Contract ID:	0001	Reference IDV:	HDTRA108D0005
Modification Number:	5	Transaction Number:	0
Award/IDV Type:	DO Delivery Order	Action Obligation (\$):	\$0.00
Date Signed:	Oct 6, 2009	Solicitation Date:	-
Contracting Agency ID:	9761	Contracting Agency:	DEFENSE THREAT REDUCTION AGENCY (DTRA)
Contracting Office Name:	DEFENSE THREAT REDUCTION AGENCY	PSC Type:	S
PSC:	AD92	PSC Description:	OTHER DEFENSE (APPLIED/EXPLORATORY)
NAICS:	541712	NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)
Entity City:	LAUREL	Entity State:	MD
Entity ZIP Code:	207230000	Additional Reporting Code:	-
Additional Reporting Description:	-	Unique Entity ID:	C1HBCJ9RMBV3
Ultimate Parent Unique Entity ID:	FTMTDMBR29C7	Ultimate Parent Legal Business Name:	JOHNS HOPKINS UNIVERSITY
Legal Business Name:	JOHNS HOPKINS UNIVERSITY	CAGE Code:	-
Contract ID:	0001	Reference IDV:	HDTRA108D0005
Modification Number:	3	Transaction Number:	0
Award/IDV Type:	DO Delivery Order	Action Obligation (\$):	\$146,755.00
Date Signed:	May 18, 2009	Solicitation Date:	-
Contracting Agency ID:	9761	Contracting Agency:	DEFENSE THREAT REDUCTION AGENCY (DTRA)
Contracting Office Name:	DEFENSE THREAT REDUCTION AGENCY	PSC Type:	S
PSC:	AD92	PSC Description:	OTHER DEFENSE (APPLIED/EXPLORATORY)
NAICS:	541712	NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL,
			ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)
Entity City:	LAUREL	Entity State:	SCIENCES (EXCEPT
Entity City: Entity ZIP Code:	LAUREL 207230000	Entity State: Additional Reporting Code:	SCIENCES (EXCEPT BIOTECHNOLOGY) MD
			SCIENCES (EXCEPT BIOTECHNOLOGY) MD
Entity ZIP Code: Additional Reporting		Additional Reporting Code:	SCIENCES (EXCEPT BIOTECHNOLOGY) MD -

Contract ID:	0001	Reference IDV:	HDTRA108D0005
Modification Number:	15	Transaction Number:	0
Award/IDV Type:	DO Delivery Order	Action Obligation (\$):	-\$82,548.65
Date Signed:	Jun 8, 2017	Solicitation Date:	-
Contracting Agency ID:	9761	Contracting Agency:	DEFENSE THREAT REDUCTION AGENCY (DTRA)
Contracting Office Name:	DEFENSE THREAT REDUCTION AGENCY	PSC Type:	S
PSC:	AD92	PSC Description:	R&D- DEFENSE OTHER: OTHER (APPLIED RESEARCH/EXPLORATORY DEVELOPMENT)
NAICS:	541712	NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)
Entity City:	LAUREL	Entity State:	MD
Entity ZIP Code:	207230000	Additional Reporting Code:	-
Additional Reporting Description:	-	Unique Entity ID:	C1HBCJ9RMBV3
Ultimate Parent Unique Entity ID:	FTMTDMBR29C7	Ultimate Parent Legal Business Name:	JOHNS HOPKINS UNIVERSITY
Legal Business Name:	JOHNS HOPKINS UNIVERSITY	CAGE Code:	88898
Contract ID:	0001	Reference IDV:	HDTRA108D0005
Modification Number:	0	Transaction Number:	0
Award/IDV Type:	DO Delivery Order	Action Obligation (\$):	\$217,769.00
Date Signed:	Jun 20, 2008	Solicitation Date:	-
Contracting Agency ID:	9761	Contracting Agency:	DEFENSE THREAT REDUCTION AGENCY (DTRA)
Contracting Office Name:	DEFENSE THREAT REDUCTION AGENCY	PSC Type:	S
PSC:	AD92	PSC Description:	OTHER DEFENSE (APPLIED/EXPLORATORY)
NAICS:	541712	NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)
Entity City:	LAUREL	Entity State:	MD
Entity ZIP Code:	207230000	Additional Reporting Code:	-
Additional Reporting Description:	-	Unique Entity ID:	C1HBCJ9RMBV3
Ultimate Parent Unique Entity ID:	FTMTDMBR29C7	Ultimate Parent Legal Business Name:	JOHNS HOPKINS UNIVERSITY
Legal Business Name:	JOHNS HOPKINS UNIVERSITY	CAGE Code:	_

