatch

Have, or will, committee staff be approached regarding this project? If so, please list staff member AND committee.

HASC  
SASC

Has funding previously been requested for this project?	No
If yes, please fill out the following table as far as applicable	
Year and amount requested	Was funding provided? If so, amount:

Please provide a budget breakdown for the amount requested, including locations where funding will be spent:

Walter Reed Army Institute of Research  
2 – JBAIDS Systems \$100,000  
Reagent test kits and pouches \$200,000  
FDA laboratory validation data review \$150,000  
System software modification \$50,000  
510 (k) preparation and submission \$250,000



ADDENDUM

Senator Robert F. Bennett Appropriation Disclosure Requirements  
Fiscal Year 2010

---

Under the new disclosure requirements announced at the beginning of the 111<sup>th</sup> Congress by the Senate and House Appropriations Committees, all Members of Congress are required to post on their websites each appropriations request they submit to the respective subcommittees. The information must include an explanation of the project, a justification for the request, and the requesting entity.

Senator Bennett is requiring any entity seeking federal funding to sign, date, and return this form to his office by April 6, 2009. By signing below, the requesting entity acknowledges that each Fiscal Year 2010 Appropriations Request form submitted to Senator Bennett's office, along with this addendum, will be posted on the senator's website in compliance with the new practice of the committee, and will therefore be available to the public. By signing this addendum, the requesting entity also acknowledges that the corresponding appropriations request is a priority for the city, county, council, or other organization that it represents. Each request will continue to be thoroughly reviewed by Senator Bennett's office and by the staff of the Appropriations Committee.

Going forward, Senator Bennett will continue to work to represent Utah's interests by ensuring Utah's priorities are adequately represented with congressionally directed spending.

Note: A signed addendum must be returned for **each appropriations request submitted** for Fiscal Year 2010.

Project Name: \_\_\_\_\_ **Repair Technology Insertion Program (RepTIP)** \_\_\_\_\_

Head of the organization making request: Name: \_\_Michael R. Reed\_\_

Title: \_\_Senior Vice President – General Atomics

Signature: Michael R. Reed

Date: 3/25/09

## Senator Robert Bennett FY2010 Defense Authorization and Appropriation Request Form

If submitting multiple requests:	Priority #	2	of	2		Date:	3/3/09
----------------------------------	------------	---	----	---	--	-------	--------

Company/organization:		General Atomics					
Address where majority of the work is to be performed:		1343 W. Flint Meadows Drive, Ste#2					
City:	Kaysville			State:	Utah	Zip:	84037
Corporate point of contact:	Thomas Lechtenberg Vice President, Power and Protection Systems						
Phone:							
Lobbyist point of contact	Stephen Moffitt						
Phone:							

Project name:		Repair Technology Insertion Program (RepTIP)					
Is this a request for an appropriation, authorization, or both?		Appropriations					
Proposed funding agency:		Air Force					
Account:	RDT&E			Budget line number [from DoD exhibit O-1, P-1, or R-1]:	29		
Line title:	Manufacturing Technology Program			Program Element number:	0603680F		
Is this project funded in the President's budget request? (Yes or No):				No	If yes, amount:	\$	
Funding request:				<b>\$5,200,000</b>			
Is the project in a Service Chief's Unfunded Priority or Unfunded Requirements List? (Yes or No):				No			
If yes, ranking:		Amount:		\$			

DoD or service program manager:		Jim Sutton			Phone:	
Office name:	Plans and Programs Director, Hill Air Force Base			Email:		
Other DoD point of contact/advocate:					Phone:	
Office name:				Email:		

Purpose of project (limit to 250 words and be as accurate and concise as possible— this language will be shared with the Senate Appropriations Committee. You may also submit a separate white paper with more detail on the project):

The Repair Technology Insertion Program (RepTIP) identifies and develops, qualifies repair and overhaul technologies that increase productivity and reduce the cost of sustaining weapon systems. Insertion of these technologies into the 309<sup>th</sup> MXW at Hill Air Force Base as qualified processes decrease the cost of depot maintenance as well as provide more timely and reliable product support to the warfighter. Insertion of these technologies enhances depot core-capabilities and helps maintain 50% organic-depot content in the USAF repair and overhaul requirement. Repair technologies to be inserted include:

- Level II roller bearing refurbishment and restoration process
  - High tolerance tube fabrication process
  - Inside-diameter protective coatings applied to metals
  - Heat treat and foundry process improvements
  - Water-jet and laser-cut technologies
  - Composite material repair technologies
- The Repair Technology Insertion Program (RepTIP) will employ a disciplined engineering approach to the development and qualification of these new technologies for implementation at the 309<sup>th</sup> MXW.

