2040

01 Basic research

611101 In House Laboratory Independent Research — Budget Line Item: 0601101A

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
61110191ARK01	1992	OPEN	91A	ILIR-AMC	RK01	Research-Technology Base
61110191CRK01	1992	OPEN	91C	ILIR-Med R&D Cmd	RK01	Research-Technology Base
61110191DRK01	1992	OPEN	91D	ILIR-Corps Of Engr	RK01	Research-Technology Base
61110191ERK01	1992	OPEN	91E	ILIR-ARI	RK01	Research-Technology Base
611101F16RK01	2009	OPEN	F16	ILIR-SMDC	RK01	Research-Technology Base

611102 Defense Research Sciences — Budget Line Item: 0601102A

611102305RK01	1992	OPEN	305	ATR Research	RK01	Research-Technology Base
61110231BRK01	1992	OPEN	31B	Infrared Optics Rsch	RK01	Research-Technology Base
61110252CRK01	1992	OPEN	52C	Mapping & Remote Sens	RK01	Research-Technology Base
61110253ARK01	1992	OPEN	53A	Battlefield Env & Sig	RK01	Research-Technology Base
61110274ARK01	1992	OPEN	74A	Human Engineering	RK01	Research-Technology Base
61110274FRK01	1992	OPEN	74F	Pers Perf & Training	RK01	Research-Technology Base
611102AA1RK01	2019	OPEN	AA1	ILIR - AMC	RK01	Research-Technology Base
611102AA2RK01	2019	OPEN	AA2	ILIR - SMDC	RK01	Research-Technology Base
611102AA3RK01	2019	OPEN	AA3	Single Investigator Basic Research	RK01	Research-Technology Base
611102AA4RK01	2019	OPEN	AA4	Training and Human Science Research	RK01	Research-Technology Base
611102AA5RK01	2019	OPEN	AA5	Biotechnology and Systems Biology	RK01	Research-Technology Base
611102AA6RK01	2019	OPEN	AA6	Robotics and Mobile Energy	RK01	Research-Technology Base
611102AA7RK01	2019	OPEN	AA7	Mechanics and Ballistics	RK01	Research-Technology Base
611102AA8RK01	2019	OPEN	AA8	Sensing and Electromagnetics	RK01	Research-Technology Base
611102AA9RK01	2019	OPEN	AA9	Information and Networking	RK01	Research-Technology Base
611102AB1RK01	2019	OPEN	AB1	Basic Res in infect Dis, Oper Med and Combat Care	RK01	Research-Technology Base
611102AB2RK01	2019	OPEN	AB2	Protection, Maneuver, Geospatial, Natural Sciences	RK01	Research-Technology Base
611102ET6RK01	2016	OPEN	ET6	BASIC RESCH IN CLINICAL & REHABILITATIVE MED	RK01	Research-Technology Base
611102F20RK01	1992	OPEN	F20	Adv Propulsion Rsch	RK01	Research-Technology Base
611102F22RK01	1992	OPEN	F22	Rsch In Veh Mobility	RK01	Research-Technology Base
611102H42RK01	1992	OPEN	H42	Materials & Mechanics	RK01	Research-Technology Base
611102H43RK01	1992	OPEN	H43	Research In Ballistics	RK01	Research-Technology Base
611102H44RK01	1992	OPEN	H44	Adv Sensors Research	RK01	Research-Technology Base

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
611102H45RK01	1992	OPEN	H45	Air Mobility	RK01	Research-Technology Base
611102H47RK01	1992	OPEN	H47	Applied Physics Rsch	RK01	Research-Technology Base
611102H48RK01	1992	OPEN	H48	Battlespace Info & Comm Rsc	RK01	Research-Technology Base
611102H52RK01	1992	OPEN	H52	Equip For The Soldier	RK01	Research-Technology Base
611102H57RK01	1992	OPEN	H57	Single Investigator Basic Research	RK01	Research-Technology Base
611102H66RK01	1992	OPEN	H66	Adv Structures Rsch	RK01	Research-Technology Base
611102H67RK01	1992	OPEN	H67	Environmental Research	RK01	Research-Technology Base
611102H68RK01	1992	OPEN	H68	PROC POLLUT ABMT TECH	RK01	Research-Technology Base
611102S04RK01	1992	OPEN	S04	MIL POLLUTANT/HLTH HAZ	RK01	Research-Technology Base
611102S13FL8D	1992	OPEN	S13	Sci BS/Med Rsh Inf Dis	FL8D	Combat Support Medical
611102S13RK01	1992	OPEN	S13	Sci BS/Med Rsh Inf Dis	RK01	Research-Technology Base
611102S13RK03	1992	OPEN	S13	Sci BS/Med Rsh Inf Dis	RK03	Medical Technology
611102S14RK01	1992	OPEN	S14	Sci BS/Cbt Cas Care Rs	RK01	Research-Technology Base
611102S14RK03	1992	OPEN	S14	Sci BS/Cbt Cas Care Rs	RK03	Medical Technology
611102S15RK01	1992	OPEN	S15	Sci BS/Army Op Med Rsh	RK01	Research-Technology Base
611102S19RK01	1992	OPEN	S19	T-MED/SOLDIER STATUS	RK01	Research-Technology Base
611102T14RK01	2003	OPEN	T14	BASIC RESEARCH INITIATIVES - AMC (CA)	RK01	Research-Technology Base
611102T22RK01	1992	OPEN	T22	Soil & Rock Mech	RK01	Research-Technology Base
611102T23RK01	1992	OPEN	T23	Basic Res Mil Const	RK01	Research-Technology Base
611102T24RK01	1992	OPEN	T24	Signature Physics And Terrain State Basic Research	RK01	Research-Technology Base
611102T25RK01	1992	OPEN	T25	Environmental Science Basic Research	RK01	Research-Technology Base
611102T61RK01	2005	OPEN	T61	Basic Research Initiatives - MRMC (CA)	RK01	Research-Technology Base
611102T63RK01	2008	OPEN	T63	Robotics Autonomy, Manipulation, & Portability Rsh	RK01	Research-Technology Base
611102T64RK01	2009	OPEN	T64	Sci BS/System Biology And Network Science	RK01	Research-Technology Base
611102VR9RK01	2011	OPEN	VR9	Surface Science Research	RK01	Research-Technology Base

611103 University Research Sciences

Budget Line Item: 0601103A

611103AB3RK01	2019	OPEN	AB3	MURI/PECASE/DURIP	RK01	Research-Technology Base
611103D55RK01	2003	OPEN	D55	University Research Initiative	RK01	Research-Technology Base
611103D58RK01	2003	OPEN	D58	URI ACTIVITIES (CA)	RK01	Research-Technology Base
611103D66RK01	2005	OPEN	D66	MEDICAL UNIVERSITY RESEARCH INITIATIVES (CA)	RK01	Research-Technology Base
611103V72RK01	2008	OPEN	V72	Minerva	RK01	Research-Technology Base

611104 University & Industry Rsch Ctrs

Budget Line Item: 0601104A

611104AB4RK01	2019	OPEN	AB4	Army Research Centers	RK01	Research-Technology Base
611104AB7RK01	2019	OPEN	AB7	Army Collaborative Research and Tech Alliances	RK01	Research-Technology Base

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
611104AB8RK01	2019	OPEN	AB8	Army Educational Outreach Program	RK01	Research-Technology Base
611104AC6RK01	2019	OPEN	AC6	International Science and Technology	RK01	Research-Technology Base
611104EA6RK01	2013	OPEN	EA6	Cyber Collaborative Research Alliance	RK01	Research-Technology Base
611104F17RK01	2009	OPEN	F17	Neuroergonomics Collaborative Technology Alliance	RK01	Research-Technology Base
611104FF5RK01	2017	OPEN	FF5	Distributed Collaborative Intelligent Systems CTA	RK01	Research-Technology Base
611104FF7RK01	2017	OPEN	FF7	Internet of Battlefield Things CTA	RK01	Research-Technology Base
611104H04RK01	2003	OPEN	H04	HBCU/MI Programs	RK01	Research-Technology Base
611104H05RK01	2002	OPEN	H05	Institute For Collaborative Biotechnologies	RK01	Research-Technology Base
611104H09RK01	2003	OPEN	H09	Robotics CTA	RK01	Research-Technology Base
611104H50RK01	1993	OPEN	H50	Network Sciences Cta	RK01	Research-Technology Base
611104H53RK01	1993	OPEN	H53	Army High Performance Computing Research Center	RK01	Research-Technology Base
611104H54RK01	1993	OPEN	H54	Micro-Autonomous Systems Technology (MAST) CTA	RK01	Research-Technology Base
611104H56RK01	1993	OPEN	H56	Adv Decision Arch Collab Tech Alliance (CTA)	RK01	Research-Technology Base
611104H59RK01	1993	OPEN	H59	International Tech Centers	RK01	Research-Technology Base
611104H62RK01	1993	OPEN	H62	Institude for Advanced Technology (IAT)	RK01	Research-Technology Base
611104H64RK01	1993	OPEN	H64	MATERIALS CENTER	RK01	Research-Technology Base
611104H73RK01	1993	OPEN	H73	Automotive Research Center (ARC)	RK01	Research-Technology Base
611104J08RK01	2000	OPEN	J08	Institute For Creative Technologies (ICT)	RK01	Research-Technology Base
611104J12RK01	2002	OPEN	J12	Institute For Soldier Nanotechnology (ISN)	RK01	Research-Technology Base
611104J13RK01	2003	OPEN	J13	UNIVERSITY AND INDUSTRY INITIATIVES (CA)	RK01	Research-Technology Base
611104J14RK01	2005	OPEN	J14	Army Educational Outreach Program	RK01	Research-Technology Base
611104J15RK01	2005	OPEN	J15	Network Sciences ITA	RK01	Research-Technology Base
611104J16RK01	2005	OPEN	J16	NANOTECHNOLOGY AND MICROELECTRONICS INSTITUTE	RK01	Research-Technology Base
611104J17RK01	2007	OPEN	J17	Vertical Lift Research Center Of Excellence	RK01	Research-Technology Base
611104J22RK01	2008	OPEN	J22	NETWORK SCIENCE AND TECHNOLOGY RESEARCH CENTER	RK01	Research-Technology Base
611104VS1RK01	2015	OPEN	VS1	CENTER FOR FLEXIBLE ELECTRONICS	RK01	Research-Technology Base
611104VS2RK01	2011	OPEN	VS2	Multi-Scale Materials Modeling Centers	RK01	Research-Technology Base
611104VS3RK01	2014	OPEN	VS3	Center For Quantum Science Research	RK01	Research-Technology Base

611121 Cyber Collaborative Research Alliance

Budget Line Item: 0601121A

611121CB5RK01	2019	OPEN	CB5	Cyber Collaborative Research Alliance	RK01	Research-Technology Base

02 Applied Research

622105 Materials Technology

Budget Line Item: 0602105A

622105H7BRK01	2000	OPEN	H7B	Advanced Materials Initiatives (CA)	RK01	Research-Technology Base
622105H7BRK02	2000	OPEN	H7B	Advanced Materials Initiatives (CA)	RK02	Force Protection Technology

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
622105H7BRK09	2000	OPEN	H7B	Advanced Materials Initiatives (CA)	RK09	Soldier Technology
622105H7BRK17	2000	OPEN	H7B	Advanced Materials Initiatives (CA)	RK17	Ground Platform Technology
622105H7BRK19	2000	OPEN	H7B	Advanced Materials Initiatives (CA)	RK19	C4 Technology
622105H7BRK20	2000	OPEN	H7B	Advanced Materials Initiatives (CA)	RK20	Logistics Technology
622105H7GRK09	2002	OPEN	H7G	Nanomaterials Applied Research	RK09	Soldier Technology
622105H84RK02	1992	OPEN	H84	Materials	RK02	Force Protection Technology
622105H84RK09	1992	OPEN	H84	Materials	RK09	Soldier Technology
622105H84RK16	1992	OPEN	H84	Materials	RK16	Lethality Technology
622105H84RK17	1992	OPEN	H84	Materials	RK17	Ground Platform Technology
622105H84RK19	1992	OPEN	H84	Materials	RK19	C4 Technology
622105XW4RK17	2018	OPEN	XW4	Manufacturing Science	RK17	Ground Platform Technology
622120	**Sensors & Electronic Survivability**				**Budget Line Item: 0602120A**	
622120140RK02	1992	OPEN	140	HI-POWER MICROWAVE TEC	RK02	Force Protection Technology
622120140RK15	1992	OPEN	140	HI-POWER MICROWAVE TEC	RK15	Intel, Surveillance & Recon (ISR) Technology
622120140RK20	1992	OPEN	140	HI-POWER MICROWAVE TEC	RK20	Logistics Technology
622120H15RK02	1992	OPEN	H15	Ground Combat Id Tech	RK02	Force Protection Technology
622120H15RK15	1992	2016	H15	Ground Combat Id Tech	RK15	Intel, Surveillance & Recon (ISR) Technology
622120H15RK19	1992	2016	H15	Ground Combat Id Tech	RK19	C4 Technology
622120H16RK02	1992	OPEN	H16	S3I Technology	RK02	Force Protection Technology
622120H16RK09	1992	OPEN	H16	S3I Technology	RK09	Soldier Technology
622120H16RK15	1992	OPEN	H16	S3I Technology	RK15	Intel, Surveillance & Recon (ISR) Technology
622120H16RK19	1992	OPEN	H16	S3I Technology	RK19	C4 Technology
622120H16RK20	1992	OPEN	H16	S3I Technology	RK20	Logistics Technology
622120SA1RK01	2001	OPEN	SA1	Sensors and Electronic Initiatives (CA)	RK01	Research-Technology Base
622120SA1RK02	2001	OPEN	SA1	Sensors and Electronic Initiatives (CA)	RK02	Force Protection Technology
622120SA1RK09	2001	OPEN	SA1	Sensors and Electronic Initiatives (CA)	RK09	Soldier Technology
622120SA1RK15	2001	OPEN	SA1	Sensors and Electronic Initiatives (CA)	RK15	Intel, Surveillance & Recon (ISR) Technology
622120SA1RK19	2001	OPEN	SA1	Sensors and Electronic Initiatives (CA)	RK19	C4 Technology
622120SA1RK20	2001	OPEN	SA1	Sensors and Electronic Initiatives (CA)	RK20	Logistics Technology
622120SA2RK15	2004	OPEN	SA2	Biotechnology Applied Research	RK15	Intel, Surveillance & Recon (ISR) Technology
622120SA2RK19	2004	OPEN	SA2	Biotechnology Applied Research	RK19	C4 Technology
622120TS1RK15	2005	OPEN	TS1	Tactical Space Research	RK15	Intel, Surveillance & Recon (ISR) Technology
622120TS1RK19	2005	OPEN	TS1	Tactical Space Research	RK19	C4 Technology
622120TS2RK10	2009	2017	TS2	Robotics Technology	RK10	Unmanned Systems Technology

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
622120TS2RK17	2009	OPEN	TS2	Robotics Technology	RK17	Ground Platform Technology
622122 Tractor Hip					**Budget Line Item: 0602122A**	
622122622RK12	1992	OPEN	622	D622	RK12	Classified Technology
622122B72RK12	1998	OPEN	B72	AB72	RK12	Classified Technology
622122B73RK12	2008	OPEN	B73	AB73	RK12	Classified Technology
622126 TRACTOR JACK					**Budget Line Item: 0602126A**	
622126XW8RK12	2016	OPEN	XW8	TRACTOR JACK	RK12	Classified Technology
622141 Lethality Technology					**Budget Line Item: 0602141A**	
622141AH5FPCA	2019	OPEN	AH5	Projectile and Multi-Function Warhead Technologies	FPCA	Modernization Priority Long Range Precision Fires
622141AH5RK16	2019	OPEN	AH5	Projectile and Multi-Function Warhead Technologies	RK16	Lethality Technology
622141AH6RK16	2019	OPEN	AH6	Disruptive Energetics and Propulsion Technologies	RK16	Lethality Technology
622141AH7RK16	2019	OPEN	AH7	Lethal and Scalable Effects Technologies	RK16	Lethality Technology
622141AH8RK16	2019	OPEN	AH8	Lethality Materials and Processes Technology	RK16	Lethality Technology
622141AH9RK16	2019	OPEN	AH9	Advanced Warheads Technology	RK16	Lethality Technology
622142 Army Applied Research					**Budget Line Item: 0602142A**	
622142BS1RK24	2019	OPEN	BS1	Army Applied Research	RK24	S&T Leadership Initiatives
622143 Soldier Lethality Technology					**Budget Line Item: 0602143A**	
622143AN1FPCE	2019	OPEN	AN1	Narrowband SATCOM Technology	FPCE	Modernization Priority Network C3I
622143AN1RK19	2019	OPEN	AN1	Narrowband SATCOM Technology	RK19	C4 Technology
622143AY6FPCH	2019	OPEN	AY6	Soldier Squad Small Arms Armaments Technology	FPCH	Modernization Priority: Synthetic Tng Envr onlyS&T
622143AY6RK09	2019	OPEN	AY6	Soldier Squad Small Arms Armaments Technology	RK09	Soldier Technology
622143AY8FPCH	2019	OPEN	AY8	Small Arms Fire Control Technology	FPCH	Modernization Priority: Synthetic Tng Envr onlyS&T
622143AZ2FPCH	2019	OPEN	AZ2	Body Armor & Integrated Headborne Technology	FPCH	Modernization Priority: Synthetic Tng Envr onlyS&T
622143AZ2RK09	2019	OPEN	AZ2	Body Armor & Integrated Headborne Technology	RK09	Soldier Technology
622143AZ5RK09	2019	OPEN	AZ5	Soldier Protection Technology - Vulnerability	RK09	Soldier Technology
622143AZ9FPCD	2019	OPEN	AZ9	Soldier Protection Advanced Tech - Detectability	FPCD	Modernization Priority Soldier Lethality
622143AZ9RK09	2019	OPEN	AZ9	Soldier Protection Advanced Tech - Detectability	RK09	Soldier Technology
622143BB4FPCD	2019	OPEN	BB4	Dismounted Soldier Survivability Materials	FPCD	Modernization Priority Soldier Lethality
622143BB4RK09	2019	OPEN	BB4	Dismounted Soldier Survivability Materials	RK09	Soldier Technology
622143BB5FPCH	2019	OPEN	BB5	Physical Augmentation: Tech for Human Interactions	FPCH	Modernization Priority: Synthetic Tng Envr onlyS&T
622143BB5RK09	2019	OPEN	BB5	Physical Augmentation: Tech for Human Interactions	RK09	Soldier Technology
622143BB7RK09	2019	OPEN	BB7	Exoskeleton: Technology for Man-Machine Interface	RK09	Soldier Technology
622143BB9FPCH	2019	OPEN	BB9	Human Performance Tech for Mobility & Lethality	FPCH	Modernization Priority: Synthetic Tng Envr onlyS&T
622143BB9RK09	2019	OPEN	BB9	Human Performance Tech for Mobility & Lethality	RK09	Soldier Technology