Contract ID:	0001	Reference IDV:	HDTRA108D0005
Modification Number:	4	Transaction Number:	0
Award/IDV Type:	DO Delivery Order	Action Obligation (\$):	\$95,497.00
Date Signed:	Sep 10, 2009	Solicitation Date:	-
Contracting Agency ID:	9761	Contracting Agency:	DEFENSE THREAT REDUCTION AGENCY (DTRA)
Contracting Office Name:	DEFENSE THREAT REDUCTION AGENCY	PSC Type:	S
PSC:	AD92	PSC Description:	OTHER DEFENSE (APPLIED/EXPLORATORY)
NAICS:	541712	NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)
Entity City:	LAUREL	Entity State:	MD
Entity ZIP Code:	207230000	Additional Reporting Code:	_
Additional Reporting Description:	-	Unique Entity ID:	C1HBCJ9RMBV3
Ultimate Parent Unique Entity ID:	FTMTDMBR29C7	Ultimate Parent Legal Business Name:	JOHNS HOPKINS UNIVERSITY
Legal Business Name:	JOHNS HOPKINS UNIVERSITY	CAGE Code:	-
Contract ID:	0001	Reference IDV:	HDTRA108D0005
Modification Number:	6	Transaction Number:	0
Award/IDV Type:	DO Delivery Order	Action Obligation (\$):	\$404,503.00
Date Signed:	Oct 29, 2009	Solicitation Date:	-
Contracting Agency ID:	9761	Contracting Agency:	DEFENSE THREAT REDUCTION AGENCY (DTRA)
Contracting Office Name:	DEFENSE THREAT REDUCTION AGENCY	PSC Type:	S
PSC:	AD92	PSC Description:	OTHER DEFENSE (APPLIED/EXPLORATORY)
NAICS:	541712	NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)
		Entity State:	MD
Entity City:	LAUREL	Encicy Scace.	TID
Entity City: Entity ZIP Code:	LAUREL 207230000	Additional Reporting Code:	
Entity ZIP Code: Additional Reporting		Additional Reporting Code:	-

Contract ID:	0001	Reference IDV:	HDTRA108D0005
Modification Number:	1	Transaction Number:	0
Award/IDV Type:	DO Delivery Order	Action Obligation (\$):	\$0.00
Date Signed:	Sep 16, 2008	Solicitation Date:	-
Contracting Agency ID:	9761	Contracting Agency:	DEFENSE THREAT REDUCTION AGENCY (DTRA)
Contracting Office Name:	DEFENSE THREAT REDUCTION AGENCY	PSC Type:	S
PSC:	AD92	PSC Description:	OTHER DEFENSE (APPLIED/EXPLORATORY)
NAICS:	541712	NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)
Entity City:	LAUREL	Entity State:	MD
Entity ZIP Code:	207230000	Additional Reporting Code:	-
Additional Reporting Description:	-	Unique Entity ID:	C1HBCJ9RMBV3
Ultimate Parent Unique Entity ID:	FTMTDMBR29C7	Ultimate Parent Legal Business Name:	JOHNS HOPKINS UNIVERSITY
Legal Business Name:	JOHNS HOPKINS UNIVERSITY	CAGE Code:	-
Contract ID:	0001	Reference IDV:	HDTRA113D0012
Modification Number:	3	Transaction Number:	0
Award/IDV Type:	DO Delivery Order	Action Obligation (\$):	\$1,088.00
Date Signed:	Aug 25, 2014	Solicitation Date:	-
Contracting Agency ID:	9761	Contracting Agency:	DEFENSE THREAT REDUCTION AGENCY (DTRA)
Contracting Office Name:	DEFENSE THREAT REDUCTION AGENCY	PSC Type:	S
PSC:	AD92	PSC Description:	R&D- DEFENSE OTHER: OTHER (APPLIED RESEARCH/EXPLORATORY DEVELOPMENT)
NAICS:	541712	NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)
Entity City:	LAUREL	Entity State:	MD
Entity ZIP Code:	207236005	Additional Reporting Code:	-
Additional Reporting Description:	-	Unique Entity ID:	C1HBCJ9RMBV3
Ultimate Parent Unique Entity ID:	FTMTDMBR29C7	Ultimate Parent Legal Business Name:	JOHNS HOPKINS UNIVERSITY
Legal Business Name:	JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY LLC, THE	CAGE Code:	-