Does the request meet an official DoD or service requirement? If so, cite official requirement documents and attach copies if available.

RepTIP accomplishes the following which will be of benefit to the Department of Defense:

1. RepTIP will allow the 309<sup>th</sup> MXW to repair and overhaul critical weapon system components that it currently does not have the capability to perform.
2. RepTIP will increase work capability at the OO-ALC/309 MXW.
3. RepTIP will insert commercial innovation into the organic product support processes.
4. By increasing the capability of the 309<sup>th</sup> MXW to repair and overhaul critical weapons, it will allow the Air Force to maintain its 50/50 depot maintenance requirement at the Ogden Air Logistics Center.

Proposed bill and/or report language requested:

None

Please list industry, academic, and government partners:

General Atomics is seeking a Utah based industry and university partner for this project, but has yet to secure an agreement.

Will this request be submitted to other Senate or House offices? If so, please list:

Senator Hatch

Representative Bishop

Have, or will, committee staff be approached regarding this project? If so, please list staff member AND committee.

NA

Has funding previously been requested for this project?	No
If yes, please fill out the following table as far as applicable	
Year and amount requested	Was funding provided? If so, amount:


Please provide a budget breakdown for the amount requested, including locations where funding will be spent:

<p>Budget breakdown</p> <p>\$2.9M RDT&amp;E labor \$1.3M materials \$1.0M University/Small Business</p> <p>Location breakdown</p> <p>50 percent in Kaysville, UT 26 percent in Logan, UT and Salt Lake City, UT 24 percent San Diego, CA</p>
--

## ADDENDUM

### Senator Robert F. Bennett Appropriation Disclosure Requirements Fiscal Year 2010

---

Under the new disclosure requirements announced at the beginning of the 111<sup>th</sup> Congress by the Senate and House Appropriations Committees, all Members of Congress are required to post on their websites each appropriations request they submit to the respective subcommittees. The information must include an explanation of the project, a justification for the request, and the requesting entity.

Senator Bennett is requiring any entity seeking federal funding to sign, date, and return this form to his office by April 6, 2009. By signing below, the requesting entity acknowledges that each Fiscal Year 2010 Appropriations Request form submitted to Senator Bennett's office, along with this addendum, will be posted on the senator's website in compliance with the new practice of the committee, and will therefore be available to the public. By signing this addendum, the requesting entity also acknowledges that the corresponding appropriations request is a priority for the city, county, council, or other organization that it represents. Each request will continue to be thoroughly reviewed by Senator Bennett's office and by the staff of the Appropriations Committee.

Going forward, Senator Bennett will continue to work to represent Utah's interests by ensuring Utah's priorities are adequately represented with congressionally directed spending.

Note: A signed addendum must be returned for **each appropriations request submitted** for Fiscal Year 2010.

Project Name: Enhanced Respiratory Virus Biosurveillance to Distinguish Between Common Respiratory Infections and Biohazardous Agents

Head of the organization making request: Name: Albert Zimmerli

Title: Senior Vice President and Chief Financial Officer, Intermountain Healthcare, Inc.