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
622143BC2FPCD	2019	OPEN	BC2	Next Gen Mobility & Lethality Tech for Warfighters	FPCD	Modernization Priority Soldier Lethality
622143BC2RK09	2019	OPEN	BC2	Next Gen Mobility & Lethality Tech for Warfighters	RK09	Soldier Technology
622143BC3FPCD	2019	OPEN	BC3	Soldier Decision Making & Comms Performance Tech	FPCD	Modernization Priority Soldier Lethality
622143BC3RK09	2019	OPEN	BC3	Soldier Decision Making & Comms Performance Tech	RK09	Soldier Technology
622143BC6FPCD	2019	OPEN	BC6	Human Perf - Tech for Warfighter Enhancement	FPCD	Modernization Priority Soldier Lethality
622143BC6RK09	2019	OPEN	BC6	Human Perf - Tech for Warfighter Enhancement	RK09	Soldier Technology
622143BD1FPCD	2019	OPEN	BD1	Adv Soldier Sensors/Displays Tech for Dismounts	FPCD	Modernization Priority Soldier Lethality
622143BD1RK09	2019	OPEN	BD1	Adv Soldier Sensors/Displays Tech for Dismounts	RK09	Soldier Technology
622143BD6FPCH	2019	OPEN	BD6	Soldier Sys Interfaces/Integration- Sensor Tech	FPCH	Modernization Priority: Synthetic Tng Envr onlyS&T
622143BD6RK09	2019	OPEN	BD6	Soldier Sys Interfaces/Integration- Sensor Tech	RK09	Soldier Technology
622143BD8FPCH	2019	OPEN	BD8	Soldier & Sm Unit Tactical Energy Tech	FPCH	Modernization Priority: Synthetic Tng Envr onlyS&T
622143BD8RK09	2019	OPEN	BD8	Soldier & Sm Unit Tactical Energy Tech	RK09	Soldier Technology
622143BE1RK09	2019	OPEN	BE1	Support Technology to Mission Command	RK09	Soldier Technology
622143BE3FPCD	2019	OPEN	BE3	Joint Service Combat Feeding Technology	FPCD	Modernization Priority Soldier Lethality
622143BE3RK09	2019	OPEN	BE3	Joint Service Combat Feeding Technology	RK09	Soldier Technology
622143BE6RK09	2019	OPEN	BE6	Reactive/Resp Surfaces & Matls-Soldiers & Sys	RK09	Soldier Technology
622143BE8FPCH	2019	OPEN	BE8	Synthetic Training Environment (STE) Technology	FPCH	Modernization Priority: Synthetic Tng Envr onlyS&T
622143BE8RK09	2019	OPEN	BE8	Synthetic Training Environment (STE) Technology	RK09	Soldier Technology
622143BR9FPCD	2019	OPEN	BR9	Personnel & Airdrop Safety Technology	FPCD	Modernization Priority Soldier Lethality
622143BR9RK09	2019	OPEN	BR9	Personnel & Airdrop Safety Technology	RK09	Soldier Technology
622144	**Ground Technology**				**Budget Line Item: 0602144A**	
622144BK7RK17	2019	OPEN	BK7	Robotics for Engineer Operations Technology	RK17	Ground Platform Technology
622144BL1RK17	2019	OPEN	BL1	Materials and Manufacturing Research Technology	RK17	Ground Platform Technology
622144BL2RK17	2019	OPEN	BL2	Explosives Forensics Technology	RK17	Ground Platform Technology
622144BL2RK19	2019	OPEN	BL2	Explosives Forensics Technology	RK19	C4 Technology
622144BL4RK17	2019	OPEN	BL4	Countermine Technology	RK17	Ground Platform Technology
622144BL5RK17	2019	OPEN	BL5	Expedient Passive Protection Technology	RK17	Ground Platform Technology
622144BL7RK17	2019	OPEN	BL7	Power Projection in A2AD Environments Technology	RK17	Ground Platform Technology
622144BL9RK17	2019	OPEN	BL9	Protection from Advanced Weapon Effects Technology	RK17	Ground Platform Technology
622145	**Next Generation Combat Vehicle Technology**				**Budget Line Item: 0602145A**	
622145BF1FPCB	2019	OPEN	BF1	Autonomous Ground Resupply Tech	FPCB	Modernization Priority Next Generation Combat Veh
622145BF1RK17	2019	OPEN	BF1	Autonomous Ground Resupply Tech	RK17	Ground Platform Technology
622145BF3FPCB	2019	OPEN	BF3	Combat Vehicle Robotics Tech	FPCB	Modernization Priority Next Generation Combat Veh
622145BF3RK17	2019	OPEN	BF3	Combat Vehicle Robotics Tech	RK17	Ground Platform Technology

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
622145BF6FPCB	2019	OPEN	BF6	Crew Augmentation and Optimization Tech	FPCB	Modernization Priority Next Generation Combat Veh
622145BF6RK17	2019	OPEN	BF6	Crew Augmentation and Optimization Tech	RK17	Ground Platform Technology
622145BF8FPCB	2019	OPEN	BF8	Artificial Intelligence & Machine Learning Tech	FPCB	Modernization Priority Next Generation Combat Veh
622145BF8RK17	2019	OPEN	BF8	Artificial Intelligence & Machine Learning Tech	RK17	Ground Platform Technology
622145BF9FPCB	2019	OPEN	BF9	Sensors for Autonomous Operations and Surv Tech	FPCB	Modernization Priority Next Generation Combat Veh
622145BF9RK17	2019	OPEN	BF9	Sensors for Autonomous Operations and Surv Tech	RK17	Ground Platform Technology
622145BG2FPCB	2019	OPEN	BG2	Modeling and Simulation for MUMT Technology	FPCB	Modernization Priority Next Generation Combat Veh
622145BG2RK17	2019	OPEN	BG2	Modeling and Simulation for MUMT Technology	RK17	Ground Platform Technology
622145BG6FPCB	2019	OPEN	BG6	Advanced Concepts for Active Defense Technology	FPCB	Modernization Priority Next Generation Combat Veh
622145BG6RK17	2019	OPEN	BG6	Advanced Concepts for Active Defense Technology	RK17	Ground Platform Technology
622145BG8FPCB	2019	OPEN	BG8	Obscuration Technology	FPCB	Modernization Priority Next Generation Combat Veh
622145BG8RK17	2019	OPEN	BG8	Obscuration Technology	RK17	Ground Platform Technology
622145BH2FPCB	2019	OPEN	BH2	C4ISR Modular Autonomy Technology	FPCB	Modernization Priority Next Generation Combat Veh
622145BH2RK17	2019	OPEN	BH2	C4ISR Modular Autonomy Technology	RK17	Ground Platform Technology
622145BH5FPCB	2019	OPEN	BH5	Platform Electrification and Mobility Tech	FPCB	Modernization Priority Next Generation Combat Veh
622145BH5RK17	2019	OPEN	BH5	Platform Electrification and Mobility Tech	RK17	Ground Platform Technology
622145BH7FPCB	2019	OPEN	BH7	Enhanced VETRONICS Technology	FPCB	Modernization Priority Next Generation Combat Veh
622145BH7RK17	2019	OPEN	BH7	Enhanced VETRONICS Technology	RK17	Ground Platform Technology
622145BH9FPCB	2019	OPEN	BH9	Protection for Autonomous Systems Tech	FPCB	Modernization Priority Next Generation Combat Veh
622145BH9RK17	2019	OPEN	BH9	Protection for Autonomous Systems Tech	RK17	Ground Platform Technology
622145BI2FPCB	2019	OPEN	BI2	Sensor Protection Technology	FPCB	Modernization Priority Next Generation Combat Veh
622145BI2RK17	2019	OPEN	BI2	Sensor Protection Technology	RK17	Ground Platform Technology
622145BI4FPCB	2019	OPEN	BI4	Materials Application and Integration Tech	FPCB	Modernization Priority Next Generation Combat Veh
622145BI4RK17	2019	OPEN	BI4	Materials Application and Integration Tech	RK17	Ground Platform Technology
622145BI6FPCB	2019	OPEN	BI6	All-Electric Combat Powertrain Technology	FPCB	Modernization Priority Next Generation Combat Veh
622145BI9FPCB	2019	OPEN	BI9	Vehicle System Security Technology	FPCB	Modernization Priority Next Generation Combat Veh
622145BI9RK17	2019	OPEN	BI9	Vehicle System Security Technology	RK17	Ground Platform Technology
622145BJ2FPCB	2019	OPEN	BJ2	Tactical and Navigation Lasers Sensors Technology	FPCB	Modernization Priority Next Generation Combat Veh
622145BJ2RK17	2019	OPEN	BJ2	Tactical and Navigation Lasers Sensors Technology	RK17	Ground Platform Technology
622145BJ3FPCB	2019	OPEN	BJ3	Hydrogen Based Combat System Technology	FPCB	Modernization Priority Next Generation Combat Veh
622145BJ3RK17	2019	OPEN	BJ3	Hydrogen Based Combat System Technology	RK17	Ground Platform Technology
622145BJ7FPCB	2019	OPEN	BJ7	Detection of Explosive Hazards Technology	FPCB	Modernization Priority Next Generation Combat Veh
622145BJ7RK17	2019	OPEN	BJ7	Detection of Explosive Hazards Technology	RK17	Ground Platform Technology
622145BJ9FPCB	2019	OPEN	BJ9	Autonomous Mobility Tech	FPCB	Modernization Priority Next Generation Combat Veh

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
622145BJ9RK17	2019	OPEN	BJ9	Autonomous Mobility Tech	RK17	Ground Platform Technology
622145BK2FPCB	2019	OPEN	BK2	Virtual Prototyping Technology	FPCB	Modernization Priority Next Generation Combat Veh
622145BK2RK17	2019	OPEN	BK2	Virtual Prototyping Technology	RK17	Ground Platform Technology
622145BK3FPCB	2019	OPEN	BK3	Next Gen Intelligent Fire Control (NG-IFC) Tech	FPCB	Modernization Priority Next Generation Combat Veh
622145BK3RK17	2019	OPEN	BK3	Next Gen Intelligent Fire Control (NG-IFC) Tech	RK17	Ground Platform Technology
622145BK5FPCB	2019	OPEN	BK5	Adv Direct In-Direct Armament Sys (ADIDAS) Tech	FPCB	Modernization Priority Next Generation Combat Veh
622145BK5RK17	2019	OPEN	BK5	Adv Direct In-Direct Armament Sys (ADIDAS) Tech	RK17	Ground Platform Technology
622146	**Network C3I Technology**				**Budget Line Item: 0602146A**	
622146AM6FPCE	2019	OPEN	AM6	Modular RF Communications Technology	FPCE	Modernization Priority Network C3I
622146AM6RK19	2019	OPEN	AM6	Modular RF Communications Technology	RK19	C4 Technology
622146AM8FPCE	2019	OPEN	AM8	Protected SATCOM Technology	FPCE	Modernization Priority Network C3I
622146AM8RK19	2019	OPEN	AM8	Protected SATCOM Technology	RK19	C4 Technology
622146AN3FPCE	2019	OPEN	AN3	Non Traditional Waveforms Technology	FPCE	Modernization Priority Network C3I
622146AN3RK19	2019	OPEN	AN3	Non Traditional Waveforms Technology	RK19	C4 Technology
622146AN5FPCE	2019	OPEN	AN5	Protected SATCOM-WB Global SATCOM Inter Canc Tech	FPCE	Modernization Priority Network C3I
622146AN5RK19	2019	OPEN	AN5	Protected SATCOM-WB Global SATCOM Inter Canc Tech	RK19	C4 Technology
622146AN7FPCE	2019	OPEN	AN7	COE - Every Receiver is a Sensor Technology	FPCE	Modernization Priority Network C3I
622146AN7RK19	2019	OPEN	AN7	COE - Every Receiver is a Sensor Technology	RK19	C4 Technology
622146AN9FPCE	2019	OPEN	AN9	UNT - Every Receiver is a Sensor Technology	FPCE	Modernization Priority Network C3I
622146AN9RK19	2019	OPEN	AN9	UNT - Every Receiver is a Sensor Technology	RK19	C4 Technology
622146AO2FPCE	2019	OPEN	AO2	Stand-In Advanced RF Effects (STARE)	FPCE	Modernization Priority Network C3I
622146AO2RK19	2019	OPEN	AO2	Stand-In Advanced RF Effects (STARE)	RK19	C4 Technology
622146AO4FPCE	2019	OPEN	AO4	Energy Efficient Devices Technology	FPCE	Modernization Priority Network C3I
622146AO4RK19	2019	OPEN	AO4	Energy Efficient Devices Technology	RK19	C4 Technology
622146AO5FPCE	2019	OPEN	AO5	Tag Track and Locate Small Satellites Technology	FPCE	Modernization Priority Network C3I
622146AO5RK19	2019	OPEN	AO5	Tag Track and Locate Small Satellites Technology	RK19	C4 Technology
622146AO8FPCE	2019	OPEN	AO8	Information Trust Technology	FPCE	Modernization Priority Network C3I
622146AP1FPCE	2019	OPEN	AP1	Decoy and Deterrence Technology	FPCE	Modernization Priority Network C3I
622146AP3FPCE	2019	OPEN	AP3	Information Assurance and Network Resiliency Techn	FPCE	Modernization Priority Network C3I
622146AP4FPCE	2019	OPEN	AP4	CEMA Camouflage Technology	FPCE	Modernization Priority Network C3I
622146AP4RK19	2019	OPEN	AP4	CEMA Camouflage Technology	RK19	C4 Technology
622146AP5FPCE	2019	OPEN	AP5	Electronic Warfare Technology	FPCE	Modernization Priority Network C3I
622146AP5RK19	2019	OPEN	AP5	Electronic Warfare Technology	RK19	C4 Technology
622146AP7FPCE	2019	OPEN	AP7	Comms/Horiz Int for Army Mod Priorities Tech	FPCE	Modernization Priority Network C3I

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
622146AP7RK19	2019	OPEN	AP7	Comms/Horiz Int for Army Mod Priorities Tech	RK19	C4 Technology
622146AQ2FPCE	2019	OPEN	AQ2	EW Techniques Technology	FPCE	Modernization Priority Network C3I
622146AQ3FPCE	2019	OPEN	AQ3	Network Access and Effects	FPCE	Modernization Priority Network C3I
622146AQ6FPCE	2019	OPEN	AQ6	Command Applications of Machine Learning Technolog	FPCE	Modernization Priority Network C3I
622146AQ7FPCE	2019	OPEN	AQ7	High Tempo Data Driven Decision Tools Technology	FPCE	Modernization Priority Network C3I
622146AQ9FPCE	2019	OPEN	AQ9	Expeditionary Data to Decisions Technology	FPCE	Modernization Priority Network C3I
622146AQ9RK19	2019	OPEN	AQ9	Expeditionary Data to Decisions Technology	RK19	C4 Technology
622146AR1FPCE	2019	OPEN	AR1	Robust, Resilient and Intelligent C3I Technology	FPCE	Modernization Priority Network C3I
622146AR1RK19	2019	OPEN	AR1	Robust, Resilient and Intelligent C3I Technology	RK19	C4 Technology
622146AR3FPCE	2019	OPEN	AR3	Intelligent Environmental Battlefield Awareness	FPCE	Modernization Priority Network C3I
622146AR5FPCE	2019	OPEN	AR5	Understanding the Environment as a Threat Technolo	FPCE	Modernization Priority Network C3I
622146AR5RK19	2019	OPEN	AR5	Understanding the Environment as a Threat Technolo	RK19	C4 Technology
622146AR7FPCE	2019	OPEN	AR7	Sensing in Contested Environments Technology	FPCE	Modernization Priority Network C3I
622146AR9FPCE	2019	OPEN	AR9	Persistent Geophysical Sensing-Infrasound Tech	FPCE	Modernization Priority Network C3I
622146AR9RK19	2019	OPEN	AR9	Persistent Geophysical Sensing-Infrasound Tech	RK19	C4 Technology
622146AT2FPCE	2019	OPEN	AT2	Subterranean Detection and Monitoring Technology	FPCE	Modernization Priority Network C3I
622146AT2RK19	2019	OPEN	AT2	Subterranean Detection and Monitoring Technology	RK19	C4 Technology
622146AT4FPCE	2019	OPEN	AT4	GeoINT - OPS Merge Technology	FPCE	Modernization Priority Network C3I
622146AT7FPCE	2019	OPEN	AT7	Network-Enabled GeoSpatial-GEOINT Services Tech	FPCE	Modernization Priority Network C3I
622146AT7RK19	2019	OPEN	AT7	Network-Enabled GeoSpatial-GEOINT Services Tech	RK19	C4 Technology
622146AT9FPCE	2019	OPEN	AT9	Tactical GeoSpatial Information Capabilities Techn	FPCE	Modernization Priority Network C3I
622146AT9RK19	2019	OPEN	AT9	Tactical GeoSpatial Information Capabilities Techn	RK19	C4 Technology
622146AU3FPCE	2019	OPEN	AU3	Geospatially Enabled Operational Design Technology	FPCE	Modernization Priority Network C3I
622146AU3RK19	2019	OPEN	AU3	Geospatially Enabled Operational Design Technology	RK19	C4 Technology
622146AU5FPCE	2019	OPEN	AU5	Automated Analytics for Operational Environment	FPCE	Modernization Priority Network C3I
622146AU5RK19	2019	OPEN	AU5	Automated Analytics for Operational Environment	RK19	C4 Technology
622146AU7FPCE	2019	OPEN	AU7	GEOInt/Ops Integration for Multi-echelon Orders	FPCE	Modernization Priority Network C3I
622146AU9FPCE	2019	OPEN	AU9	GEOInt/Ops Logistics Integration-Planning Tech	FPCE	Modernization Priority Network C3I
622146AV3FPCE	2019	OPEN	AV3	Foundational S&T for Network C3I Technology	FPCE	Modernization Priority Network C3I
622146AV5FPCE	2019	OPEN	AV5	Protective Technologies	FPCE	Modernization Priority Network C3I
622146AV5RK19	2019	OPEN	AV5	Protective Technologies	RK19	C4 Technology
622146AV6FPCE	2019	OPEN	AV6	Airborne Engineering Support Technology	FPCE	Modernization Priority Network C3I
622146AV6RK19	2019	OPEN	AV6	Airborne Engineering Support Technology	RK19	C4 Technology
622146AV7FPCE	2019	OPEN	AV7	Atmospheric Modeling and Meterological Technology	FPCE	Modernization Priority Network C3I

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
622146AV7RK19	2019	OPEN	AV7	Atmospheric Modeling and Meterological Technology	RK19	C4 Technology
622146AV9FPCF	2019	OPEN	AV9	Advanced PNT for GPS Independent Environments Tech	FPCF	Modernization Priority Assured PNT
622146AV9RK19	2019	OPEN	AV9	Advanced PNT for GPS Independent Environments Tech	RK19	C4 Technology
622146AW1FPCF	2019	OPEN	AW1	Autonomous Navigation Technology	FPCF	Modernization Priority Assured PNT
622146AW1RK19	2019	OPEN	AW1	Autonomous Navigation Technology	RK19	C4 Technology
622146AW3FPCF	2019	OPEN	AW3	DoD PNT M&S Collaborative Initiative (CI) Technolo	FPCF	Modernization Priority Assured PNT
622146AW3RK19	2019	OPEN	AW3	DoD PNT M&S Collaborative Initiative (CI) Technolo	RK19	C4 Technology
622146AW5FPCF	2019	OPEN	AW5	Modular GPS Independent Sensors Technology	FPCF	Modernization Priority Assured PNT
622146AW5RK19	2019	OPEN	AW5	Modular GPS Independent Sensors Technology	RK19	C4 Technology

622147 Long Range Precision Fires Technology

Budget Line Item: 0602147A

622147AE7FPCA	2019	OPEN	AE7	Land-Based Anti-Ship Missile (LBASM) Technology	FPCA	Modernization Priority Long Range Precision Fires
622147AE7RK16	2019	OPEN	AE7	Land-Based Anti-Ship Missile (LBASM) Technology	RK16	Lethality Technology
622147AF1FPCA	2019	OPEN	AF1	Long Range Maneuverable Fires (LRMF) Technology	FPCA	Modernization Priority Long Range Precision Fires
622147AF3FPCA	2019	OPEN	AF3	Extended Range Propulsion Technology	FPCA	Modernization Priority Long Range Precision Fires
622147AF3RK16	2019	OPEN	AF3	Extended Range Propulsion Technology	RK16	Lethality Technology
622147AF5FPCA	2019	OPEN	AF5	Simulation and Aerostructures Technology	FPCA	Modernization Priority Long Range Precision Fires
622147AF5RK16	2019	OPEN	AF5	Simulation and Aerostructures Technology	RK16	Lethality Technology
622147AF6FPCA	2019	OPEN	AF6	Structures Technology	FPCA	Modernization Priority Long Range Precision Fires
622147AF6RK16	2019	OPEN	AF6	Structures Technology	RK16	Lethality Technology
622147AF7FPCA	2019	OPEN	AF7	Warhead Integration Technology	FPCA	Modernization Priority Long Range Precision Fires
622147AF7RK16	2019	OPEN	AF7	Warhead Integration Technology	RK16	Lethality Technology
622147AF8FPCA	2019	OPEN	AF8	Affordable Extended Range Precision Technology	FPCA	Modernization Priority Long Range Precision Fires
622147AF8RK16	2019	OPEN	AF8	Affordable Extended Range Precision Technology	RK16	Lethality Technology
622147AF9FPCA	2019	OPEN	AF9	Precision and Accuracy Technology	FPCA	Modernization Priority Long Range Precision Fires
622147AF9RK16	2019	OPEN	AF9	Precision and Accuracy Technology	RK16	Lethality Technology
622147AG1FPCA	2019	OPEN	AG1	Missile Electronics Technology	FPCA	Modernization Priority Long Range Precision Fires
622147AG1RK16	2019	OPEN	AG1	Missile Electronics Technology	RK16	Lethality Technology
622147AG2FPCA	2019	OPEN	AG2	Information and Signal Processing Technology	FPCA	Modernization Priority Long Range Precision Fires
622147AG2RK16	2019	OPEN	AG2	Information and Signal Processing Technology	RK16	Lethality Technology
622147AG4FPCA	2019	OPEN	AG4	Extended Range Artillery Munition Suite Technology	FPCA	Modernization Priority Long Range Precision Fires
622147AG4RK16	2019	OPEN	AG4	Extended Range Artillery Munition Suite Technology	RK16	Lethality Technology
622147AG6FPCA	2019	OPEN	AG6	Energetic Materials and Advanced Processing Techno	FPCA	Modernization Priority Long Range Precision Fires
622147AG6RK16	2019	OPEN	AG6	Energetic Materials and Advanced Processing Techno	RK16	Lethality Technology
622147AG8FPCA	2019	OPEN	AG8	Advanced Energetics Technology	FPCA	Modernization Priority Long Range Precision Fires