Contract ID:	0001	Reference IDV:	HDTRA113D0012
Modification Number:	2	Transaction Number:	0
			-
Award/IDV Type:	DO Delivery Order	Action Obligation (\$):	\$0.00
Date Signed:	Jun 11, 2014	Solicitation Date:	-
Contracting Agency ID:	9761	Contracting Agency:	DEFENSE THREAT REDUCTION AGENCY (DTRA)
Contracting Office Name:	DEFENSE THREAT REDUCTION AGENCY	PSC Type:	S
PSC:	AD92	PSC Description:	R&D- DEFENSE OTHER: OTHER (APPLIED RESEARCH/EXPLORATORY DEVELOPMENT)
NAICS:	541712	NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)
Entity City:	LAUREL	Entity State:	MD
Entity ZIP Code:	207236005	Additional Reporting Code:	-
Additional Reporting Description:	-	Unique Entity ID:	C1HBCJ9RMBV3
Ultimate Parent Unique Entity ID:	FTMTDMBR29C7	Ultimate Parent Legal Business Name:	JOHNS HOPKINS UNIVERSITY
Legal Business Name:	JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY LLC, THE	CAGE Code:	-
Contract ID:	0001	Reference IDV:	HDTRA113D0012
Modification Number:	0	Transaction Number:	0
Award/IDV Type:	DO Delivery Order	Action Obligation (\$):	\$100,000.00
Date Signed:	Sep 30, 2013	Solicitation Date:	-
Contracting Agency ID:	9761	Contracting Agency:	DEFENSE THREAT REDUCTION AGENCY (DTRA)
Contracting Office Name:	DEFENSE THREAT REDUCTION AGENCY	PSC Type:	S
PSC:	AD92	PSC Description:	R&D- DEFENSE OTHER: OTHER (APPLIED RESEARCH/EXPLORATORY DEVELOPMENT)
NAICS:	541712	NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)
Entity City:	LAUREL	Entity State:	MD
Entity ZIP Code:	207236005	Additional Reporting Code:	-
Additional Reporting Description:	-	Unique Entity ID:	C1HBCJ9RMBV3
Ultimate Parent Unique Entity ID:	FTMTDMBR29C7	Ultimate Parent Legal Business Name:	JOHNS HOPKINS UNIVERSITY
Legal Business Name:	JOHNS HOPKINS UNIVERSITY	CAGE Code:	_

Contract ID:	0001	Reference IDV:	HDTRA108D0005
Modification Number:	2	Transaction Number:	0
Award/IDV Type:	DO Delivery Order	Action Obligation (\$):	\$258,399.00
Date Signed:	Nov 14, 2008	Solicitation Date:	-
Contracting Agency ID:	9761	Contracting Agency:	DEFENSE THREAT REDUCTION AGENCY (DTRA)
Contracting Office Name:	DEFENSE THREAT REDUCTION AGENCY	PSC Type:	S
PSC:	AD92	PSC Description:	OTHER DEFENSE (APPLIED/EXPLORATORY)
NAICS:	541712	NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)
Entity City:	LAUREL	Entity State:	MD
Entity ZIP Code:	207230000	Additional Reporting Code:	-
Additional Reporting Description:	-	Unique Entity ID:	C1HBCJ9RMBV3
Ultimate Parent Unique Entity ID:	FTMTDMBR29C7	Ultimate Parent Legal Business Name:	JOHNS HOPKINS UNIVERSITY
Legal Business Name:	JOHNS HOPKINS UNIVERSITY	CAGE Code:	-
Contract ID:	0001	Reference IDV:	HDTRA113D0012
Modification Number:	1	Transaction Number:	0
Award/IDV Type:	DO Delivery Order	Action Obligation (\$):	\$247,550.00
Date Signed:	Feb 18, 2014	Solicitation Date:	-
Contracting Agency ID:	9761	Contracting Agency:	DEFENSE THREAT REDUCTION AGENCY (DTRA)
Contracting Office Name:	DEFENSE THREAT REDUCTION AGENCY	PSC Type:	S
PSC:	AD92	PSC Description:	R&D- DEFENSE OTHER: OTHER (APPLIED RESEARCH/EXPLORATORY DEVELOPMENT)
NAICS:	541712	NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)
Entity City:	LAUREL	Entity State:	MD
Entity ZIP Code:	207236005	Additional Reporting Code:	-
Additional Reporting Description:	-	Unique Entity ID:	C1HBCJ9RMBV3
Ultimate Parent Unique Entity ID:	FTMTDMBR29C7	Ultimate Parent Legal Business Name:	JOHNS HOPKINS UNIVERSITY
Legal Business Name:	JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY LLC, THE	CAGE Code:	-

Contract ID:	HDTRA117C0012	Reference IDV:	-
Modification Number:	P00002	Transaction Number:	0
Award/IDV Type:	DCA Definitive Contract	Action Obligation (\$):	\$0.00
Date Signed:	Mar 29, 2018	Solicitation Date:	-
Contracting Agency ID:	9761	Contracting Agency:	DEFENSE THREAT REDUCTION AGENCY (DTRA)
Contracting Office Name:	DEFENSE THREAT REDUCTION AGENCY	PSC Type:	S
PSC:	AD92	PSC Description:	R&D- DEFENSE OTHER: OTHER (APPLIED RESEARCH/EXPLORATORY DEVELOPMENT)
NAICS:	541712	NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)
Entity City:	LAUREL	Entity State:	MD
Entity ZIP Code:	207236005	Additional Reporting Code:	-
Additional Reporting Description:	-	Unique Entity ID:	C1HBCJ9RMBV3
Ultimate Parent Unique Entity ID:	FTMTDMBR29C7	Ultimate Parent Legal Business Name:	JOHNS HOPKINS UNIVERSITY
Legal Business Name:	JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY LLC, THE	CAGE Code:	88898