Signature: 

Date: 4/6/09

## Senator Robert Bennett FY2010 Defense Authorization and Appropriation Request Form

If submitting multiple requests:	Priority #	1	of	5		Date:	3/6/2009
----------------------------------	------------	---	----	---	--	-------	----------

Company/organization:		Intermountain Healthcare, Inc.					
Address where majority of the work is to be performed:		36 South State Street, 22 <sup>nd</sup> Floor					
City:	Salt Lake City			State:	UT	Zip:	84111
Corporate point of contact:	Shauna Bruun, Research Operations Coordinator						
Phone:							
Lobbyist point of contact:	William C. Oldaker, Oldaker Group						
Phone:							

Project name:		Respiratory Biosurveillance Project					
Is this a request for an appropriation, authorization, or both?		Appropriation					
Proposed funding agency:		Army					
Account:	RDA (RDT&E Army)			Budget line number [from DoD exhibit O-1, P-1, or R-1]:	30		
Line title:	Advanced Technology Development			Program Element number:	0603002A		
Is this project funded in the President's budget request? (Yes or No):				No	If yes, amount:	N/A	
Funding request:				<b>\$ 1,300,000</b>			
Is the project in a Service Chief's Unfunded Priority or Unfunded Requirements List? (Yes or No):				No			
If yes, ranking:	N/A		Amount:	N/A			

DoD or service program manager:		Tony L. Story			Phone:	
Office name:	Telemedicine and Advanced Technology Research Center (TATRC)			Email:		
Other DoD point of contact/advocate:					Phone:	
Office name:				Email:		

Purpose of project (limit to 250 words) and be as accurate and concise as possible— this language will be shared with the Senate Appropriations Committee. You may also submit a separate white paper with more detail on the project):

There is a vital need to develop electronic health information systems that can help distinguish between common respiratory infections and biohazardous agents. Currently, it is difficult for physicians to distinguish between common acute respiratory infections caused by ordinary viruses such as influenza (flu) or rhinovirus (common cold), and life threatening viruses that result from bioterror incidents (anthrax) or emerging infectious diseases such as severe acute respiratory syndrome (SARS) or pandemic influenza.

IHC proposes to develop the Utah Biosurveillance Grid (UBG), a system that will use health information technology to integrate the efforts of the University of Utah's Center of Excellence: Public Health Informatics (COE-PHI), the

Intermountain Healthcare System and Idaho Technology, Inc.(ITI), to recognize and track specific viruses. This will provide real-time information about existing viruses to physicians, enabling them to respond decisively and alter the public in the event of a biothreat such as anthrax.

Although the principle aim of this project is to protect the nation from Biothreats, the development of this technology will allow for a more dynamic national health information system. Access to the Biosurveillance grid will lead to more accurate diagnoses and better treatment. By having real time data about active pathogens in an area, physicians can better prioritize tests and treatment. In addition to providing an early alert system for biothreats, which coincides with the DoD's interest in chemical and biological threat assessment, the system will improve healthcare and reduce costs.

Does the request meet an official DoD or service requirement? If so, cite official requirement documents and attach copies if available.

No, although it does further the DoD's interest in Biothreat Assessment.

Proposed bill and/or report language requested:

1,300,000 for Intermountain Healthcare's Respiratory Biosurveillance project, Salt Lake City, UT

Please list industry, academic, and government partners:

University of Utah
Idaho Technologies Inc.

Will this request be submitted to other Senate or House offices? If so, please list:

Senator Hatch
Congressman Bishop

Have, or will, committee staff be approached regarding this project? If so, please list staff member AND committee.

No.

Has funding previously been requested for this project?	No
If yes, please fill out the following table as far as applicable	
Year and amount requested	Was funding provided? If so, amount:

Please provide a budget breakdown for the amount requested, including locations where funding will be spent:

Program Manager Salary (1)  
Biomedical Informatics Specialist (4)  
Computer Professionals (2)  
Laboratory Assistant (1)  
Research Coordinator (1)  
Computer hardware and software, installation and maintenance  
Diagnostic testing instrument installation  
Reagents and supplies (sufficient to test 250 samples per year)  
Support of specimen courier networks and system maintenance

## ADDENDUM

### Senator Robert F. Bennett Appropriation Disclosure Requirements Fiscal Year 2010

---

Under the new disclosure requirements announced at the beginning of the 111<sup>th</sup> Congress by the Senate and House Appropriations Committees, all Members of Congress are required to post on their websites each appropriations request they submit to the respective subcommittees. The information must include an explanation of the project, a justification for the request, and the requesting entity.