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
622147AG8RK16	2019	OPEN	AG8	Advanced Energetics Technology	RK16	Lethality Technology
622147AG9FPCA	2019	OPEN	AG9	Multiple Simul Engagement Technologies (MSET) Tech	FPCA	Modernization Priority Long Range Precision Fires
622147AG9RK16	2019	OPEN	AG9	Multiple Simul Engagement Technologies (MSET) Tech	RK16	Lethality Technology
622147AH2FPCA	2019	OPEN	AH2	Single Multi-mission Attack Missile (SMAM) Technol	FPCA	Modernization Priority Long Range Precision Fires
622147AH2RK16	2019	OPEN	AH2	Single Multi-mission Attack Missile (SMAM) Technol	RK16	Lethality Technology
622147AH4FPCF	2019	OPEN	AH4	Precision and Coop Weapons in a Denied Env Tech	FPCF	Modernization Priority Assured PNT
622147AH4RK16	2019	OPEN	AH4	Precision and Coop Weapons in a Denied Env Tech	RK16	Lethality Technology
622147BN5FPCA	2019	OPEN	BN5	Fuze and Power for Munitions	FPCA	Modernization Priority Long Range Precision Fires
622147BN5RK16	2019	OPEN	BN5	Fuze and Power for Munitions	RK16	Lethality Technology
622148	**Future Vertical Lift Technology**				**Budget Line Item: 0602148A**	
622148AI5FPCG	2019	OPEN	AI5	Next Gen Tactical UAS TD Technology	FPCG	Modernization Priority Future Vertical Lift
622148AI5RK13	2019	OPEN	AI5	Next Gen Tactical UAS TD Technology	RK13	Air Platform Technology
622148AI7FPCG	2019	OPEN	AI7	Alternative Concept Engine Technology	FPCG	Modernization Priority Future Vertical Lift
622148AI7RK13	2019	OPEN	AI7	Alternative Concept Engine Technology	RK13	Air Platform Technology
622148AI9FPCG	2019	OPEN	AI9	Future UAS Engine Technology	FPCG	Modernization Priority Future Vertical Lift
622148AI9RK13	2019	OPEN	AI9	Future UAS Engine Technology	RK13	Air Platform Technology
622148AJ2FPCG	2019	OPEN	AJ2	Next Generation Rotorcraft Transmission Technology	FPCG	Modernization Priority Future Vertical Lift
622148AJ2RK13	2019	OPEN	AJ2	Next Generation Rotorcraft Transmission Technology	RK13	Air Platform Technology
622148AJ4FPCG	2019	OPEN	AJ4	Digital Vehicle Management and Control Technology	FPCG	Modernization Priority Future Vertical Lift
622148AJ4RK13	2019	OPEN	AJ4	Digital Vehicle Management and Control Technology	RK13	Air Platform Technology
622148AJ6FPCG	2019	OPEN	AJ6	Advanced Rotors Technology	FPCG	Modernization Priority Future Vertical Lift
622148AJ6RK13	2019	OPEN	AJ6	Advanced Rotors Technology	RK13	Air Platform Technology
622148AJ8FPCG	2019	OPEN	AJ8	Experimental and Computational Aeromechanics Techn	FPCG	Modernization Priority Future Vertical Lift
622148AJ8RK13	2019	OPEN	AJ8	Experimental and Computational Aeromechanics Techn	RK13	Air Platform Technology
622148AK1FPCG	2019	OPEN	AK1	UAS Survivability Technology	FPCG	Modernization Priority Future Vertical Lift
622148AK1RK13	2019	OPEN	AK1	UAS Survivability Technology	RK13	Air Platform Technology
622148AK2FPCG	2019	OPEN	AK2	Aviation Survivability Technology	FPCG	Modernization Priority Future Vertical Lift
622148AK2RK13	2019	OPEN	AK2	Aviation Survivability Technology	RK13	Air Platform Technology
622148AK4FPCG	2019	OPEN	AK4	Multi-Role Small Guided Missile Technology	FPCG	Modernization Priority Future Vertical Lift
622148AK4RK13	2019	OPEN	AK4	Multi-Role Small Guided Missile Technology	RK13	Air Platform Technology
622148AK6FPCG	2019	OPEN	AK6	Advanced Rotorcraft Armaments Protection System Te	FPCG	Modernization Priority Future Vertical Lift
622148AK6RK13	2019	OPEN	AK6	Advanced Rotorcraft Armaments Protection System Te	RK13	Air Platform Technology
622148AK9FPCG	2019	OPEN	AK9	Adv Teaming for Tactical Aviation Operations Tech	FPCG	Modernization Priority Future Vertical Lift
622148AK9RK13	2019	OPEN	AK9	Adv Teaming for Tactical Aviation Operations Tech	RK13	Air Platform Technology

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
622148AL2FPCG	2019	OPEN	AL2	High Performance Computing for Rotorcraft App Tech	FPCG	Modernization Priority Future Vertical Lift
622148AL2RK13	2019	OPEN	AL2	High Performance Computing for Rotorcraft App Tech	RK13	Air Platform Technology
622148AL4FPCG	2019	OPEN	AL4	High Speed and Efficient VTOL Vehicle Technology	FPCG	Modernization Priority Future Vertical Lift
622148AL4RK13	2019	OPEN	AL4	High Speed and Efficient VTOL Vehicle Technology	RK13	Air Platform Technology
622148AL5FPCG	2019	OPEN	AL5	Air Vehicle Structures and Dynamics Technology	FPCG	Modernization Priority Future Vertical Lift
622148AL5RK13	2019	OPEN	AL5	Air Vehicle Structures and Dynamics Technology	RK13	Air Platform Technology
622148AL8FPCG	2019	OPEN	AL8	Holistic Situational Awareness and Dec Making Tech	FPCG	Modernization Priority Future Vertical Lift
622148AL8RK13	2019	OPEN	AL8	Holistic Situational Awareness and Dec Making Tech	RK13	Air Platform Technology
622148AM2FPCG	2019	OPEN	AM2	Aircraft and Aircrew Protection Technology	FPCG	Modernization Priority Future Vertical Lift
622148AM2RK13	2019	OPEN	AM2	Aircraft and Aircrew Protection Technology	RK13	Air Platform Technology
622148AM4FPCG	2019	OPEN	AM4	Opt Energy Stg & Therm Mgmt for FVL Survivability	FPCG	Modernization Priority Future Vertical Lift
622148AM4RK13	2019	OPEN	AM4	Opt Energy Stg & Therm Mgmt for FVL Survivability	RK13	Air Platform Technology

622150 Air and Missile Defense Technology

Budget Line Item: 0602150A

622150AC9FPCC	2019	OPEN	AC9	High Energy Laser Tactical Vehicle Demonstrator Te	FPCC	Modernization Priority Air and Missile Defense
622150AC9RK16	2019	OPEN	AC9	High Energy Laser Tactical Vehicle Demonstrator Te	RK16	Lethality Technology
622150AD2FPCC	2019	OPEN	AD2	High Energy Laser (HEL) Enabling and Support Techn	FPCC	Modernization Priority Air and Missile Defense
622150AD2RK16	2019	OPEN	AD2	High Energy Laser (HEL) Enabling and Support Techn	RK16	Lethality Technology
622150AD3FPCC	2019	OPEN	AD3	Maneuver Air Defense Technology	FPCC	Modernization Priority Air and Missile Defense
622150AD3RK16	2019	OPEN	AD3	Maneuver Air Defense Technology	RK16	Lethality Technology
622150AD5FPCC	2019	OPEN	AD5	Next Generation Fires Radar Technology	FPCC	Modernization Priority Air and Missile Defense
622150AD5RK16	2019	OPEN	AD5	Next Generation Fires Radar Technology	RK16	Lethality Technology
622150AD7FPCC	2019	OPEN	AD7	Missile Fire Control Sensors Technology	FPCC	Modernization Priority Air and Missile Defense
622150AD7RK16	2019	OPEN	AD7	Missile Fire Control Sensors Technology	RK16	Lethality Technology
622150AD9FPCC	2019	OPEN	AD9	Close Combat High Energy Laser Technology	FPCC	Modernization Priority Air and Missile Defense
622150AD9RK16	2019	OPEN	AD9	Close Combat High Energy Laser Technology	RK16	Lethality Technology
622150AE2FPCC	2019	OPEN	AE2	Unconventional Countermeasures-Survivability Tech	FPCC	Modernization Priority Air and Missile Defense
622150AE2RK16	2019	OPEN	AE2	Unconventional Countermeasures-Survivability Tech	RK16	Lethality Technology
622150AE4FPCC	2019	OPEN	AE4	Collaborative ISR Sensors Technology	FPCC	Modernization Priority Air and Missile Defense
622150AE4RK16	2019	OPEN	AE4	Collaborative ISR Sensors Technology	RK16	Lethality Technology

622211 Aviation Technology

Budget Line Item: 0602211A

62221147ARK02	1992	OPEN	47A	AERON & ACFT Wpns Tech	RK02	Force Protection Technology
62221147ARK10	1992	2017	47A	AERON & ACFT Wpns Tech	RK10	Unmanned Systems Technology
62221147ARK13	1992	OPEN	47A	AERON & ACFT Wpns Tech	RK13	Air Platform Technology
62221147BRK10	1992	2017	47B	Veh Prop & Struct Tech	RK10	Unmanned Systems Technology

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
62221147BRK13	1992	OPEN	47B	Veh Prop & Struct Tech	RK13	Air Platform Technology
62221147CRK01	2003	OPEN	47C	ROTORCRAFT COMPONENT TECHNOLOGIES (CA)	RK01	Research-Technology Base
62221147CRK13	2003	OPEN	47C	ROTORCRAFT COMPONENT TECHNOLOGIES (CA)	RK13	Air Platform Technology

622213 C3I Applied Cyber

Budget Line Item: 0602213A

6222132CYFPCE	2019	OPEN	2CY	Information Trust Technology	FPCE	Modernization Priority Network C3I
6222132CYRK19	2019	OPEN	2CY	Information Trust Technology	RK19	C4 Technology
6222133CYFPCE	2019	OPEN	3CY	Network Access and Effects Technology	FPCE	Modernization Priority Network C3I
6222133CYRK19	2019	OPEN	3CY	Network Access and Effects Technology	RK19	C4 Technology
6222135CYFPCE	2019	OPEN	5CY	Offensive Cyber Operations (OCO) Mirror Technology	FPCE	Modernization Priority Network C3I
6222135CYRK19	2019	OPEN	5CY	Offensive Cyber Operations (OCO) Mirror Technology	RK19	C4 Technology
622213CY1RK19	2019	OPEN	CY1	Information Assurance and Network Resiliency Tech	RK19	C4 Technology
622213CY6FPCE	2019	OPEN	CY6	Autonomous Cyber Technology	FPCE	Modernization Priority Network C3I
622213CY6RK19	2019	OPEN	CY6	Autonomous Cyber Technology	RK19	C4 Technology
622213CY8RK19	2019	OPEN	CY8	Cyber Security App Research and Exper Partner Tech	RK19	C4 Technology
622213CY9RK19	2019	OPEN	CY9	Decoy and Deterrence Technology	RK19	C4 Technology

622270 EW Technology

Budget Line Item: 0602270A

622270442RK02	1992	OPEN	442	TACTICAL EW TECHNOLOGY	RK02	Force Protection Technology
622270442RK15	1992	OPEN	442	TACTICAL EW TECHNOLOGY	RK15	Intel, Surveillance & Recon (ISR) Technology
622270475RK01	2004	OPEN	475	ELECTRONIC WARFARE COMPONENT TECHNOLOGIES (CA)	RK01	Research-Technology Base
622270475RK15	2004	OPEN	475	ELECTRONIC WARFARE COMPONENT TECHNOLOGIES (CA)	RK15	Intel, Surveillance & Recon (ISR) Technology
622270475RK19	2004	OPEN	475	ELECTRONIC WARFARE COMPONENT TECHNOLOGIES (CA)	RK19	C4 Technology
622270906RK02	1992	OPEN	906	Tactical Electronic Warfare Applied Research	RK02	Force Protection Technology
622270906RK13	1992	OPEN	906	Tactical Electronic Warfare Applied Research	RK13	Air Platform Technology
622270906RK15	1992	OPEN	906	Tactical Electronic Warfare Applied Research	RK15	Intel, Surveillance & Recon (ISR) Technology
622270906RK19	1992	OPEN	906	Tactical Electronic Warfare Applied Research	RK19	C4 Technology
622270CYBFPCE	2019	OPEN	CYB	Applied Offensive Cyber	FPCE	Modernization Priority Network C3I
622270CYBRK19	2018	OPEN	CYB	Applied Offensive Cyber	RK19	C4 Technology

622303 Missile Technology

Budget Line Item: 0602303A

622303214RK02	1992	OPEN	214	Missile Technology	RK02	Force Protection Technology
622303214RK13	1992	2016	214	Missile Technology	RK13	Air Platform Technology
622303214RK16	1992	OPEN	214	Missile Technology	RK16	Lethality Technology
622303214RK17	1992	OPEN	214	Missile Technology	RK17	Ground Platform Technology
622303214RK19	1992	OPEN	214	Missile Technology	RK19	C4 Technology
622303223RK01	1999	OPEN	223	AERO-PROPULSION TECHNOLOGY	RK01	Research-Technology Base

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
622303223RK16	1999	OPEN	223	AERO-PROPULSION TECHNOLOGY	RK16	Lethality Technology
622303G04RK01	2003	OPEN	G04	AIR DEFENSE TECHNOLOGIES (CA)	RK01	Research-Technology Base
622303G04RK02	2003	OPEN	G04	AIR DEFENSE TECHNOLOGIES (CA)	RK02	Force Protection Technology
622303G05RK01	2003	OPEN	G05	MISSILE TECHNOLOGY INITIATIVES (CA)	RK01	Research-Technology Base
622303G05RK02	2003	OPEN	G05	MISSILE TECHNOLOGY INITIATIVES (CA)	RK02	Force Protection Technology
622303G05RK16	2003	OPEN	G05	MISSILE TECHNOLOGY INITIATIVES (CA)	RK16	Lethality Technology
622303G05RK17	2003	OPEN	G05	MISSILE TECHNOLOGY INITIATIVES (CA)	RK17	Ground Platform Technology
622307	**Advanced Weapons Technology**				**Budget Line Item:**	**0602307A**
622307042RK02	1999	OPEN	042	High Energy Laser Technology	RK02	Force Protection Technology
622307042RK16	1999	OPEN	042	High Energy Laser Technology	RK16	Lethality Technology
622307042RK17	1999	2016	042	High Energy Laser Technology	RK17	Ground Platform Technology
622307NA5RK01	2001	OPEN	NA5	Advanced Weapons Components (CA)	RK01	Research-Technology Base
622307NA5RK16	2001	OPEN	NA5	Advanced Weapons Components (CA)	RK16	Lethality Technology
622307NA5RK20	2001	OPEN	NA5	Advanced Weapons Components (CA)	RK20	Logistics Technology
622308	**Advanced Concepts and Simulation**				**Budget Line Item:**	**0602308A**
622308C90RK09	1993	OPEN	C90	Advanced Distributed Simulation	RK09	Soldier Technology
622308C90RK10	1993	2017	C90	Advanced Distributed Simulation	RK10	Unmanned Systems Technology
622308C90RK14	1993	2019	C90	Advanced Distributed Simulation	RK14	Advanced Simulation
622308C90RL07	1993	OPEN	C90	Advanced Distributed Simulation	RL07	Test and Evaluation Instrumentation
622308D02RK09	2000	OPEN	D02	Modeling & Simulation For Training And Design	RK09	Soldier Technology
622308D02RK14	2000	2019	D02	Modeling & Simulation For Training And Design	RK14	Advanced Simulation
622308D14RK01	2002	OPEN	D14	Advanced Modeling and Simulation Initiatives (CA)	RK01	Research-Technology Base
622308D14RK09	2002	OPEN	D14	Advanced Modeling and Simulation Initiatives (CA)	RK09	Soldier Technology
622308D14RK14	2002	2019	D14	Advanced Modeling and Simulation Initiatives (CA)	RK14	Advanced Simulation
622601	**Combat Vehicle and Automotive Technology**				**Budget Line Item:**	**0602601A**
622601C05RK02	1992	OPEN	C05	Armor Applied Research	RK02	Force Protection Technology
622601C05RK17	1992	OPEN	C05	Armor Applied Research	RK17	Ground Platform Technology
622601C05RK19	1992	OPEN	C05	Armor Applied Research	RK19	C4 Technology
622601H77RK17	1992	OPEN	H77	National Automotive Center	RK17	Ground Platform Technology
622601H77RK20	1992	OPEN	H77	National Automotive Center	RK20	Logistics Technology
622601H91RK02	1992	OPEN	H91	Ground Vehicle Technology	RK02	Force Protection Technology
622601H91RK09	1992	OPEN	H91	Ground Vehicle Technology	RK09	Soldier Technology
622601H91RK17	1992	OPEN	H91	Ground Vehicle Technology	RK17	Ground Platform Technology
622601H91RK20	1992	OPEN	H91	Ground Vehicle Technology	RK20	Logistics Technology

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
622601T26RK01	2000	OPEN	T26	Ground Vehicle Technologies (CA)	RK01	Research-Technology Base
622601T26RK02	2000	OPEN	T26	Ground Vehicle Technologies (CA)	RK02	Force Protection Technology
622601T26RK17	2000	OPEN	T26	Ground Vehicle Technologies (CA)	RK17	Ground Platform Technology
622601T26RK20	2000	OPEN	T26	Ground Vehicle Technologies (CA)	RK20	Logistics Technology
622601T31RK01	2006	OPEN	T31	NAT'L AUTO CENTER APP RES INIT (CA)	RK01	Research-Technology Base
622601T31RK02	2006	OPEN	T31	NAT'L AUTO CENTER APP RES INIT (CA)	RK02	Force Protection Technology
622601T31RK17	2006	OPEN	T31	NAT'L AUTO CENTER APP RES INIT (CA)	RK17	Ground Platform Technology
622601T31RK20	2006	OPEN	T31	NAT'L AUTO CENTER APP RES INIT (CA)	RK20	Logistics Technology

622618 Ballistics Technology

Budget Line Item: 0602618A

622618H03RK10	2000	2017	H03	ROBOTICS TECHNOLOGY	RK10	Unmanned Systems Technology
622618H75RK16	1992	OPEN	H75	ELECTRIC GUN TECHNOLOGY	RK16	Lethality Technology
622618H80RK02	1992	OPEN	H80	Survivability And Lethality Technology	RK02	Force Protection Technology
622618H80RK09	1992	OPEN	H80	Survivability And Lethality Technology	RK09	Soldier Technology
622618H80RK16	1992	OPEN	H80	Survivability And Lethality Technology	RK16	Lethality Technology
622618H80RK17	1992	OPEN	H80	Survivability And Lethality Technology	RK17	Ground Platform Technology
622618H80RK19	1992	OPEN	H80	Survivability And Lethality Technology	RK19	C4 Technology
622618HB1RK01	2003	OPEN	HB1	SURVIVABILITY AND LETHALITY TECHNOLOGIES (CA)	RK01	Research-Technology Base
622618HB1RK02	2003	OPEN	HB1	SURVIVABILITY AND LETHALITY TECHNOLOGIES (CA)	RK02	Force Protection Technology
622618HB1RK16	2003	OPEN	HB1	SURVIVABILITY AND LETHALITY TECHNOLOGIES (CA)	RK16	Lethality Technology
622618HB1RK17	2003	OPEN	HB1	SURVIVABILITY AND LETHALITY TECHNOLOGIES (CA)	RK17	Ground Platform Technology
622618HB1RK20	2003	OPEN	HB1	SURVIVABILITY AND LETHALITY TECHNOLOGIES (CA)	RK20	Logistics Technology

622622 Chemical, Smoke and Equipment Defeating Tech

Budget Line Item: 0602622A

622622552RK02	1992	OPEN	552	Smoke/Novel Effect Mun	RK02	Force Protection Technology
622622552RK17	1992	OPEN	552	Smoke/Novel Effect Mun	RK17	Ground Platform Technology
622622BA1RK01	2001	OPEN	BA1	Protection Technologies (CA)	RK01	Research-Technology Base
622622BA1RK02	2001	OPEN	BA1	Protection Technologies (CA)	RK02	Force Protection Technology

622623 Joint Service Small Arms Program (JSSAP)

Budget Line Item: 0602623A

622623H21RK09	1992	OPEN	H21	Jt Svc Sa Prog (JSSAP)	RK09	Soldier Technology
622623H21RK16	1992	OPEN	H21	Jt Svc Sa Prog (JSSAP)	RK16	Lethality Technology
622623S50RK01	2004	OPEN	S50	SMALL ARMS APPLIED RESEARCH (CA)	RK01	Research-Technology Base

622624 Weapons and Munitions Technology

Budget Line Item: 0602624A

622624H18RK02	1992	OPEN	H18	Weapons & Munitions Technologies	RK02	Force Protection Technology
622624H18RK09	1992	2016	H18	Weapons & Munitions Technologies	RK09	Soldier Technology
622624H18RK15	1992	OPEN	H18	Weapons & Munitions Technologies	RK15	Intel, Surveillance & Recon (ISR) Technology

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
622624H18RK16	1992	OPEN	H18	Weapons & Munitions Technologies	RK16	Lethality Technology
622624H18RK17	1992	OPEN	H18	Weapons & Munitions Technologies	RK17	Ground Platform Technology
622624H19RK02	1992	OPEN	H19	Asymmetric & Counter Measure Technologies	RK02	Force Protection Technology
622624H19RK09	1992	2016	H19	Asymmetric & Counter Measure Technologies	RK09	Soldier Technology
622624H19RK10	1992	2017	H19	Asymmetric & Counter Measure Technologies	RK10	Unmanned Systems Technology
622624H19RK15	1992	2016	H19	Asymmetric & Counter Measure Technologies	RK15	Intel, Surveillance & Recon (ISR) Technology
622624H19RK16	1992	OPEN	H19	Asymmetric & Counter Measure Technologies	RK16	Lethality Technology
622624H19RK17	1992	2016	H19	Asymmetric & Counter Measure Technologies	RK17	Ground Platform Technology
622624H1ARK01	2000	OPEN	H1A	WEAPONS & MUNITIONS TECH PROGRAM INITIATIVE (CA)	RK01	Research-Technology Base
622624H1ARK02	2000	OPEN	H1A	WEAPONS & MUNITIONS TECH PROGRAM INITIATIVE (CA)	RK02	Force Protection Technology
622624H1ARK11	2000	OPEN	H1A	WEAPONS & MUNITIONS TECH PROGRAM INITIATIVE (CA)	RK11	Military Eng & Environ Tech,Simulation & Computing
622624H1ARK15	2000	OPEN	H1A	WEAPONS & MUNITIONS TECH PROGRAM INITIATIVE (CA)	RK15	Intel, Surveillance & Recon (ISR) Technology
622624H1ARK16	2000	OPEN	H1A	WEAPONS & MUNITIONS TECH PROGRAM INITIATIVE (CA)	RK16	Lethality Technology
622624H1ARK17	2000	OPEN	H1A	WEAPONS & MUNITIONS TECH PROGRAM INITIATIVE (CA)	RK17	Ground Platform Technology
622624H1ARK19	2000	OPEN	H1A	WEAPONS & MUNITIONS TECH PROGRAM INITIATIVE (CA)	RK19	C4 Technology
622624H1ARK20	2000	OPEN	H1A	WEAPONS & MUNITIONS TECH PROGRAM INITIATIVE (CA)	RK20	Logistics Technology
622624H28RK02	1992	OPEN	H28	Warheads/Energetics Technologies	RK02	Force Protection Technology
622624H28RK09	1992	2016	H28	Warheads/Energetics Technologies	RK09	Soldier Technology
622624H28RK15	1992	OPEN	H28	Warheads/Energetics Technologies	RK15	Intel, Surveillance & Recon (ISR) Technology
622624H28RK16	1992	OPEN	H28	Warheads/Energetics Technologies	RK16	Lethality Technology
622624H28RK17	1992	OPEN	H28	Warheads/Energetics Technologies	RK17	Ground Platform Technology

622705 Electronics and Electronic Devices

Budget Line Item: 0602705A

622705EM4RK01	2001	OPEN	EM4	Electric Component Technologies (CA)	RK01	Research-Technology Base
622705EM4RK02	2001	OPEN	EM4	Electric Component Technologies (CA)	RK02	Force Protection Technology
622705EM4RK10	2001	2017	EM4	Electric Component Technologies (CA)	RK10	Unmanned Systems Technology
622705EM4RK15	2001	OPEN	EM4	Electric Component Technologies (CA)	RK15	Intel, Surveillance & Recon (ISR) Technology
622705EM4RK17	2001	OPEN	EM4	Electric Component Technologies (CA)	RK17	Ground Platform Technology
622705EM4RK19	2001	OPEN	EM4	Electric Component Technologies (CA)	RK19	C4 Technology
622705EM4RK20	2001	OPEN	EM4	Electric Component Technologies (CA)	RK20	Logistics Technology
622705EM6RK01	2003	OPEN	EM6	HEATING AND COOLING TECHNOLOGIES (CA)	RK01	Research-Technology Base
622705EM6RK20	2003	OPEN	EM6	HEATING AND COOLING TECHNOLOGIES (CA)	RK20	Logistics Technology
622705EM7RK01	2003	OPEN	EM7	POWER AND ENERGY COMPONENT TECHNOLOGIES (CA)	RK01	Research-Technology Base
622705EM7RK09	2003	OPEN	EM7	POWER AND ENERGY COMPONENT TECHNOLOGIES (CA)	RK09	Soldier Technology
622705EM7RK20	2003	OPEN	EM7	POWER AND ENERGY COMPONENT TECHNOLOGIES (CA)	RK20	Logistics Technology

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
622705EM8RK02	2009	OPEN	EM8	High Power And Energy Component Technology	RK02	Force Protection Technology
622705EM8RK15	2009	OPEN	EM8	High Power And Energy Component Technology	RK15	Intel, Surveillance & Recon (ISR) Technology
622705EM8RK16	2009	OPEN	EM8	High Power And Energy Component Technology	RK16	Lethality Technology
622705EM8RK17	2009	OPEN	EM8	High Power And Energy Component Technology	RK17	Ground Platform Technology
622705EM8RK19	2009	OPEN	EM8	High Power And Energy Component Technology	RK19	C4 Technology
622705EM8RK20	2009	OPEN	EM8	High Power And Energy Component Technology	RK20	Logistics Technology
622705H11RK09	1992	OPEN	H11	Tactical And Component Power Technology	RK09	Soldier Technology
622705H11RK11	1992	2016	H11	Tactical And Component Power Technology	RK11	Military Eng & Environ Tech,Simulation & Computing
622705H11RK13	1992	OPEN	H11	Tactical And Component Power Technology	RK13	Air Platform Technology
622705H11RK19	1992	OPEN	H11	Tactical And Component Power Technology	RK19	C4 Technology
622705H11RK20	1992	OPEN	H11	Tactical And Component Power Technology	RK20	Logistics Technology
622705H17RK15	2005	OPEN	H17	Flexible Display Center	RK15	Intel, Surveillance & Recon (ISR) Technology
622705H17RK19	2005	OPEN	H17	Flexible Display Center	RK19	C4 Technology
622705H94RK02	1992	OPEN	H94	Elec & Electronic Dev	RK02	Force Protection Technology
622705H94RK09	1992	OPEN	H94	Elec & Electronic Dev	RK09	Soldier Technology
622705H94RK13	1992	OPEN	H94	Elec & Electronic Dev	RK13	Air Platform Technology
622705H94RK15	1992	OPEN	H94	Elec & Electronic Dev	RK15	Intel, Surveillance & Recon (ISR) Technology
622705H94RK16	1992	2016	H94	Elec & Electronic Dev	RK16	Lethality Technology
622705H94RK17	1992	OPEN	H94	Elec & Electronic Dev	RK17	Ground Platform Technology
622705H94RK19	1992	OPEN	H94	Elec & Electronic Dev	RK19	C4 Technology
622705H94RK20	1992	OPEN	H94	Elec & Electronic Dev	RK20	Logistics Technology
622709	**Night Vision Technology**				**Budget Line Item: 0602709A**	
622709H95RK15	1992	OPEN	H95	Night Vision And Electro-Optic Technology	RK15	Intel, Surveillance & Recon (ISR) Technology
622709H95RK19	1992	OPEN	H95	Night Vision And Electro-Optic Technology	RK19	C4 Technology
622709K90RK01	2004	OPEN	K90	NIGHT VISION COMPONENT TECHNOLOGY (CA)	RK01	Research-Technology Base
622709K90RK02	2004	OPEN	K90	NIGHT VISION COMPONENT TECHNOLOGY (CA)	RK02	Force Protection Technology
622709K90RK15	2004	OPEN	K90	NIGHT VISION COMPONENT TECHNOLOGY (CA)	RK15	Intel, Surveillance & Recon (ISR) Technology
622709K90RK19	2004	OPEN	K90	NIGHT VISION COMPONENT TECHNOLOGY (CA)	RK19	C4 Technology
622712	**Countermine and Barrier Technology**				**Budget Line Item: 0602712A**	
622712H24RK02	1996	OPEN	H24	Countermine Tech	RK02	Force Protection Technology
622712H24RK17	1996	OPEN	H24	Countermine Tech	RK17	Ground Platform Technology
622712H35RK02	1996	OPEN	H35	Camouflage & Counter-Recon Tech	RK02	Force Protection Technology
622712H35RK19	1996	OPEN	H35	Camouflage & Counter-Recon Tech	RK19	C4 Technology
622712HB2RK01	2003	OPEN	HB2	COUNTERMINE COMPONENT TECHNOLOGY (CA)	RK01	Research-Technology Base

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
622712HB2RK02	2003	OPEN	HB2	COUNTERMINE COMPONENT TECHNOLOGY (CA)	RK02	Force Protection Technology
622712HB2RK17	2003	OPEN	HB2	COUNTERMINE COMPONENT TECHNOLOGY (CA)	RK17	Ground Platform Technology
622712HB2RK19	2003	OPEN	HB2	COUNTERMINE COMPONENT TECHNOLOGY (CA)	RK19	C4 Technology
622716	**Human Factors Engineering Technology**				**Budget Line Item:**	**0602716A**
622716H70RK09	1992	OPEN	H70	Human Fact Eng Sys Dev	RK09	Soldier Technology
622716H70RK10	1992	2017	H70	Human Fact Eng Sys Dev	RK10	Unmanned Systems Technology
622716H70RK15	1992	OPEN	H70	Human Fact Eng Sys Dev	RK15	Intel, Surveillance & Recon (ISR) Technology
622716H70RK19	1992	OPEN	H70	Human Fact Eng Sys Dev	RK19	C4 Technology
622716J21RK01	2004	OPEN	J21	HUMAN FACTORS APPLIED RESEARCH CA	RK01	Research-Technology Base
622716J21RK09	2004	OPEN	J21	HUMAN FACTORS APPLIED RESEARCH CA	RK09	Soldier Technology
622720	**Environmental Quality Technology**				**Budget Line Item:**	**0602720A**
622720048RK11	1992	OPEN	048	Ind Oper Poll Ctrl Tec	RK11	Military Eng & Environ Tech,Simulation & Computing
622720835RK02	1992	OPEN	835	Mil Med Environ Crit	RK02	Force Protection Technology
622720835RK11	1992	OPEN	835	Mil Med Environ Crit	RK11	Military Eng & Environ Tech,Simulation & Computing
622720895RK11	1992	OPEN	895	Pollution Prevention	RK11	Military Eng & Environ Tech,Simulation & Computing
622720896RK11	1992	OPEN	896	Base Fac Environ Qual	RK11	Military Eng & Environ Tech,Simulation & Computing
622720EM5RK11	2003	OPEN	EM5	ENVIRONMENTAL QUALITY APPLIED RSCH - AMC (CA)	RK11	Military Eng & Environ Tech,Simulation & Computing
622720F35RK11	2000	OPEN	F35	Environmental Quality Applied Research (CA)	RK11	Military Eng & Environ Tech,Simulation & Computing
622782	**Command, Control and Communications Technology**				**Budget Line Item:**	**0602782A**
622782779RK19	1992	OPEN	779	Command, Control And Platform Electronics Tech	RK19	C4 Technology
622782CY2FPCE	2019	OPEN	CY2	Applied Defensive Cyber	FPCE	Modernization Priority Network C3I
622782CY2RK19	2018	OPEN	CY2	Applied Defensive Cyber	RK19	C4 Technology
622782H92RK19	1992	OPEN	H92	Communications Technology	RK19	C4 Technology
622782TR9RK01	2004	OPEN	TR9	C3 COMPONENT TECHNOLOGY (CA)	RK01	Research-Technology Base
622782TR9RK19	2004	OPEN	TR9	C3 COMPONENT TECHNOLOGY (CA)	RK19	C4 Technology
622783	**Computer and Software Technology**				**Budget Line Item:**	**0602783A**
622783Y10RK02	1992	OPEN	Y10	Computer/Info Sci Tech	RK02	Force Protection Technology
622783Y10RK10	1992	2017	Y10	Computer/Info Sci Tech	RK10	Unmanned Systems Technology
622783Y10RK15	1992	OPEN	Y10	Computer/Info Sci Tech	RK15	Intel, Surveillance & Recon (ISR) Technology
622783Y10RK17	1992	OPEN	Y10	Computer/Info Sci Tech	RK17	Ground Platform Technology
622783Y10RK19	1992	OPEN	Y10	Computer/Info Sci Tech	RK19	C4 Technology
622783Y11RK01	2005	OPEN	Y11	COMPUTER & INFORMATION SCIENCE APPLIED RES CA	RK01	Research-Technology Base
622784	**Military Engineering Technology**				**Budget Line Item:**	**0602784A**
622784855FPCE	2019	OPEN	855	Topographical, Image Intel & Space	FPCE	Modernization Priority Network C3I

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
622784855RK19	1992	OPEN	855	Topographical, Image Intel & Space	RK19	C4 Technology
622784H71RK09	1992	OPEN	H71	Meteorological Research For Battle Command	RK09	Soldier Technology
622784H71RK15	1992	OPEN	H71	Meteorological Research For Battle Command	RK15	Intel, Surveillance & Recon (ISR) Technology
622784H71RK19	1992	OPEN	H71	Meteorological Research For Battle Command	RK19	C4 Technology
622784T40FPCE	2019	OPEN	T40	Mob/Wpns Eff Tech	FPCE	Modernization Priority Network C3I
622784T40RK02	1992	OPEN	T40	Mob/Wpns Eff Tech	RK02	Force Protection Technology
622784T40RK11	1992	OPEN	T40	Mob/Wpns Eff Tech	RK11	Military Eng & Environ Tech,Simulation & Computing
622784T40RK16	1992	OPEN	T40	Mob/Wpns Eff Tech	RK16	Lethality Technology
622784T40RK17	1992	OPEN	T40	Mob/Wpns Eff Tech	RK17	Ground Platform Technology
622784T40RK19	1992	OPEN	T40	Mob/Wpns Eff Tech	RK19	C4 Technology
622784T40RK20	1992	OPEN	T40	Mob/Wpns Eff Tech	RK20	Logistics Technology
622784T41FPCE	2019	OPEN	T41	Mil Facilities Eng Tec	FPCE	Modernization Priority Network C3I
622784T41RK02	1992	OPEN	T41	Mil Facilities Eng Tec	RK02	Force Protection Technology
622784T41RK09	1992	OPEN	T41	Mil Facilities Eng Tec	RK09	Soldier Technology
622784T41RK11	1992	OPEN	T41	Mil Facilities Eng Tec	RK11	Military Eng & Environ Tech,Simulation & Computing
622784T41RK19	1992	OPEN	T41	Mil Facilities Eng Tec	RK19	C4 Technology
622784T42FPCE	2019	OPEN	T42	Terrestrial Science Applied Research	FPCE	Modernization Priority Network C3I
622784T42RK02	1992	OPEN	T42	Terrestrial Science Applied Research	RK02	Force Protection Technology
622784T42RK17	1992	OPEN	T42	Terrestrial Science Applied Research	RK17	Ground Platform Technology
622784T42RK19	1992	OPEN	T42	Terrestrial Science Applied Research	RK19	C4 Technology
622784T42RK20	1992	OPEN	T42	Terrestrial Science Applied Research	RK20	Logistics Technology
622784T45RK11	1992	OPEN	T45	Energy Tec Apl Mil Fac	RK11	Military Eng & Environ Tech,Simulation & Computing
622784T45RK19	1992	OPEN	T45	Energy Tec Apl Mil Fac	RK19	C4 Technology
622784T48RK01	1997	OPEN	T48	Center for Geosciences & Atmospheric Research	RK01	Research-Technology Base
622784T48RK11	1997	OPEN	T48	Center for Geosciences & Atmospheric Research	RK11	Military Eng & Environ Tech,Simulation & Computing
622784T53RK01	2000	OPEN	T53	Military Engineering Applied Research (CA)	RK01	Research-Technology Base
622784T53RK11	2000	OPEN	T53	Military Engineering Applied Research (CA)	RK11	Military Eng & Environ Tech,Simulation & Computing
622784T53RK20	2000	OPEN	T53	Military Engineering Applied Research (CA)	RK20	Logistics Technology

622785 Manpower, Personnel and Training Technology

Budget Line Item: 0602785A

622785790RK09	1992	OPEN	790	Personnel Performance & Training Technology	RK09	Soldier Technology
622785790RK14	1992	2019	790	Personnel Performance & Training Technology	RK14	Advanced Simulation
622785790RK19	1992	OPEN	790	Personnel Performance & Training Technology	RK19	C4 Technology

622786 Warfighter Technology

Budget Line Item: 0602786A

622786283RK09	1992	OPEN	283	Airdrop Adv Tech	RK09	Soldier Technology

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
622786283RK20	1992	OPEN	283	Airdrop Adv Tech	RK20	Logistics Technology
622786E01RK01	2002	OPEN	E01	Warfighter Technology Initiatives (CA)	RK01	Research-Technology Base
622786E01RK02	2002	OPEN	E01	Warfighter Technology Initiatives (CA)	RK02	Force Protection Technology
622786E01RK09	2002	OPEN	E01	Warfighter Technology Initiatives (CA)	RK09	Soldier Technology
622786E01RK20	2002	OPEN	E01	Warfighter Technology Initiatives (CA)	RK20	Logistics Technology
622786H98RK02	1992	OPEN	H98	Clothing & Equipm Tech	RK02	Force Protection Technology
622786H98RK09	1992	OPEN	H98	Clothing & Equipm Tech	RK09	Soldier Technology
622786H99RK09	1992	OPEN	H99	Joint Service Combat Feeding Technology	RK09	Soldier Technology
622786VT4RK02	2011	OPEN	VT4	Expeditionary Mobile Base Camp Technology	RK02	Force Protection Technology
622786VT4RK09	2011	OPEN	VT4	Expeditionary Mobile Base Camp Technology	RK09	Soldier Technology
622786XW5RK09	2018	OPEN	XW5	Small Unit Expeditionary Maneuver Technology	RK09	Soldier Technology

622787 Medical Technology

Budget Line Item: 0602787A

622787869RK01	1992	OPEN	869	Warfighter Health Prot & Perf Stnds	RK01	Research-Technology Base
622787869RK02	1992	OPEN	869	Warfighter Health Prot & Perf Stnds	RK02	Force Protection Technology
622787869RK03	1992	OPEN	869	Warfighter Health Prot & Perf Stnds	RK03	Medical Technology
622787869RK09	1992	OPEN	869	Warfighter Health Prot & Perf Stnds	RK09	Soldier Technology
622787870RK01	1992	OPEN	870	Dod Med Def Ag Inf Dis	RK01	Research-Technology Base
622787870RK03	1992	OPEN	870	Dod Med Def Ag Inf Dis	RK03	Medical Technology
622787870RK09	1992	OPEN	870	Dod Med Def Ag Inf Dis	RK09	Soldier Technology
622787873RK01	1992	OPEN	873	HIV Exploratory Rsch	RK01	Research-Technology Base
622787873RK03	1992	OPEN	873	HIV Exploratory Rsch	RK03	Medical Technology
622787873RK09	1992	2016	873	HIV Exploratory Rsch	RK09	Soldier Technology
622787874RK01	1992	OPEN	874	Cbt Casualty Care Tech	RK01	Research-Technology Base
622787874RK03	1992	OPEN	874	Cbt Casualty Care Tech	RK03	Medical Technology
622787874RK09	1992	OPEN	874	Cbt Casualty Care Tech	RK09	Soldier Technology
622787878RK02	1992	OPEN	878	HLTH HAZ MIL MATERIEL	RK02	Force Protection Technology
622787878RK03	1992	OPEN	878	HLTH HAZ MIL MATERIEL	RK03	Medical Technology
622787879RK03	1992	OPEN	879	MED FACT ENH SOLD EFF	RK03	Medical Technology
622787968RK01	1999	OPEN	968	SYNCH BASED HI ENERGY RADIATION BEAM CANCER DETECT	RK01	Research-Technology Base
622787968RK03	1999	OPEN	968	SYNCH BASED HI ENERGY RADIATION BEAM CANCER DETECT	RK03	Medical Technology
622787ET4RK03	2016	OPEN	ET4	Appl Resch in Clinical and Rehabilitative Medicine	RK03	Medical Technology
622787FH2RK03	2005	OPEN	FH2	Force Health Protection - Applied Research	RK03	Medical Technology
622787FH2RK09	2005	2016	FH2	Force Health Protection - Applied Research	RK09	Soldier Technology
622787MK4RK03	2019	OPEN	MK4	Warfigher Health Applied Rsch Technology	RK03	Medical Technology