Senator Bennett is requiring any entity seeking federal funding to sign, date, and return this form to his office by April 6, 2009. By signing below, the requesting entity acknowledges that each Fiscal Year 2010 Appropriations Request form submitted to Senator Bennett's office, along with this addendum, will be posted on the senator's website in compliance with the new practice of the committee, and will therefore be available to the public. By signing this addendum, the requesting entity also acknowledges that the corresponding appropriations request is a priority for the city, county, council, or other organization that it represents. Each request will continue to be thoroughly reviewed by Senator Bennett's office and by the staff of the Appropriations Committee.

Going forward, Senator Bennett will continue to work to represent Utah's interests by ensuring Utah's priorities are adequately represented with congressionally directed spending.

Note: A signed addendum must be returned for **each appropriations request submitted** for Fiscal Year 2010.

Project Name: R-IAIS Depot Modernization

Head of the organization making request: Name: John Jarman

Title: V.P. and G.M., Defense Systems and Solutions  
BAE Systems

Signature: 

Date: April 14, 2009

## Senator Robert Bennett FY2010 Defense Authorization and Appropriation Request Form

If submitting multiple requests:	Priority #	1	of	2		Date:	3/2/09
----------------------------------	------------	---	----	---	--	-------	--------

Company/organization:		BAE Systems					
Address where majority of the work is to be performed:		Ogden ALC (6035 DOGWOOD AVE., HILL AFB, UT 84056-5817)					
City:	Hill AFB	State:	UT	Zip:	84056-5817		
Corporate point of contact:	Heather Hescheles						
Phone:							
Lobbyist point of contact	Same						
Phone:				Email:			

Project name:		R-IAIS Depot Modernization					
Is this a request for an appropriation, authorization, or both?		Appropriation					
Proposed funding agency:		USAF					
Account:	Other Procurement	Budget line number [from DoD exhibit O-1, P-1, or R-1]:			P-71, BA-4		
Line title:	Items Less than \$5M	Program Element number:		Line 71			
Is this project funded in the President's budget request? (Yes or No):		TBD	If yes, amount:	\$TBD			
Funding request:		\$ +\$12M					
Is the project in a Service Chief's Unfunded Priority or Unfunded Requirements List? (Yes or No):		No					
If yes, ranking:	N/A	Amount:	\$				

DoD or service program manager:		Ron C. Smith			Phone:	
Office name:	Chief, Processing Engineering			Email:		
Other DoD point of contact/advocate:		Cliff Porter			Phone:	
Office name:	CFA, Hill AFB			Email:		

Purpose of project (limit to 250 words and be as accurate and concise as possible— this language will be shared with the Senate Appropriations Committee. You may also submit a separate white paper with more detail on the project):

As part of their modernization efforts, OO-ALC is focused on investing in Automatic Test Equipment (ATE) that allows them to meet both current and future test requirements. The R-IAIS is well equipped for its current role testing F-16 LRU's and has begun to test avionics from the A-10, Pave Penny Pod and other weapon systems. The depot plans to leverage the extensive test capability of the R-IAIS to support this broader range of avionics. This approach will further reduce the number of unique test systems used in the depot allowing them to realize additional savings.

Does the request meet an official DoD or service requirement? If so, cite official requirement documents and attach copies if available.

Yes, OO-ALC has the requirement to Depot F-16 Avionics

Proposed bill and/or report language requested:

Provide \$12M in Other Procurement, Air Force, BA-4, Line 71 to procure three additional R-IAIS stations, test program sets and associated accessories at the Hill AFB depot.

Please list industry, academic, and government partners:

Hill AFB

Will this request be submitted to other Senate or House offices? If so, please list:

Senator Hatch

Have, or will, committee staff be approached regarding this project? If so, please list staff member AND committee.

Erik Raven (SACD)  
 Creighton Greene (SASC)

Has funding previously been requested for this project?	Yes
If yes, please fill out the following table as far as applicable	
Year and amount requested	Was funding provided? If so, amount:
\$10M requested in FY07	Yes, \$5.5M funded
\$14M requested in FY06	Yes, \$5.4M funded
\$12M requested in FY05	Yes, \$3.9M funded

Please provide a budget breakdown for the amount requested, including locations where funding will be spent:

\$9M will be used to procure three R-IAIS stations; \$3M will be used to procure test program sets and associated accessories for the stations.