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
622787MM4RK0	2019	OPEN	MM4	Cbt Casualty Care Applied Rsch Technology	RK03	Medical Technology
622787MM6RK0	2019	OPEN	MM6	Medical Technologies to Support Dispersed Ops Tech	RK03	Medical Technology
622787MM8RK0	2019	OPEN	MM8	Infectious Diseases and Applied Rsch Technology	RK03	Medical Technology
622787MN1RK03	2019	OPEN	MN1	Applied Sensory Systems Trauma Technology	RK03	Medical Technology
622787PA4RK03	2003	OPEN	PA4	WOUND HEALING PROJECT (CA)	RK03	Medical Technology
622787PA5RK01	2003	OPEN	PA5	NANOFABRICATED BIOARTIFICIAL KIDNEY (CA)	RK01	Research-Technology Base
622787UA8RK03	2004	OPEN	UA8	PROTEIN HYDROGEL (CA)	RK03	Medical Technology
622787VB3RK01	2005	OPEN	VB3	MEDICAL TECHNOLOGY INITIATIVES (CA)	RK01	Research-Technology Base
622787VB3RK03	2005	OPEN	VB3	MEDICAL TECHNOLOGY INITIATIVES (CA)	RK03	Medical Technology
622787VB4RK03	2009	OPEN	VB4	System Biology And Network Science Technology	RK03	Medical Technology
622787VB4RK09	2009	2016	VB4	System Biology And Network Science Technology	RK09	Soldier Technology
622787VJ4RK01	2008	OPEN	VJ4	Suicide Prevention/Mitigation	RK01	Research-Technology Base
622787VJ4RK03	2008	OPEN	VJ4	Suicide Prevention/Mitigation	RK03	Medical Technology
622787VJ4RK09	2008	2016	VJ4	Suicide Prevention/Mitigation	RK09	Soldier Technology
622787X04RK03	2003	OPEN	X04	MOLECULAR GENETICS & MUSCULOSKELETAL RESEARCH (CA)	RK03	Medical Technology
622787X05RK03	2004	OPEN	X05	MOLECULAR GENETICS & MUSCULOSKELETAL RESEARCH(CA)	RK03	Medical Technology
622787X06RK01	2004	OPEN	X06	HIBERNATION GENOMICS	RK01	Research-Technology Base
622787XV5RK03	2018	OPEN	XV5	Medical Capabilities to Support Dispersed Ops	RK03	Medical Technology

03 Advanced Technology Development

633001 Warfighter Advanced Technology

Budget Line Item: 0603001A

633001242RK09	1992	OPEN	242	Airdrop Equipment	RK09	Soldier Technology
633001242RK20	1992	OPEN	242	Airdrop Equipment	RK20	Logistics Technology
633001543RK16	1992	OPEN	543	Ammunition Logistics	RK16	Lethality Technology
633001543RK17	1992	OPEN	543	Ammunition Logistics	RK17	Ground Platform Technology
633001543RK20	1992	OPEN	543	Ammunition Logistics	RK20	Logistics Technology
633001C07RK09	1992	OPEN	C07	Joint Service Combat Feeding Tech Demo	RK09	Soldier Technology
633001FF6RK09	2017	OPEN	FF6	Individual Protection	RK09	Soldier Technology
633001J50RK02	1992	OPEN	J50	Future Warrior Technology Integration	RK02	Force Protection Technology
633001J50RK09	1992	OPEN	J50	Future Warrior Technology Integration	RK09	Soldier Technology
633001J52RK09	2003	OPEN	J52	WARFIGHTER ADVANCED TECHNOLOGY INITIATIVES (CA)	RK09	Soldier Technology
633001J52RK20	2003	OPEN	J52	WARFIGHTER ADVANCED TECHNOLOGY INITIATIVES (CA)	RK20	Logistics Technology
633001VT5RK02	2011	OPEN	VT5	Expeditionary Mobile Base Camp Demonstration	RK02	Force Protection Technology
633001VT5RK09	2011	OPEN	VT5	Expeditionary Mobile Base Camp Demonstration	RK09	Soldier Technology
633001XW6RK09	2018	OPEN	XW6	Small Unit Expeditionary Maneuver	RK09	Soldier Technology

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
633002	**Medical Advanced Technology**					**Budget Line Item: 0603002A**
633002800RK03	1992	OPEN	800	TELEMEDICINE TESTBED	RK03	Medical Technology
633002804RK03	1992	OPEN	804	PROSTATE CANCER RSCH	RK03	Medical Technology
633002810FL8D	1992	OPEN	810	Ind Base Id Vacc&Drug	FL8D	Combat Support Medical
633002810RK01	1992	OPEN	810	Ind Base Id Vacc&Drug	RK01	Research-Technology Base
633002810RK03	1992	OPEN	810	Ind Base Id Vacc&Drug	RK03	Medical Technology
633002810RK09	1992	OPEN	810	Ind Base Id Vacc&Drug	RK09	Soldier Technology
633002814RK03	1992	OPEN	814	NEUROFIBROMATOSIS (CA)	RK03	Medical Technology
633002819RK03	1992	OPEN	819	FLD MED PROT/HUM PERF	RK03	Medical Technology
633002840FL8D	1992	OPEN	840	Combat Injury Mgmt	FL8D	Combat Support Medical
633002840RK03	1992	OPEN	840	Combat Injury Mgmt	RK03	Medical Technology
633002840RK09	1992	OPEN	840	Combat Injury Mgmt	RK09	Soldier Technology
633002938RK03	1997	OPEN	938	Tissue Engineering	RK03	Medical Technology
633002945RK03	1998	OPEN	945	BREAST CANCER STAMP PROCEEDS	RK03	Medical Technology
633002955RK03	1998	OPEN	955	ASSISTIVE TECHNOLOGY	RK03	Medical Technology
63300297ARK03	2000	OPEN	97A	BIOSENSOR RESEARCH	RK03	Medical Technology
63300297BRK03	2000	OPEN	97B	BLOOD SAFETY	RK03	Medical Technology
63300297DRK03	2000	OPEN	97D	CENTER FOR AGING EYE	RK03	Medical Technology
63300297TRK03	2000	OPEN	97T	NEUROTOXIN EXPOSURE TREATMENT (CA)	RK03	Medical Technology
633002ET5RK03	2016	OPEN	ET5	Adv Tech Dev in Clinical & Rehabilitative Medicine	RK03	Medical Technology
633002FH4RK03	2005	OPEN	FH4	Force Health Protection - Adv Tech Dev	RK03	Medical Technology
633002FH4RK09	2005	2016	FH4	Force Health Protection - Adv Tech Dev	RK09	Soldier Technology
633002MB1RK03	2001	OPEN	MB1	ADV DIAGNOSTICS & THERAPEUTIC DIG TECH	RK03	Medical Technology
633002MB2RK03	2001	OPEN	MB2	BRAIN, BIOLOGY, AND MACHINE	RK03	Medical Technology
633002MB3RK03	2001	OPEN	MB3	CENTER FOR INTEGRATION OF MEDICINE & INNOV TECH	RK03	Medical Technology
633002MB4RK03	2001	OPEN	MB4	CENTER FOR UNTETHERED HEALTHCARE	RK03	Medical Technology
633002MG4RK03	2019	OPEN	MG4	Tech Base/Enabling Res in Mil Occup Med Adv Tech	RK03	Medical Technology
633002MG5RK03	2003	OPEN	MG5	NATIONAL FUNCTIONAL GENOMICS CENTER (CA)	RK03	Medical Technology
633002MG7RK03	2003	OPEN	MG7	ON-LINE MEDICAL TRAINING (CA)	RK03	Medical Technology
633002MI4RK03	2004	OPEN	MI4	ALLIANCE FOR NANOHEALTH (CA)	RK03	Medical Technology
633002MJ2RK03	2004	OPEN	MJ2	FIBRINOGEN BANDAGES FOR BATTLEFIELD WOUNDS (CA)	RK03	Medical Technology
633002MK1RK03	2004	OPEN	MK1	MEDICAL M&S THROUGH SYNTHETIC DIGITAL GENES (CA)	RK03	Medical Technology
633002MK8RK03	2004	OPEN	MK8	PLASMA STERILIZER (CA)	RK03	Medical Technology
633002ML3RK03	2004	OPEN	ML3	SOLDIER-MOUNTED EYE-TRACKING & CONTROL SYSTEM (CA)	RK03	Medical Technology

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
633002MM1RK0	2004	OPEN	MM1	WEIGHT MEASUREMENTS & STANDARDS FOR MIL PERSONNEL	RK03	Medical Technology
633002MM2RK0	2005	OPEN	MM2	MEDICAL ADVANCE TECHNOLOGY INITIATIVES (CA)	RK03	Medical Technology
633002MM3RK0	2009	OPEN	MM3	Warfighter Medical Protection & Performance	RK03	Medical Technology
633002MM3RK0	2009	2017	MM3	Warfighter Medical Protection & Performance	RK09	Soldier Technology
633002MM5RK0	2019	OPEN	MM5	Tech Base/Enabling Res Combat Cas Care Adv Tech	RK03	Medical Technology
633002MM7RK0	2019	OPEN	MM7	Enabling Med Cap to Support Dispersed OPS Adv Tech	RK03	Medical Technology
633002MM9RK0	2019	OPEN	MM9	Tech Base/Enabling Rsrch for Infect Dis Adv Tech	RK03	Medical Technology
633002MN3RK03	2019	OPEN	MN3	Immediate Cardiopulmonary Stabilization Adv Tech	RK03	Medical Technology
633002MN4RK03	2019	OPEN	MN4	Advanced Life Support Advanced Technology	RK03	Medical Technology
633002MN5RK03	2019	OPEN	MN5	Next Generation Blood Products Advanced Technology	RK03	Medical Technology
633002MN6RK03	2019	OPEN	MN6	Blast & Head Impact Exposure Monitor Advanced Tech	RK03	Medical Technology
633002MN7RK03	2019	OPEN	MN7	Musculoskeletal Injury Screening Tool Adv Tech	RK03	Medical Technology
633002MN8RK03	2019	OPEN	MN8	Drugs to Prevent and Treat Malaria Advanced Tech	RK03	Medical Technology
633002MN9RK03	2019	OPEN	MN9	Far Forward Behavioral Health Care Advanced Tech	RK03	Medical Technology
633002MO2RK03	2019	OPEN	MO2	Traumatic Brain Injury (TBI) Treatment Adv Tech	RK03	Medical Technology
633002MO3RK03	2019	OPEN	MO3	Military Occupational Fitness Standards Adv Tech	RK03	Medical Technology
633002MO4RK03	2019	OPEN	MO4	Burn Recovery Optimization Advanced Technology	RK03	Medical Technology
633002MO7RK03	2019	OPEN	MO7	Improved Bone Repair Advanced Technology	RK03	Medical Technology
633002MO8RK03	2019	OPEN	MO8	Expeditionary Performance Nutrition Advanced Techn	RK03	Medical Technology
633002MO9RK03	2019	OPEN	MO9	Vaccines to Prevent Dengue Fever Advanced Tech	RK03	Medical Technology

633003 Aviation Advanced Technology

Budget Line Item: 0603003A

633003313RK13	1992	OPEN	313	Adv Rotarywing Veh Tech	RK13	Air Platform Technology
633003435RK13	1992	OPEN	435	AIRCRAFT WEAPONS	RK13	Air Platform Technology
633003436RK10	1992	2017	436	Rotarywing MEP Integ	RK10	Unmanned Systems Technology
633003436RK13	1992	OPEN	436	Rotarywing MEP Integ	RK13	Air Platform Technology
633003447RK13	1992	OPEN	447	ACFT Demo Engines	RK13	Air Platform Technology
633003BA7RK09	2003	OPEN	BA7	AVIATION ADVANCED TECHNOLOGY INITIATIVES (CA)	RK09	Soldier Technology
633003BA7RK10	2003	2017	BA7	AVIATION ADVANCED TECHNOLOGY INITIATIVES (CA)	RK10	Unmanned Systems Technology
633003BA7RK13	2003	OPEN	BA7	AVIATION ADVANCED TECHNOLOGY INITIATIVES (CA)	RK13	Air Platform Technology

633004 Weapons and Munitions Advanced Technology

Budget Line Item: 0603004A

633004232FPCA	2019	OPEN	232	Advanced Lethality & Survivability Demo	FPCA	Modernization Priority Long Range Precision Fires
633004232RK02	1992	OPEN	232	Advanced Lethality & Survivability Demo	RK02	Force Protection Technology
633004232RK09	1992	OPEN	232	Advanced Lethality & Survivability Demo	RK09	Soldier Technology
633004232RK16	1992	OPEN	232	Advanced Lethality & Survivability Demo	RK16	Lethality Technology

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
633004232RK17	1992	OPEN	232	Advanced Lethality & Survivability Demo	RK17	Ground Platform Technology
633004232RK20	1992	OPEN	232	Advanced Lethality & Survivability Demo	RK20	Logistics Technology
63300443AFPCA	2019	OPEN	43A	ADV WEAPONRY TECH DEMO (CA)	FPCA	Modernization Priority Long Range Precision Fires
63300443ARK02	1992	OPEN	43A	ADV WEAPONRY TECH DEMO (CA)	RK02	Force Protection Technology
63300443ARK10	1992	2017	43A	ADV WEAPONRY TECH DEMO (CA)	RK10	Unmanned Systems Technology
63300443ARK16	1992	OPEN	43A	ADV WEAPONRY TECH DEMO (CA)	RK16	Lethality Technology
63300443ARK17	1992	OPEN	43A	ADV WEAPONRY TECH DEMO (CA)	RK17	Ground Platform Technology
63300443ARK20	1992	OPEN	43A	ADV WEAPONRY TECH DEMO (CA)	RK20	Logistics Technology
633004L94RK16	1992	OPEN	L94	ELECTRIC GUN SYS DEMO	RK16	Lethality Technology
633004L96FPCA	2019	OPEN	L96	High Energy Laser Technology Demo	FPCA	Modernization Priority Long Range Precision Fires
633004L96RK02	2004	OPEN	L96	High Energy Laser Technology Demo	RK02	Force Protection Technology
633004L96RK16	2004	OPEN	L96	High Energy Laser Technology Demo	RK16	Lethality Technology
633004L96RK17	2004	2016	L96	High Energy Laser Technology Demo	RK17	Ground Platform Technology
633004L97FPCA	2019	OPEN	L97	Smoke And Obscurants Advanced Technology	FPCA	Modernization Priority Long Range Precision Fires
633004L97RK02	2005	OPEN	L97	Smoke And Obscurants Advanced Technology	RK02	Force Protection Technology
633004L97RK17	2005	OPEN	L97	Smoke And Obscurants Advanced Technology	RK17	Ground Platform Technology

633005 Combat Vehicle and Automotive Advanced Tech

Budget Line Item: 0603005A

633005221RK02	1992	OPEN	221	Combat Veh Survivablty	RK02	Force Protection Technology
633005221RK17	1992	OPEN	221	Combat Veh Survivablty	RK17	Ground Platform Technology
633005221RK19	1992	OPEN	221	Combat Veh Survivablty	RK19	C4 Technology
633005221RK20	1992	OPEN	221	Combat Veh Survivablty	RK20	Logistics Technology
633005441RK01	1992	OPEN	441	Combat Vehicle Mobilty	RK01	Research-Technology Base
633005441RK02	1992	OPEN	441	Combat Vehicle Mobilty	RK02	Force Protection Technology
633005441RK17	1992	OPEN	441	Combat Vehicle Mobilty	RK17	Ground Platform Technology
633005441RK20	1992	OPEN	441	Combat Vehicle Mobilty	RK20	Logistics Technology
633005497RK02	1992	OPEN	497	Combat Vehicle Electro	RK02	Force Protection Technology
633005497RK09	1992	OPEN	497	Combat Vehicle Electro	RK09	Soldier Technology
633005497RK17	1992	OPEN	497	Combat Vehicle Electro	RK17	Ground Platform Technology
633005497RK20	1992	OPEN	497	Combat Vehicle Electro	RK20	Logistics Technology
633005515RK10	2000	2017	515	Robotic Ground Systems	RK10	Unmanned Systems Technology
633005515RK17	2000	OPEN	515	Robotic Ground Systems	RK17	Ground Platform Technology
633005533RK02	1999	OPEN	533	Ground Vehicle Demonstrations (CA)	RK02	Force Protection Technology
633005533RK10	1999	2017	533	Ground Vehicle Demonstrations (CA)	RK10	Unmanned Systems Technology
633005533RK17	1999	OPEN	533	Ground Vehicle Demonstrations (CA)	RK17	Ground Platform Technology

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
633005533RK20	1999	OPEN	533	Ground Vehicle Demonstrations (CA)	RK20	Logistics Technology
63300553DRK17	2000	OPEN	53D	NAC Demonstration Initiatives (CA)	RK17	Ground Platform Technology
63300553DRK20	2000	OPEN	53D	NAC Demonstration Initiatives (CA)	RK20	Logistics Technology
63300553GRK10	2001	2017	53G	FUTURE COMBAT SYSTEMS (FCS)	RK10	Unmanned Systems Technology
633005C66RK12	1998	OPEN	C66	DC66	RK12	Classified Technology
633006	**Space Applications Technology**				**Budget Line Item:**	**0603006A**
633006257RK09	1992	OPEN	257	DIGITAL BATTLEFLD COMM (CA)	RK09	Soldier Technology
633006257RK19	1992	OPEN	257	DIGITAL BATTLEFLD COMM (CA)	RK19	C4 Technology
633006592FPCE	2019	OPEN	592	Space Application Tech	FPCE	Modernization Priority Network C3I
633006592RK15	1992	OPEN	592	Space Application Tech	RK15	Intel, Surveillance & Recon (ISR) Technology
633006592RK19	1992	OPEN	592	Space Application Tech	RK19	C4 Technology
633006DF7RK12	2007	OPEN	DF7	DF7	RK12	Classified Technology
633007	**Manpower, Personnel and Training Advanced Tech**				**Budget Line Item:**	**0603007A**
633007792RK09	1992	OPEN	792	Personnel Performance & Training	RK09	Soldier Technology
633008	**Command, Control and Communications Technology**				**Budget Line Item:**	**0603008A**
633008TR1RK12	2002	OPEN	TR1	TAC C4 Technology Int	RK12	Classified Technology
633008TR1RK19	2002	OPEN	TR1	TAC C4 Technology Int	RK19	C4 Technology
633008TR2RK12	2002	OPEN	TR2	Secure Tactical Information Integration	RK12	Classified Technology
633008TR2RK15	2002	OPEN	TR2	Secure Tactical Information Integration	RK15	Intel, Surveillance & Recon (ISR) Technology
633008TR2RK19	2002	OPEN	TR2	Secure Tactical Information Integration	RK19	C4 Technology
633008TR8RK19	2003	OPEN	TR8	C3 DEMONSTRATIONS (CA)	RK19	C4 Technology
633009	**Tractor Hike**				**Budget Line Item:**	**0603009A**
633009B18RK12	1992	OPEN	B18	DB18	RK12	Classified Technology
633009B31RK12	1998	OPEN	B31	DB31	RK12	Classified Technology
633009FH1RK12	2017	OPEN	FH1	Tractor Hike	RK12	Classified Technology
633015	**Next Generation Training and Simulation Systems**				**Budget Line Item:**	**0603015A**
633015HB5RK14	2003	2019	HB5	IMMERSIVE ENVIRONMENTS DEMONSTRATIONS (CA)	RK14	Advanced Simulation
633015HB5RK19	2003	OPEN	HB5	IMMERSIVE ENVIRONMENTS DEMONSTRATIONS (CA)	RK19	C4 Technology
633015S28RK09	2002	OPEN	S28	Immersive Learning Environments	RK09	Soldier Technology
633015S28RK14	2002	2019	S28	Immersive Learning Environments	RK14	Advanced Simulation
633015S29RK09	2002	OPEN	S29	Modeling & Simulation - Adv Tech Dev	RK09	Soldier Technology
633015S29RK14	2002	2019	S29	Modeling & Simulation - Adv Tech Dev	RK14	Advanced Simulation
633015S31RK09	2002	OPEN	S31	Modeling And Simulation Infrastructure Technology	RK09	Soldier Technology
633015S31RK14	2002	2019	S31	Modeling And Simulation Infrastructure Technology	RK14	Advanced Simulation

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
633015S33RK14	2003	2019	S33	TRAINING AND SIMULATION SYSTEMS INITIATIVES (CA)	RK14	Advanced Simulation
633015S33RK19	2003	OPEN	S33	TRAINING AND SIMULATION SYSTEMS INITIATIVES (CA)	RK19	C4 Technology
633020	**Tractor Rose**				**Budget Line Item:**	**0603020A**
633020B84RK12	1998	OPEN	B84	DB84	RK12	Classified Technology
633020B96RK12	2002	OPEN	B96	DB96	RK12	Classified Technology
633020DB1RK12	2008	OPEN	DB1	DDB1	RK12	Classified Technology
633103	**Explosive Demilitarization Technology**				**Budget Line Item:**	**0603103A**
633103D51RK11	2003	OPEN	D51	Explosives Demil Tech	RK11	Military Eng & Environ Tech,Simulation & Computing
633103D91RK16	2006	OPEN	D91	EXPLOSIVE DEMIL DEMONSTRATIONS	RK16	Lethality Technology
633105	**Military HIV Research**				**Budget Line Item:**	**0603105A**
633105H29RK03	1992	OPEN	H29	Med Protect Agnst Hiv	RK03	Medical Technology
633105H29RK09	1992	2016	H29	Med Protect Agnst Hiv	RK09	Soldier Technology
633105T16RK03	2006	OPEN	T16	MILITARY HIV INITIATIVES CA	RK03	Medical Technology
633116	**Lethality Advanced Technology**				**Budget Line Item:**	**0603116A**
633116AI3FPCA	2019	OPEN	AI3	Rapid Risk Analysis of Fires Advanced Technology	FPCA	Modernization Priority Long Range Precision Fires
633117	**Army Advanced Technology Development**				**Budget Line Item:**	**0603117A**
633117BS2RK24	2019	OPEN	BS2	Army Advanced Technology Development	RK24	S&T Leadership Initiatives
633118	**Soldier Lethality Advanced Technology**				**Budget Line Item:**	**0603118A**
633118AY5FPCD	2019	OPEN	AY5	Soldier Squad Small Arms Armaments Advanced Tech	FPCD	Modernization Priority Soldier Lethality
633118AY5RK09	2019	OPEN	AY5	Soldier Squad Small Arms Armaments Advanced Tech	RK09	Soldier Technology
633118AY7FPCD	2019	OPEN	AY7	Small Arms Fire Control Advanced Technology	FPCD	Modernization Priority Soldier Lethality
633118AY7RK09	2019	OPEN	AY7	Small Arms Fire Control Advanced Technology	RK09	Soldier Technology
633118AY9FPCD	2019	OPEN	AY9	Body Armor & Integrated Headborne Advanced Tech	FPCD	Modernization Priority Soldier Lethality
633118AY9RK09	2019	OPEN	AY9	Body Armor & Integrated Headborne Advanced Tech	RK09	Soldier Technology
633118AZ6FPCD	2019	OPEN	AZ6	Soldier Signature Management Advanced Technology	FPCD	Modernization Priority Soldier Lethality
633118AZ6RK09	2019	OPEN	AZ6	Soldier Signature Management Advanced Technology	RK09	Soldier Technology
633118AZ8FPCD	2019	OPEN	AZ8	Soldier Squad Small Arms Armaments Adv Tech	FPCD	Modernization Priority Soldier Lethality
633118AZ8RK09	2019	OPEN	AZ8	Soldier Squad Small Arms Armaments Adv Tech	RK09	Soldier Technology
633118BB3FPCD	2019	OPEN	BB3	Dismounted Soldier Survivability Equip/Tech Integ	FPCD	Modernization Priority Soldier Lethality
633118BB3RK09	2019	OPEN	BB3	Dismounted Soldier Survivability Equip/Tech Integ	RK09	Soldier Technology
633118BB6FPCD	2019	OPEN	BB6	Physical Augmentation: Adv Tech for Field Demo	FPCD	Modernization Priority Soldier Lethality
633118BB6RK09	2019	OPEN	BB6	Physical Augmentation: Adv Tech for Field Demo	RK09	Soldier Technology
633118BB8FPCD	2019	OPEN	BB8	Soldier Centric Advanced Technology	FPCD	Modernization Priority Soldier Lethality
633118BB8RK09	2019	OPEN	BB8	Soldier Centric Advanced Technology	RK09	Soldier Technology

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
633118BC1FPCD	2019	OPEN	BC1	Human Performance AdvTech for Mobility & Lethality	FPCD	Modernization Priority Soldier Lethality
633118BC1RK09	2019	OPEN	BC1	Human Performance AdvTech for Mobility & Lethality	RK09	Soldier Technology
633118BC4FPCD	2019	OPEN	BC4	Soldier Decision Making&Comms Performance AdvTech	FPCD	Modernization Priority Soldier Lethality
633118BC4RK09	2019	OPEN	BC4	Soldier Decision Making&Comms Performance AdvTech	RK09	Soldier Technology
633118BC8FPCD	2019	OPEN	BC8	Training Advanced Technology (Other than STE)	FPCD	Modernization Priority Soldier Lethality
633118BC8RK09	2019	OPEN	BC8	Training Advanced Technology (Other than STE)	RK09	Soldier Technology
633118BC9FPCD	2019	OPEN	BC9	Adv Soldier Sensors/Displays AdvTech for Dismounts	FPCD	Modernization Priority Soldier Lethality
633118BC9RK09	2019	OPEN	BC9	Adv Soldier Sensors/Displays AdvTech for Dismounts	RK09	Soldier Technology
633118BD7FPCD	2019	OPEN	BD7	Soldier Sys Interfaces/Integration-Sensor AdvTech	FPCD	Modernization Priority Soldier Lethality
633118BD7RK09	2019	OPEN	BD7	Soldier Sys Interfaces/Integration-Sensor AdvTech	RK09	Soldier Technology
633118BD9FPCD	2019	OPEN	BD9	Soldier & Sm Unit Tactical Energy AdvTech	FPCD	Modernization Priority Soldier Lethality
633118BD9RK09	2019	OPEN	BD9	Soldier & Sm Unit Tactical Energy AdvTech	RK09	Soldier Technology
633118BE2FPCD	2019	OPEN	BE2	Joint Service Combat Feeding Advanced Technology	FPCD	Modernization Priority Soldier Lethality
633118BE2RK09	2019	OPEN	BE2	Joint Service Combat Feeding Advanced Technology	RK09	Soldier Technology
633118BE5FPCD	2019	OPEN	BE5	Personnel & Airdrop Safety Advanced Technology	FPCD	Modernization Priority Soldier Lethality
633118BE5RK09	2019	OPEN	BE5	Personnel & Airdrop Safety Advanced Technology	RK09	Soldier Technology
633118BE9FPCD	2019	OPEN	BE9	STE Advanced Technology	FPCD	Modernization Priority Soldier Lethality
633118BE9RK09	2019	OPEN	BE9	STE Advanced Technology	RK09	Soldier Technology

633119 Ground Advanced Technology

Budget Line Item: 0603119A

633119BK8RK17	2019	OPEN	BK8	Robotics for Engineer Operations Adv Tech	RK17	Ground Platform Technology
633119BK9RK17	2019	OPEN	BK9	Ground System Fluids and Fuels Adv Tech	RK17	Ground Platform Technology
633119BL3RK17	2019	OPEN	BL3	Explosives Forensics Advanced Technology	RK17	Ground Platform Technology
633119BL6RK17	2019	OPEN	BL6	Expedient Passive Protection Advanced Technology	RK17	Ground Platform Technology
633119BL8RK17	2019	OPEN	BL8	Power Projection in A2AD Environments Adv Tech	RK17	Ground Platform Technology
633119BM1RK17	2019	OPEN	BM1	Protection from Advanced Weapon Effects Adv Tech	RK17	Ground Platform Technology

633125 Combating Terrorism, Technology Development

Budget Line Item: 0603125A

633125DF5RK02	2004	OPEN	DF5	Agile Integration & Demonstration	RK02	Force Protection Technology
633125DF5RK11	2004	2016	DF5	Agile Integration & Demonstration	RK11	Military Eng & Environ Tech,Simulation & Computing
633125DF5RK17	2004	OPEN	DF5	Agile Integration & Demonstration	RK17	Ground Platform Technology
633125DF5RK19	2004	OPEN	DF5	Agile Integration & Demonstration	RK19	C4 Technology
633125DF5RK20	2004	OPEN	DF5	Agile Integration & Demonstration	RK20	Logistics Technology
633125DW4RK11	2011	OPEN	DW4	Energy Technologies (Congressional Adds (CAs))	RK11	Military Eng & Environ Tech,Simulation & Computing
633125DW4RK20	2011	OPEN	DW4	Energy Technologies (Congressional Adds (CAs))	RK20	Logistics Technology
633125DW4RK23	2011	OPEN	DW4	Energy Technologies (Congressional Adds (CAs))	RK23	Technology Maturation Initiatives

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
633130	**TRACTOR NAIL**					**Budget Line Item: 0603130A**
633130DS8RK12	2011	OPEN	DS8	Tractor Nail	RK12	Classified Technology
633131	**TRACTOR EGGS**					**Budget Line Item: 0603131A**
633131DS9RK12	2011	OPEN	DS9	Tractor Eggs	RK12	Classified Technology
633270	**Electronic Warfare Technology**					**Budget Line Item: 0603270A**
633270CY3FPCE	2019	OPEN	CY3	Offensive Cyber Operations Mirror Adv Tech	FPCE	Modernization Priority Network C3I
633270CY3RK19	2018	OPEN	CY3	Offensive Cyber Operations Mirror Adv Tech	RK19	C4 Technology
633270K12RK15	2002	OPEN	K12	EW Demonstrations (CA)	RK15	Intel, Surveillance & Recon (ISR) Technology
633270K12RK19	2002	OPEN	K12	EW Demonstrations (CA)	RK19	C4 Technology
633270K15RK02	1992	OPEN	K15	Advanced Comm Ecm Demo	RK02	Force Protection Technology
633270K15RK15	1992	OPEN	K15	Advanced Comm Ecm Demo	RK15	Intel, Surveillance & Recon (ISR) Technology
633270K15RK19	1992	OPEN	K15	Advanced Comm Ecm Demo	RK19	C4 Technology
633270K16RK02	1992	OPEN	K16	Non-Commo Ecm Tech Dem	RK02	Force Protection Technology
633270K16RK13	1992	2016	K16	Non-Commo Ecm Tech Dem	RK13	Air Platform Technology
633270K16RK15	1992	OPEN	K16	Non-Commo Ecm Tech Dem	RK15	Intel, Surveillance & Recon (ISR) Technology
633270K16RK17	1992	OPEN	K16	Non-Commo Ecm Tech Dem	RK17	Ground Platform Technology
633270K16RK19	1992	OPEN	K16	Non-Commo Ecm Tech Dem	RK19	C4 Technology
633304	**Army BMD SPT TO SDI**					**Budget Line Item: 0603304A**
633304215FASP	1992	OPEN	215	BMD Adv Tech Prog (Reimb Manpower Only)	FASP	Army Space/Missile Defense Command
633304215RL02	1992	OPEN	215	BMD Adv Tech Prog (Reimb Manpower Only)	RL02	Army Test Infrastructure
633304715FPDG	1992	OPEN	715	GPALS	FPDG	Operational / Tactical Sensors
633304715FPFB	1992	OPEN	715	GPALS	FPFB	Air/Missile Defense Battle Management C4I AMDBMC4I
633304715FPLE	1992	OPEN	715	GPALS	FPLE	Aviation Rockets And Missiles
633304715FPLF	1992	OPEN	715	GPALS	FPLF	Multiple Launch Rocket System (MLRS)
633304715FPLI	2003	OPEN	715	GPALS	FPLI	Joint Air-To-Ground Missile (JAGM)
633304715FPLK	1992	OPEN	715	GPALS	FPLK	Missiles
633304715FPLR	1993	2017	715	GPALS	FPLR	Avenger
633304715FPQC	1993	2017	715	GPALS	FPQC	Patriot (ATM)
633304715FPQF	1993	2017	715	GPALS	FPQF	Terminal High-Altitude Area Defense (THAAD)
633304715FPQG	2002	OPEN	715	GPALS	FPQG	Low Tier Air and Missile Defense/MSE
633304715FPQS	1993	OPEN	715	GPALS	FPQS	Joint Tactical Ground Station (JTAGS)
633304715RL03	1992	OPEN	715	GPALS	RL03	RDTE Management Activities
633304724HSBD	1994	OPEN	724	MED/SPT OSD Chem-Bio (Reimb Manpower Only)	HSBD	Joint Medical-Biological
633313	**Missile and Rocket Advanced Technology**					**Budget Line Item: 0603313A**

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
633313206RK16	1992	OPEN	206	Missile Simulation	RK16	Lethality Technology
633313206RK17	1992	2016	206	Missile Simulation	RK17	Ground Platform Technology
633313263RK02	1992	OPEN	263	Future Msl Tech Integr(FMTI)	RK02	Force Protection Technology
633313263RK16	1992	OPEN	263	Future Msl Tech Integr(FMTI)	RK16	Lethality Technology
633313263RK17	1992	OPEN	263	Future Msl Tech Integr(FMTI)	RK17	Ground Platform Technology
633313263RK19	1992	OPEN	263	Future Msl Tech Integr(FMTI)	RK19	C4 Technology
633313550RK02	1992	OPEN	550	COUNTER ACTIVE PROTECTION	RK02	Force Protection Technology
633313704RK02	2002	OPEN	704	Advanced Missile Demo	RK02	Force Protection Technology
633313704RK16	2002	OPEN	704	Advanced Missile Demo	RK16	Lethality Technology
633313704RK17	2002	2016	704	Advanced Missile Demo	RK17	Ground Platform Technology
633313G03RK02	2003	OPEN	G03	Area Defense Advanced Technology	RK02	Force Protection Technology
633313G03RK16	2003	OPEN	G03	Area Defense Advanced Technology	RK16	Lethality Technology
633313NA6RK02	2002	OPEN	NA6	Missile and Rocket Initiatives (CA)	RK02	Force Protection Technology
633313NA6RK10	2002	2017	NA6	Missile and Rocket Initiatives (CA)	RK10	Unmanned Systems Technology
633313NA6RK14	2002	2019	NA6	Missile and Rocket Initiatives (CA)	RK14	Advanced Simulation
633313NA6RK15	2002	OPEN	NA6	Missile and Rocket Initiatives (CA)	RK15	Intel, Surveillance & Recon (ISR) Technology
633313NA6RK16	2002	OPEN	NA6	Missile and Rocket Initiatives (CA)	RK16	Lethality Technology
633322	**Tractor Cage**				**Budget Line Item:**	**0603322A**
633322B92RK12	1992	OPEN	B92	DB92	RK12	Classified Technology
633457	**C3I Cyber Advanced Development**				**Budget Line Item:**	**0603457A**
6334576CYFPCE	2019	OPEN	6CY	Autonomous Cyber Advanced Technology	FPCE	Modernization Priority Network C3I
6334576CYRK19	2019	OPEN	6CY	Autonomous Cyber Advanced Technology	RK19	C4 Technology
6334577CYRK19	2019	OPEN	7CY	Decoy and Deterrence Advanced Technology	RK19	C4 Technology
6334578CYFPCE	2019	OPEN	8CY	Information Trust Advanced Technology	FPCE	Modernization Priority Network C3I
6334578CYRK19	2019	OPEN	8CY	Information Trust Advanced Technology	RK19	C4 Technology
6334579CYFPCE	2019	OPEN	9CY	Network Access and Effects Advanced Technology	FPCE	Modernization Priority Network C3I
6334579CYRK19	2019	OPEN	9CY	Network Access and Effects Advanced Technology	RK19	C4 Technology
633457CB4FPCE	2019	OPEN	CB4	Offensive Cyber Operations (OCO) Mirror Adv Tech	FPCE	Modernization Priority Network C3I
633457CB4RK19	2019	OPEN	CB4	Offensive Cyber Operations (OCO) Mirror Adv Tech	RK19	C4 Technology
633461	**High Performance Computing Modernization Program**				**Budget Line Item:**	**0603461A**
633461DS7RK11	2011	OPEN	DS7	High Performance Computing Modernization Program	RK11	Military Eng & Environ Tech,Simulation & Computing
633461DS7RK14	2011	2019	DS7	High Performance Computing Modernization Program	RK14	Advanced Simulation
633461DW5RK11	2011	OPEN	DW5	HIGH PERF COMP MODERN (HPCM) (CA)	RK11	Military Eng & Environ Tech,Simulation & Computing
633461DW5RK14	2011	2019	DW5	HIGH PERF COMP MODERN (HPCM) (CA)	RK14	Advanced Simulation

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
633462	**Next Generation Combat Vehicle Advanced Technology**					**Budget Line Item: 0603462A**
633462BF2FPCB	2019	OPEN	BF2	Autonomous Ground Resupply (AGR) Adv Tech	FPCB	Modernization Priority Next Generation Combat Veh
633462BF2RK17	2019	OPEN	BF2	Autonomous Ground Resupply (AGR) Adv Tech	RK17	Ground Platform Technology
633462BF4FPCB	2019	OPEN	BF4	Combat Vehicle Robotics Adv Tech	FPCB	Modernization Priority Next Generation Combat Veh
633462BF4RK17	2019	OPEN	BF4	Combat Vehicle Robotics Adv Tech	RK17	Ground Platform Technology
633462BF5FPCB	2019	OPEN	BF5	Adv Lethality & Accuracy Sys for Med Cal Adv Tech	FPCB	Modernization Priority Next Generation Combat Veh
633462BF5RK17	2019	OPEN	BF5	Adv Lethality & Accuracy Sys for Med Cal Adv Tech	RK17	Ground Platform Technology
633462BF7FPCB	2019	OPEN	BF7	Crew Augmentation and Optimization Adv Tech	FPCB	Modernization Priority Next Generation Combat Veh
633462BF7RK17	2019	OPEN	BF7	Crew Augmentation and Optimization Adv Tech	RK17	Ground Platform Technology
633462BG1FPCB	2019	OPEN	BG1	Sensors for Auto Oper and Survivability Adv Tech	FPCB	Modernization Priority Next Generation Combat Veh
633462BG1RK17	2019	OPEN	BG1	Sensors for Auto Oper and Survivability Adv Tech	RK17	Ground Platform Technology
633462BG3FPCB	2019	OPEN	BG3	Modeling and Simulation for MUMT Advanced Tech	FPCB	Modernization Priority Next Generation Combat Veh
633462BG3RK17	2019	OPEN	BG3	Modeling and Simulation for MUMT Advanced Tech	RK17	Ground Platform Technology
633462BG4FPCB	2019	OPEN	BG4	Adv Mobility Experimental Prototype Adv Tech Demo	FPCB	Modernization Priority Next Generation Combat Veh
633462BG4RK17	2019	OPEN	BG4	Adv Mobility Experimental Prototype Adv Tech Demo	RK17	Ground Platform Technology
633462BG5FPCB	2019	OPEN	BG5	Extended Line of Sight (ELOS) Advanced Technology	FPCB	Modernization Priority Next Generation Combat Veh
633462BG5RK17	2019	OPEN	BG5	Extended Line of Sight (ELOS) Advanced Technology	RK17	Ground Platform Technology
633462BG7FPCB	2019	OPEN	BG7	Ground Systems Active Defense (GSAD) Advanced Tech	FPCB	Modernization Priority Next Generation Combat Veh
633462BG7RK17	2019	OPEN	BG7	Ground Systems Active Defense (GSAD) Advanced Tech	RK17	Ground Platform Technology
633462BG9FPCB	2019	OPEN	BG9	Obscuration Advanced Technology	FPCB	Modernization Priority Next Generation Combat Veh
633462BG9RK17	2019	OPEN	BG9	Obscuration Advanced Technology	RK17	Ground Platform Technology
633462BH1FPCB	2019	OPEN	BH1	Survivability Systems Controls Advanced Technology	FPCB	Modernization Priority Next Generation Combat Veh
633462BH1RK17	2019	OPEN	BH1	Survivability Systems Controls Advanced Technology	RK17	Ground Platform Technology
633462BH3FPCB	2019	OPEN	BH3	C4ISR Modular Autonomy Advanced Technology	FPCB	Modernization Priority Next Generation Combat Veh
633462BH3RK17	2019	OPEN	BH3	C4ISR Modular Autonomy Advanced Technology	RK17	Ground Platform Technology
633462BH4FPCB	2019	OPEN	BH4	Ground Vehicle Holistic Defense Adv Tech	FPCB	Modernization Priority Next Generation Combat Veh
633462BH6FPCB	2019	OPEN	BH6	Platform Electrification and Mobility Adv Tech	FPCB	Modernization Priority Next Generation Combat Veh
633462BH6RK17	2019	OPEN	BH6	Platform Electrification and Mobility Adv Tech	RK17	Ground Platform Technology
633462BH8FPCB	2019	OPEN	BH8	Enhanced VETRONICS Advanced Technology	FPCB	Modernization Priority Next Generation Combat Veh
633462BH8RK17	2019	OPEN	BH8	Enhanced VETRONICS Advanced Technology	RK17	Ground Platform Technology
633462BI1FPCB	2019	OPEN	BI1	Protection for Autonomous Systems Adv Tech	FPCB	Modernization Priority Next Generation Combat Veh
633462BI1RK17	2019	OPEN	BI1	Protection for Autonomous Systems Adv Tech	RK17	Ground Platform Technology
633462BI3FPCB	2019	OPEN	BI3	Sensor Protection Advanced Technology	FPCB	Modernization Priority Next Generation Combat Veh
633462BI3RK17	2019	OPEN	BI3	Sensor Protection Advanced Technology	RK17	Ground Platform Technology

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
633462BI5FPCB	2019	OPEN	BI5	Materials Application and Integration Adv Tech	FPCB	Modernization Priority Next Generation Combat Veh
633462BI5RK17	2019	OPEN	BI5	Materials Application and Integration Adv Tech	RK17	Ground Platform Technology
633462BI8FPCB	2019	OPEN	BI8	All-Electric Combat Powertrain Advanced Technology	FPCB	Modernization Priority Next Generation Combat Veh
633462BJ1FPCB	2019	OPEN	BJ1	Vehicle System Security Advanced Technology	FPCB	Modernization Priority Next Generation Combat Veh
633462BJ1RK17	2019	OPEN	BJ1	Vehicle System Security Advanced Technology	RK17	Ground Platform Technology
633462BJ6FPCB	2019	OPEN	BJ6	Hydrogen Based Combat System Advanced Technology	FPCB	Modernization Priority Next Generation Combat Veh
633462BJ6RK17	2019	OPEN	BJ6	Hydrogen Based Combat System Advanced Technology	RK17	Ground Platform Technology
633462BJ8FPCB	2019	OPEN	BJ8	Detection of Explosive Hazards Advanced Technology	FPCB	Modernization Priority Next Generation Combat Veh
633462BJ8RK17	2019	OPEN	BJ8	Detection of Explosive Hazards Advanced Technology	RK17	Ground Platform Technology
633462BK1FPCB	2019	OPEN	BK1	Autonomous Mobility Adv Tech	FPCB	Modernization Priority Next Generation Combat Veh
633462BK1RK17	2019	OPEN	BK1	Autonomous Mobility Adv Tech	RK17	Ground Platform Technology
633462BK4FPCB	2019	OPEN	BK4	Next Gen Intelligent Fire Control(NG-IFC) Adv Tech	FPCB	Modernization Priority Next Generation Combat Veh
633462BK4RK17	2019	OPEN	BK4	Next Gen Intelligent Fire Control(NG-IFC) Adv Tech	RK17	Ground Platform Technology
633462BK6FPCB	2019	OPEN	BK6	Adv Direct InDirect Armament Sys (ADIDAS) Adv Tech	FPCB	Modernization Priority Next Generation Combat Veh
633462BK6RK17	2019	OPEN	BK6	Adv Direct InDirect Armament Sys (ADIDAS) Adv Tech	RK17	Ground Platform Technology

633463 Network C3I Advanced Technology

Budget Line Item: 0603463A

633463AM7FPCE	2019	OPEN	AM7	Modular RF Communications Advanced Technology	FPCE	Modernization Priority Network C3I
633463AM7RK19	2019	OPEN	AM7	Modular RF Communications Advanced Technology	RK19	C4 Technology
633463AM9FPCE	2019	OPEN	AM9	Protected SATCOM Advanced Technology	FPCE	Modernization Priority Network C3I
633463AN2FPCE	2019	OPEN	AN2	Narrowband SATCOM Advanced Technology	FPCE	Modernization Priority Network C3I
633463AN4FPCE	2019	OPEN	AN4	Non Traditional Waveforms Advanced Technology	FPCE	Modernization Priority Network C3I
633463AN4RK19	2019	OPEN	AN4	Non Traditional Waveforms Advanced Technology	RK19	C4 Technology
633463AN6FPCE	2019	OPEN	AN6	Prot SATCOM-WB Global SATCOM Inter Canc Adv Tech	FPCE	Modernization Priority Network C3I
633463AN6RK19	2019	OPEN	AN6	Prot SATCOM-WB Global SATCOM Inter Canc Adv Tech	RK19	C4 Technology
633463AN8FPCE	2019	OPEN	AN8	COE - Every Receiver is a Sensor Advanced Tech	FPCE	Modernization Priority Network C3I
633463AN8RK19	2019	OPEN	AN8	COE - Every Receiver is a Sensor Advanced Tech	RK19	C4 Technology
633463AO1FPCE	2019	OPEN	AO1	UNT - Every Receiver is a Sensor Advanced Tech	FPCE	Modernization Priority Network C3I
633463AO1RK19	2019	OPEN	AO1	UNT - Every Receiver is a Sensor Advanced Tech	RK19	C4 Technology
633463AO3FPCE	2019	OPEN	AO3	Stand-In Advanced RF Effects (STARE) Adv Tech	FPCE	Modernization Priority Network C3I
633463AO3RK19	2019	OPEN	AO3	Stand-In Advanced RF Effects (STARE) Adv Tech	RK19	C4 Technology
633463AO6FPCE	2019	OPEN	AO6	Tag Track and Locate Small Satellites Adv Tech	FPCE	Modernization Priority Network C3I
633463AO6RK19	2019	OPEN	AO6	Tag Track and Locate Small Satellites Adv Tech	RK19	C4 Technology
633463AO7FPCE	2019	OPEN	AO7	EW for Maneuver Operations (EMO) Adv Tech	FPCE	Modernization Priority Network C3I
633463AO7RK19	2019	OPEN	AO7	EW for Maneuver Operations (EMO) Adv Tech	RK19	C4 Technology

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
633463AO9FPCE	2019	OPEN	AO9	Information Trust Advanced Technology	FPCE	Modernization Priority Network C3I
633463AP2FPCE	2019	OPEN	AP2	Decoy and Deterrence Advanced Technology	FPCE	Modernization Priority Network C3I
633463AP6FPCE	2019	OPEN	AP6	C4ISR Integrated Demonstrations Advanced Tech	FPCE	Modernization Priority Network C3I
633463AP6RK19	2019	OPEN	AP6	C4ISR Integrated Demonstrations Advanced Tech	RK19	C4 Technology
633463AP8FPCE	2019	OPEN	AP8	Comms/Horiz Int for Army Mod Priorities Adv Tech	FPCE	Modernization Priority Network C3I
633463AP8RK19	2019	OPEN	AP8	Comms/Horiz Int for Army Mod Priorities Adv Tech	RK19	C4 Technology
633463AP9FPCE	2019	OPEN	AP9	Next Generation HF Advanced Technology	FPCE	Modernization Priority Network C3I
633463AP9RK19	2019	OPEN	AP9	Next Generation HF Advanced Technology	RK19	C4 Technology
633463AQ1FPCE	2019	OPEN	AQ1	Spectrum Obfuscation Advanced Technology	FPCE	Modernization Priority Network C3I
633463AQ1RK19	2019	OPEN	AQ1	Spectrum Obfuscation Advanced Technology	RK19	C4 Technology
633463AQ4FPCE	2019	OPEN	AQ4	Network Access and Effects Advanced Technology	FPCE	Modernization Priority Network C3I
633463AQ5FPCE	2019	OPEN	AQ5	Sensor CE-Integrated Sensor Architecture Adv Tech	FPCE	Modernization Priority Network C3I
633463AQ5RK19	2019	OPEN	AQ5	Sensor CE-Integrated Sensor Architecture Adv Tech	RK19	C4 Technology
633463AQ8FPCE	2019	OPEN	AQ8	High Tempo Data Driven Decision Tools Adv Tech	FPCE	Modernization Priority Network C3I
633463AR2FPCE	2019	OPEN	AR2	Energy Informed Operations Advanced Technology	FPCE	Modernization Priority Network C3I
633463AR2RK19	2019	OPEN	AR2	Energy Informed Operations Advanced Technology	RK19	C4 Technology
633463AR4FPCE	2019	OPEN	AR4	Intelligent Env Battlefield Awareness Adv Tech	FPCE	Modernization Priority Network C3I
633463AR4RK19	2019	OPEN	AR4	Intelligent Env Battlefield Awareness Adv Tech	RK19	C4 Technology
633463AR6FPCE	2019	OPEN	AR6	Understanding the Environment as a Threat Adv Tech	FPCE	Modernization Priority Network C3I
633463AR6RK19	2019	OPEN	AR6	Understanding the Environment as a Threat Adv Tech	RK19	C4 Technology
633463AR8FPCE	2019	OPEN	AR8	Sensing in Contested Environments Adv Tech	FPCE	Modernization Priority Network C3I
633463AS9FPCE	2019	OPEN	AS9	Persistent Geophysical Sensing-Infrasound Adv Tech	FPCE	Modernization Priority Network C3I
633463AS9RK19	2019	OPEN	AS9	Persistent Geophysical Sensing-Infrasound Adv Tech	RK19	C4 Technology
633463AT3FPCE	2019	OPEN	AT3	Subterranean Detection and Monitoring Adv Tech	FPCE	Modernization Priority Network C3I
633463AT3RK19	2019	OPEN	AT3	Subterranean Detection and Monitoring Adv Tech	RK19	C4 Technology
633463AT5FPCE	2019	OPEN	AT5	GeoINT - OPS Merge Advanced Technology	FPCE	Modernization Priority Network C3I
633463AT8FPCE	2019	OPEN	AT8	Network-Enabled GeoSpatial-GEOINT Services AdvTech	FPCE	Modernization Priority Network C3I
633463AT8RK19	2019	OPEN	AT8	Network-Enabled GeoSpatial-GEOINT Services AdvTech	RK19	C4 Technology
633463AU1FPCE	2019	OPEN	AU1	Tactical GeoSpatial Information Capabilities ATech	FPCE	Modernization Priority Network C3I
633463AU1RK19	2019	OPEN	AU1	Tactical GeoSpatial Information Capabilities ATech	RK19	C4 Technology
633463AU2FPCE	2019	OPEN	AU2	Optimization of Geospatial Data for Visualization	FPCE	Modernization Priority Network C3I
633463AU4FPCE	2019	OPEN	AU4	Geospatially Enabled Operational Design Adv Tech	FPCE	Modernization Priority Network C3I
633463AU4RK19	2019	OPEN	AU4	Geospatially Enabled Operational Design Adv Tech	RK19	C4 Technology
633463AU6FPCE	2019	OPEN	AU6	Automated Analytics for Operational Environment AT	FPCE	Modernization Priority Network C3I

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
633463AU6RK19	2019	OPEN	AU6	Automated Analytics for Operational Environment AT	RK19	C4 Technology
633463AU8FPCE	2019	OPEN	AU8	GEOInt/Ops Integration for Multi-echelon Orders	FPCE	Modernization Priority Network C3I
633463AV1FPCE	2019	OPEN	AV1	GEOInt/Ops Logistics Integration-Planning Adv Tech	FPCE	Modernization Priority Network C3I
633463AV2FPCF	2019	OPEN	AV2	LEO Advanced Technology	FPCF	Modernization Priority Assured PNT
633463AV2RK19	2019	OPEN	AV2	LEO Advanced Technology	RK19	C4 Technology
633463AV4FPCE	2019	OPEN	AV4	Foundational S&T for Network C3I Advanced Tech	FPCE	Modernization Priority Network C3I
633463AV8FPCF	2019	OPEN	AV8	Navigation Warfare (NAVWAR) Advanced Technology	FPCF	Modernization Priority Assured PNT
633463AV8RK19	2019	OPEN	AV8	Navigation Warfare (NAVWAR) Advanced Technology	RK19	C4 Technology
633463AW2FPCF	2019	OPEN	AW2	Autonomous Navigation Advanced Technology	FPCF	Modernization Priority Assured PNT
633463AW2RK19	2019	OPEN	AW2	Autonomous Navigation Advanced Technology	RK19	C4 Technology
633463AW4FPCF	2019	OPEN	AW4	DoD PNT M&S Collaborative Initiative (CI) Adv Tech	FPCF	Modernization Priority Assured PNT
633463AW4RK19	2019	OPEN	AW4	DoD PNT M&S Collaborative Initiative (CI) Adv Tech	RK19	C4 Technology
633463AW6FPCF	2019	OPEN	AW6	Modular GPS Independent Sensors Advanced Tech	FPCF	Modernization Priority Assured PNT

633464 Long Range Precision Fires Advanced Technology

Budget Line Item: 0603464A

633464AE6FPCA	2019	OPEN	AE6	Strategic Long Range Cannon Advanced Technology	FPCA	Modernization Priority Long Range Precision Fires
633464AE6RK16	2019	OPEN	AE6	Strategic Long Range Cannon Advanced Technology	RK16	Lethality Technology
633464AE8FPCA	2019	OPEN	AE8	Land-Based Anti-Ship Missile (LBASM) Advanced Tech	FPCA	Modernization Priority Long Range Precision Fires
633464AE8RK16	2019	OPEN	AE8	Land-Based Anti-Ship Missile (LBASM) Advanced Tech	RK16	Lethality Technology
633464AE9FPCA	2019	OPEN	AE9	Low-Cost Tact Ext Range Missile (LC-TERM) Adv Tech	FPCA	Modernization Priority Long Range Precision Fires
633464AE9RK16	2019	OPEN	AE9	Low-Cost Tact Ext Range Missile (LC-TERM) Adv Tech	RK16	Lethality Technology
633464AF2FPCA	2019	OPEN	AF2	Long Range Maneuverable Fires (LRMF) Advanced Tech	FPCA	Modernization Priority Long Range Precision Fires
633464AF4FPCA	2019	OPEN	AF4	Missile Simulation Advanced Technology	FPCA	Modernization Priority Long Range Precision Fires
633464AF4RK16	2019	OPEN	AF4	Missile Simulation Advanced Technology	RK16	Lethality Technology
633464AG3FPCA	2019	OPEN	AG3	Extended Range Cannon Artillery (ERCA) Adv Tech	FPCA	Modernization Priority Long Range Precision Fires
633464AG3RK16	2019	OPEN	AG3	Extended Range Cannon Artillery (ERCA) Adv Tech	RK16	Lethality Technology
633464AG5FPCA	2019	OPEN	AG5	Extended Range Artillery Munition Suite Adv Tech	FPCA	Modernization Priority Long Range Precision Fires
633464AG5RK16	2019	OPEN	AG5	Extended Range Artillery Munition Suite Adv Tech	RK16	Lethality Technology
633464AG7FPCA	2019	OPEN	AG7	Energetic Materials and Adv Processing Adv Tech	FPCA	Modernization Priority Long Range Precision Fires
633464AG7RK16	2019	OPEN	AG7	Energetic Materials and Adv Processing Adv Tech	RK16	Lethality Technology
633464AH1FPCA	2019	OPEN	AH1	Multiple Simul Engagement Technologies Adv Tech	FPCA	Modernization Priority Long Range Precision Fires
633464AH3FPCA	2019	OPEN	AH3	Single Multi-mission Attack Missile Adv Tech	FPCA	Modernization Priority Long Range Precision Fires
633464AH3RK16	2019	OPEN	AH3	Single Multi-mission Attack Missile Adv Tech	RK16	Lethality Technology
633464BS3FPCA	2019	OPEN	BS3	Strategic Missile Advanced Technology	FPCA	Modernization Priority Long Range Precision Fires
633464BS3RK16	2019	OPEN	BS3	Strategic Missile Advanced Technology	RK16	Lethality Technology

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
633465	**Future Vertical Lift Advanced Technology**					**Budget Line Item: 0603465A**
633465AI4FPCG	2019	OPEN	AI4	Joint Multi-Role (JMR) Demonstration Advanced Tech	FPCG	Modernization Priority Future Vertical Lift
633465AI4RK13	2019	OPEN	AI4	Joint Multi-Role (JMR) Demonstration Advanced Tech	RK13	Air Platform Technology
633465AI6FPCG	2019	OPEN	AI6	Next Gen Tactical UAS TD Advanced Technology	FPCG	Modernization Priority Future Vertical Lift
633465AI6RK13	2019	OPEN	AI6	Next Gen Tactical UAS TD Advanced Technology	RK13	Air Platform Technology
633465AI8FPCG	2019	OPEN	AI8	Alternative Concept Engine Advanced Technology	FPCG	Modernization Priority Future Vertical Lift
633465AI8RK13	2019	OPEN	AI8	Alternative Concept Engine Advanced Technology	RK13	Air Platform Technology
633465AJ1FPCG	2019	OPEN	AJ1	Future UAS Engine Advanced Technology	FPCG	Modernization Priority Future Vertical Lift
633465AJ1RK13	2019	OPEN	AJ1	Future UAS Engine Advanced Technology	RK13	Air Platform Technology
633465AJ3FPCG	2019	OPEN	AJ3	Next Generation Rotorcraft Transmission Adv Tech	FPCG	Modernization Priority Future Vertical Lift
633465AJ3RK13	2019	OPEN	AJ3	Next Generation Rotorcraft Transmission Adv Tech	RK13	Air Platform Technology
633465AJ5FPCG	2019	OPEN	AJ5	Digital Vehicle Management & Control Advanced Tech	FPCG	Modernization Priority Future Vertical Lift
633465AJ5RK13	2019	OPEN	AJ5	Digital Vehicle Management & Control Advanced Tech	RK13	Air Platform Technology
633465AJ7FPCG	2019	OPEN	AJ7	Advanced Rotors Advanced Technology	FPCG	Modernization Priority Future Vertical Lift
633465AJ7RK13	2019	OPEN	AJ7	Advanced Rotors Advanced Technology	RK13	Air Platform Technology
633465AJ9FPCG	2019	OPEN	AJ9	Integ Mission Equip for Vert Lift Systems Adv Tech	FPCG	Modernization Priority Future Vertical Lift
633465AJ9RK13	2019	OPEN	AJ9	Integ Mission Equip for Vert Lift Systems Adv Tech	RK13	Air Platform Technology
633465AK3FPCG	2019	OPEN	AK3	Aviation Survivability Advanced Technology	FPCG	Modernization Priority Future Vertical Lift
633465AK3RK13	2019	OPEN	AK3	Aviation Survivability Advanced Technology	RK13	Air Platform Technology
633465AK5FPCG	2019	OPEN	AK5	Multi-Role Small Guided Missile Advanced Tech	FPCG	Modernization Priority Future Vertical Lift
633465AK5RK13	2019	OPEN	AK5	Multi-Role Small Guided Missile Advanced Tech	RK13	Air Platform Technology
633465AK7FPCG	2019	OPEN	AK7	Adv Rotorcraft Armaments Protection Sys Adv Tech	FPCG	Modernization Priority Future Vertical Lift
633465AK7RK13	2019	OPEN	AK7	Adv Rotorcraft Armaments Protection Sys Adv Tech	RK13	Air Platform Technology
633465AK8FPCG	2019	OPEN	AK8	Air Launched Effects Advanced Technology	FPCG	Modernization Priority Future Vertical Lift
633465AK8RK13	2019	OPEN	AK8	Air Launched Effects Advanced Technology	RK13	Air Platform Technology
633465AL1FPCG	2019	OPEN	AL1	Adv Teaming for Tactical Aviation Oper Adv Tech	FPCG	Modernization Priority Future Vertical Lift
633465AL1RK13	2019	OPEN	AL1	Adv Teaming for Tactical Aviation Oper Adv Tech	RK13	Air Platform Technology
633465AL3FPCG	2019	OPEN	AL3	HPC for Rotorcraft Applications Adv Tech	FPCG	Modernization Priority Future Vertical Lift
633465AL3RK13	2019	OPEN	AL3	HPC for Rotorcraft Applications Adv Tech	RK13	Air Platform Technology
633465AL6FPCG	2019	OPEN	AL6	Degraded Vis Environ Mitigation (DVE-M) Adv Tech	FPCG	Modernization Priority Future Vertical Lift
633465AL6RK13	2019	OPEN	AL6	Degraded Vis Environ Mitigation (DVE-M) Adv Tech	RK13	Air Platform Technology
633465AL7FPCG	2019	OPEN	AL7	Full Spectrum Targeting Advanced Technology	FPCG	Modernization Priority Future Vertical Lift
633465AL7RK13	2019	OPEN	AL7	Full Spectrum Targeting Advanced Technology	RK13	Air Platform Technology
633465AL9FPCG	2019	OPEN	AL9	Holistic Sit Awareness and Dec Making Adv Tech	FPCG	Modernization Priority Future Vertical Lift

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
633465AM3FPCG	2019	OPEN	AM3	Aircraft and Aircrew Protection Advanced Tech	FPCG	Modernization Priority Future Vertical Lift
633465AM3RK13	2019	OPEN	AM3	Aircraft and Aircrew Protection Advanced Tech	RK13	Air Platform Technology
633465AM5FPCG	2019	OPEN	AM5	Opt Energy Stg & Therm Mgmt for FVL Surv Adv Tech	FPCG	Modernization Priority Future Vertical Lift

633466 Air and Missile Defense Advanced Technology

Budget Line Item: 0603466A

633466AC8FPCC	2019	OPEN	AC8	Low Cost Extended Range Air Defense Adv Tech	FPCC	Modernization Priority Air and Missile Defense
633466AC8RK16	2019	OPEN	AC8	Low Cost Extended Range Air Defense Adv Tech	RK16	Lethality Technology
633466AD1FPCC	2019	OPEN	AD1	High Energy Laser Tactical Vehicle Demo Adv Tech	FPCC	Modernization Priority Air and Missile Defense
633466AD1RK16	2019	OPEN	AD1	High Energy Laser Tactical Vehicle Demo Adv Tech	RK16	Lethality Technology
633466AD4FPCC	2019	OPEN	AD4	Maneuver Air Defense Advanced Technology	FPCC	Modernization Priority Air and Missile Defense
633466AD6FPCC	2019	OPEN	AD6	Next Generation Fires Radar Advanced Technology	FPCC	Modernization Priority Air and Missile Defense
633466AD6RK16	2019	OPEN	AD6	Next Generation Fires Radar Advanced Technology	RK16	Lethality Technology
633466AE1FPCC	2019	OPEN	AE1	Close Combat High Energy Laser Advanced Technology	FPCC	Modernization Priority Air and Missile Defense
633466AE3FPCC	2019	OPEN	AE3	Unconventional Countermeasures-Survivability ATech	FPCC	Modernization Priority Air and Missile Defense
633466AE3RK16	2019	OPEN	AE3	Unconventional Countermeasures-Survivability ATech	RK16	Lethality Technology

633606 Landmine Warfare and Barrier Advanced Technology

Budget Line Item: 0603606A

633606608RK02	1992	OPEN	608	Countermine & Bar Dev	RK02	Force Protection Technology
633606608RK17	1992	OPEN	608	Countermine & Bar Dev	RK17	Ground Platform Technology
63360664CRK02	2003	OPEN	64C	COUNTERMINE DEMONSTRATIONS (CA)	RK02	Force Protection Technology
63360664CRK17	2003	OPEN	64C	COUNTERMINE DEMONSTRATIONS (CA)	RK17	Ground Platform Technology
633606683RK02	1999	OPEN	683	Area Denial Sensors	RK02	Force Protection Technology
633606683RK19	1999	OPEN	683	Area Denial Sensors	RK19	C4 Technology

633607 Joint Service Small Arms Program (JSSAP)

Budget Line Item: 0603607A

633607627RK09	1992	2016	627	Jt Svc Sa Prog (JSSAP)	RK09	Soldier Technology
633607627RK16	1992	OPEN	627	Jt Svc Sa Prog (JSSAP)	RK16	Lethality Technology
63360762DRK16	2005	OPEN	62D	SMALL ARMS ADVANCED TECHNOLOGY DEV (CA)	RK16	Lethality Technology

633710 Night Vision Advanced Technology

Budget Line Item: 0603710A

633710K70RK09	1992	OPEN	K70	Night Vision Adv Tech	RK09	Soldier Technology
633710K70RK15	1992	OPEN	K70	Night Vision Adv Tech	RK15	Intel, Surveillance & Recon (ISR) Technology
633710K70RK19	1992	OPEN	K70	Night Vision Adv Tech	RK19	C4 Technology
633710K73RK13	2003	2016	K73	NIGHT VISION SENSOR DEMONSTRATIONS (CA)	RK13	Air Platform Technology
633710K73RK15	2003	OPEN	K73	NIGHT VISION SENSOR DEMONSTRATIONS (CA)	RK15	Intel, Surveillance & Recon (ISR) Technology
633710K86RK13	1992	OPEN	K86	Night Vision, Abn Sys	RK13	Air Platform Technology
633710K86RK15	1992	OPEN	K86	Night Vision, Abn Sys	RK15	Intel, Surveillance & Recon (ISR) Technology

633728 Environmental Quality Technology Demo

Budget Line Item: 0603728A

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
633728002RK11	1999	OPEN	002	Environmental Compliance Technology	RK11	Military Eng & Environ Tech,Simulation & Computing
633728025RK11	2002	OPEN	025	Pollution Prevention Technology	RK11	Military Eng & Environ Tech,Simulation & Computing
63372803ERK11	2001	OPEN	03E	Environmental Restoration Technology	RK11	Military Eng & Environ Tech,Simulation & Computing
63372803FRK11	2000	OPEN	03F	Environmental Quality Tech Demonstrations (CA)	RK11	Military Eng & Environ Tech,Simulation & Computing
633734	**Military Engineering Advanced Technology**				**Budget Line Item: 0603734A**	
633734T08FPCE	2019	OPEN	T08	Combat Eng Systems	FPCE	Modernization Priority Network C3I
633734T08RK02	1992	OPEN	T08	Combat Eng Systems	RK02	Force Protection Technology
633734T08RK11	1992	OPEN	T08	Combat Eng Systems	RK11	Military Eng & Environ Tech,Simulation & Computing
633734T08RK17	1992	OPEN	T08	Combat Eng Systems	RK17	Ground Platform Technology
633734T08RK19	1992	OPEN	T08	Combat Eng Systems	RK19	C4 Technology
633734T13RK11	2002	OPEN	T13	Stationary Power & Energy Tech Demonstrations (CA)	RK11	Military Eng & Environ Tech,Simulation & Computing
633734T13RK19	2002	OPEN	T13	Stationary Power & Energy Tech Demonstrations (CA)	RK19	C4 Technology
633734T13RK20	2002	OPEN	T13	Stationary Power & Energy Tech Demonstrations (CA)	RK20	Logistics Technology
633734T15RK02	2004	OPEN	T15	MILITARY ENGINEERING TECHNOLOGY DEMONSTRATION (CA)	RK02	Force Protection Technology
633734T15RK11	2004	OPEN	T15	MILITARY ENGINEERING TECHNOLOGY DEMONSTRATION (CA)	RK11	Military Eng & Environ Tech,Simulation & Computing
633734T15RK19	2004	OPEN	T15	MILITARY ENGINEERING TECHNOLOGY DEMONSTRATION (CA)	RK19	C4 Technology
633772	**Advanced Tactical Computer Science & Sensor Tech**				**Budget Line Item: 0603772A**	
633772101RK19	1992	OPEN	101	Tactical Command and Control	RK19	C4 Technology
6337721AARK19	2002	OPEN	1AA	Tactical Computer Science Demonstrations (CA)	RK19	C4 Technology
6337721ABRK15	2003	OPEN	1AB	SENSOR DEMONSTRATIONS (CA)	RK15	Intel, Surveillance & Recon (ISR) Technology
6337721ABRK19	2003	OPEN	1AB	SENSOR DEMONSTRATIONS (CA)	RK19	C4 Technology
6337721ABRK20	2003	OPEN	1AB	SENSOR DEMONSTRATIONS (CA)	RK20	Logistics Technology
633772243RK13	1992	OPEN	243	Sensors And Signals Processing	RK13	Air Platform Technology
633772243RK15	1992	OPEN	243	Sensors And Signals Processing	RK15	Intel, Surveillance & Recon (ISR) Technology
633772243RK19	1992	OPEN	243	Sensors And Signals Processing	RK19	C4 Technology
633772VR2RK19	2008	OPEN	VR2	VADER-GMTI	RK19	C4 Technology
633794	**C3 Adv Technology**				**Budget Line Item: 0603794A**	
633794EL3RK19	2014	OPEN	EL3	C3 Demonstrations (CA)	RK19	C4 Technology
633794EL4RK19	2014	OPEN	EL4	Tactical Comms and Networking Technology Int	RK19	C4 Technology
633794EL5FPCE	2019	OPEN	EL5	Secure Tactical Information Integration	FPCE	Modernization Priority Network C3I
633794EL5RK19	2014	OPEN	EL5	Secure Tactical Information Integration	RK19	C4 Technology
04	**Advanced Component Development & Prototypes**					
146120	**Assured Positioning, Navigation and Timing (PNT)**				**Budget Line Item: 1206120A**	
146120FJ8FPCF	2019	OPEN	FJ8	Assured Positioning, Navigation and Timing (PNT)	FPCF	Modernization Priority Assured PNT

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
146120FJ8FPMA	2017	OPEN	FJ8	Assured Positioning, Navigation and Timing (PNT)	FPMA	Navstar Global Positioning System (GPS)
146120FJ9FPCF	2019	OPEN	FJ9	Dismounted A-PNT	FPCF	Modernization Priority Assured PNT
146120FJ9FPMA	2017	OPEN	FJ9	Dismounted A-PNT	FPMA	Navstar Global Positioning System (GPS)
146120FK1FPCF	2019	OPEN	FK1	Pseudolites	FPCF	Modernization Priority Assured PNT
146120FK1FPMA	2017	OPEN	FK1	Pseudolites	FPMA	Navstar Global Positioning System (GPS)
146120FK2FPCF	2019	OPEN	FK2	Mounted A-PNT	FPCF	Modernization Priority Assured PNT
146120FK2FPMA	2017	OPEN	FK2	Mounted A-PNT	FPMA	Navstar Global Positioning System (GPS)
146120FK3FPCF	2019	OPEN	FK3	Anti-Jam Antenna	FPCF	Modernization Priority Assured PNT
146120FK3FPMA	2017	OPEN	FK3	Anti-Jam Antenna	FPMA	Navstar Global Positioning System (GPS)
146308	**Army Missile Defense Systems Integration**				**Budget Line Item:**	**1206308A**
146308FE5FASP	2017	OPEN	FE5	Space And Missile Defense Integration	FASP	Army Space/Missile Defense Command
146308FE6FASP	2017	OPEN	FE6	Army Space System Enhancement/Integration	FASP	Army Space/Missile Defense Command
345205	**Endurance UAVs (MIP)**				**Budget Line Item:**	**0305205A**
345205LE4FL6P	2010	OPEN	LE4	Long Endurance Multi-Intelligence Vehicle	FL6P	Unmanned Aerial Systems (UAS)
345251	**Cyberspace Operations Forces and Force Support**				**Budget Line Item:**	**0305251A**
345251FA8VLWA	2015	OPEN	FA8	Cyberspace Operations Forces and Force Support	VLWA	Cyberspace Operations
643305	**Army Missile Defense Sys Integration - Non Space**				**Budget Line Item:**	**0603305A**
643305FG6FASP	2015	OPEN	FG6	Missile Defense (CA)	FASP	Army Space/Missile Defense Command
643305FG6VTRD	2015	OPEN	FG6	Missile Defense (CA)	VTRD	Combat Development Core
643305TR4FASP	2002	OPEN	TR4	MISSILE DEFENSE INTEGRATION	FASP	Army Space/Missile Defense Command
643305TR5FASP	2002	OPEN	TR5	Missile Defense Battlelab	FASP	Army Space/Missile Defense Command
643305TR5VTRD	2002	OPEN	TR5	Missile Defense Battlelab	VTRD	Combat Development Core
643305TR7FPLW	2006	OPEN	TR7	Indirect Fire Protection Capability II	FPLW	Indirect Fire Protection Capability
643308	**Army Missile Defense Systems Integration**				**Budget Line Item:**	**0603308A**
643308978FASP	2000	OPEN	978	SPACE CONTROL	FASP	Army Space/Missile Defense Command
643308990FASP	1995	OPEN	990	Space And Missile Defense Integration	FASP	Army Space/Missile Defense Command
643308EB7FASP	2013	OPEN	EB7	Army Space System Enhancement/Integration	FASP	Army Space/Missile Defense Command
643308EB7VOFS	2014	2017	EB7	Army Space System Enhancement/Integration	VOFS	Operation Freedoms Sentinel - Direct OCO
643327	**Air and Missile Defense Systems Engineering**				**Budget Line Item:**	**0603327A**
643327FG9FPFB	2017	OPEN	FG9	Air and Missile Defense (AMD) Electronic Warfare	FPFB	Air/Missile Defense Battle Management C4I AMDBMC4I
643327S25FPFB	2003	OPEN	S25	ARMY SIAP OPERATIONAL INTEGRATION	FPFB	Air/Missile Defense Battle Management C4I AMDBMC4I
643327S34FPDG	2003	OPEN	S34	AMD SYSTEM OF SYSTEMS ENGINEERING AND INTEGRATION	FPDG	Operational / Tactical Sensors
643619	**Close Combat Systems Adv Dev**				**Budget Line Item:**	**0603619A**
643619606RF02	1992	OPEN	606	Cntrmn/Barrier Adv Dev	RF02	Counter Explosive Hazards

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
643619BU5FPSN	2019	OPEN	BU5	Standoff Volcano Obstacle (SAVO) Adv Tech	FPSN	Mines And Munitions
643619EK7FPSN	2015	OPEN	EK7	Area Denial Capability Development	FPSN	Mines And Munitions

643627 Smoke, Obscurity and Target Defeating Sys AD

Budget Line Item: 0603627A

643627E79FSPS	2011	OPEN	E79	SMOKE/OBSCURANT SYSTEM	FSPS	CBRN Soldier Protection
643627E79RG04	1992	OPEN	E79	SMOKE/OBSCURANT SYSTEM	RG04	Protective Systems

643639 Weapons and Munitions - Advanced Development

Budget Line Item: 0603639A

643639652RE01	2009	OPEN	652	M829E4 120mm Cartridge	RE01	Training Ammunition
643639656FPSM	1994	OPEN	656	120mm Cartridge (Advanced Multipurpose-AMP)	FPSM	Maneuver Ammunition System (MAS)
643639694FPSM	2000	OPEN	694	Medium Caliber Ammunition	FPSM	Maneuver Ammunition System (MAS)
643639694RE01	2000	OPEN	694	Medium Caliber Ammunition	RE01	Training Ammunition
643639BQ4FPCA	2019	OPEN	BQ4	155mm Artillery Propulsion XM654	FPCA	Modernization Priority Long Range Precision Fires
643639BQ4FPDH	2019	OPEN	BQ4	155mm Artillery Propulsion XM654	FPDH	Target Acquisition Sensors
643639EB8RE06	2014	OPEN	EB8	OWL for Small Caliber Ammunition	RE06	War and Operations Ammunition
643639EB9RE06	2014	OPEN	EB9	Aviation Airborne Expendable Countermeasures	RE06	War and Operations Ammunition
643639EC2RE06	2014	OPEN	EC2	Adv Armor-Piercing (ADVAP) for Small Cal Ammo	RE06	War and Operations Ammunition
643639EC3RE01	2014	OPEN	EC3	Ammunition Logistics Prototyping	RE01	Training Ammunition
643639EC3RE06	2014	OPEN	EC3	Ammunition Logistics Prototyping	RE06	War and Operations Ammunition
643639EL7RE01	2016	OPEN	EL7	Reduced Range Ammunition	RE01	Training Ammunition
643639EL8RE06	2015	2019	EL8	LIGHTWEIGHT CARTRIDGE CASE FOR SMALL CALIBER	RE06	War and Operations Ammunition
643639EU1RE06	2016	OPEN	EU1	Enhanced Lethality Cannon Munitions	RE06	War and Operations Ammunition
643639EU2RE06	2016	OPEN	EU2	Improved Multi-Option Fuze (iMOFA/iMOFM)	RE06	War and Operations Ammunition
643639EU3RE06	2018	OPEN	EU3	.50 Caliber All-Purpose Tactical Cartridge (APTC)	RE06	War and Operations Ammunition
643639FA5FPCF	2019	OPEN	FA5	Assured Precision Weapons and Munitions	FPCF	Modernization Priority Assured PNT
643639FA5RE01	2016	OPEN	FA5	Assured Precision Weapons and Munitions	RE01	Training Ammunition
643639FG1RE06	2018	OPEN	FG1	Cannon-Delivered Area Effects Munitions (C-DAEM)	RE06	War and Operations Ammunition
643639XT5FPLE	2017	OPEN	XT5	30mm Anti-Personnel and Counter UAS	FPLE	Aviation Rockets And Missiles

643645 Armored Systems Modernization Adv Dev

Budget Line Item: 0603645A

643645EV7FPCB	2019	OPEN	EV7	Combat Vehicle Prototyping	FPCB	Modernization Priority Next Generation Combat Veh
643645EV7FPSV	2016	OPEN	EV7	Combat Vehicle Prototyping	FPSV	Future Fighting Vehicle (FFV)

643653 Advanced Tank Armament System

Budget Line Item: 0603653A

643653C03FPST	2001	OPEN	C03	Interim Armored Vehicle (IAV) Family	FPST	Stryker
643653C51FPST	2007	OPEN	C51	STRYKER MODERNIZATION	FPST	Stryker
643653VT2FPST	2008	OPEN	VT2	STRYKER DOUBLE V	FPST	Stryker

643747 Soldier Support and Survivability

Budget Line Item: 0603747A

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
643747610FPFJ	1992	OPEN	610	Food Adv Development	FPFJ	Army Battle Command System Integration
643747610RJS2	1992	OPEN	610	Food Adv Development	RJS2	Combat Service Support (CSS) Equipment
643747669RJS2	1992	OPEN	669	CLOTHING AND EQUIPMENT	RJS2	Combat Service Support (CSS) Equipment
643747C08VIRQ	2004	OPEN	C08	Rapid Equipping Force	VIRQ	Operation New Dawn
643747C08VREF	2007	OPEN	C08	Rapid Equipping Force	VREF	Rapid Equipping Soldier Support
643747EL1RJS2	2013	OPEN	EL1	Army Field Feeding Programs	RJS2	Combat Service Support (CSS) Equipment
643766	**Tactical Support Development - Adv Dev (MIP)**				**Budget Line Item:**	**0603766A**
643766907FPCF	2019	OPEN	907	Tactical Exploitation Of National Capabilities-MIP	FPCF	Modernization Priority Assured PNT
643766907FPDP	1992	OPEN	907	Tactical Exploitation Of National Capabilities-MIP	FPDP	Distributed Common Ground System, Army (DCGS-A)
643774	**Night Vision System Advanced Development**				**Budget Line Item:**	**0603774A**
643774131FPDT	1993	OPEN	131	NIGHT VISION SYS A/DEV	FPDT	Second Generation FLIR/Own the Night
643774BQ5FPCD	2019	OPEN	BQ5	Visual Augmentation System Advanced Development	FPCD	Modernization Priority Soldier Lethality
643774BQ5FPDE	2019	OPEN	BQ5	Visual Augmentation System Advanced Development	FPDE	Night Vision
643774VT7FPCD	2019	OPEN	VT7	Soldier Maneuver Sensors - Adv Dev	FPCD	Modernization Priority Soldier Lethality
643774VT7FPDE	2009	OPEN	VT7	Soldier Maneuver Sensors - Adv Dev	FPDE	Night Vision
643774VT8RB12	2009	OPEN	VT8	SOLDIER PRECISION TARGETING DEVICES - ADV DEV	RB12	Artillery Accuracy Equipment
643779	**Environmental Quality Technology Dem/Val**				**Budget Line Item:**	**0603779A**
643779035FPFJ	1999	OPEN	035	National Defense Cntr For Enviro Excellence	FPFJ	Army Battle Command System Integration
643779035VEQT	2000	OPEN	035	National Defense Cntr For Enviro Excellence	VEQT	Environmental Quality Technology
64377904EVEQT	2001	OPEN	04E	Military Materials & Restoration Tech Dem/Val	VEQT	Environmental Quality Technology
643779E21FPFJ	2005	OPEN	E21	Environmental Quality Technology Dem/Val	FPFJ	Army Battle Command System Integration
643779E21RK19	2005	OPEN	E21	Environmental Quality Technology Dem/Val	RK19	C4 Technology
643779E21VEQT	2005	OPEN	E21	Environmental Quality Technology Dem/Val	VEQT	Environmental Quality Technology
643779E23VEQT	2004	OPEN	E23	ENVIRONMENTAL MANAGEMENT SYSTEM (EMS) PILOT IN DOD	VEQT	Environmental Quality Technology
643779EN4VEQT	2000	OPEN	EN4	PLASMA ENERGY PYROLYSIS SYSTEM (PEPS)	VEQT	Environmental Quality Technology
643779EP1VEQT	2005	OPEN	EP1	ENVIRONMENTAL QUALITY TECH DEM/VAL (CA)	VEQT	Environmental Quality Technology
643782	**WARFIGHTER INFORMATION NETWORK-TACTICAL - DEM/VAL**				**Budget Line Item:**	**0603782A**
643782367FPMC	2008	OPEN	367	Win-T Increment 2 -Initial Networking	FPMC	Tactical Network Communications
643782372FPMC	2008	OPEN	372	WIN-T Increment 3 - Full Networking	FPMC	Tactical Network Communications
643782DU7FPMC	2010	2016	DU7	HOST BASED SECURITY SYSTEM (HBSS)	FPMC	Tactical Network Communications
643790	**NATO RESEARCH AND DEVELOPMENT**				**Budget Line Item:**	**0603790A**
643790691VRSI	1996	OPEN	691	NATO Rsch & Devel	VRSI	Standardization and Interoperability Programs
643801	**Aviation Advanced Development**				**Budget Line Item:**	**0603801A**
643801B32RD15	1992	OPEN	B32	Adv Maint Concepts/Eq	RD15	Aviation Ground Support Equipment

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
643801B47FPCG	2019	OPEN	B47	Future Vertical Lift	FPCG	Modernization Priority Future Vertical Lift
643801B47RD13	2011	OPEN	B47	Future Vertical Lift	RD13	Utility Fixed Wing Aircraft
643801B47RD15	2007	OPEN	B47	Future Vertical Lift	RD15	Aviation Ground Support Equipment
643801F12FPCG	2019	OPEN	F12	Future Attack Reconnaissance Aircraft	FPCG	Modernization Priority Future Vertical Lift
643801F12RD13	2007	OPEN	F12	Future Attack Reconnaissance Aircraft	RD13	Utility Fixed Wing Aircraft
643801F12RD15	2007	OPEN	F12	Future Attack Reconnaissance Aircraft	RD15	Aviation Ground Support Equipment
643804	**Logistics and Engineer Equipment Adv Dev**				**Budget Line Item:**	**0603804A**
643804526RJM5	2000	OPEN	526	Marine Orien Log Eq Ad	RJM5	Army Watercraft
643804EW8RF08	2016	OPEN	EW8	Armored Engineer Vehicles	RF08	Armored Engineer Vehicles
643804G11RJC9	1992	OPEN	G11	Adv Elec Energy Con Ad	RJC9	Tactical Electric Power
643804G14RJC7	1992	OPEN	G14	Materials Handling Equipment - Ad	RJC7	Materiel Handling Equipment (MHE)
643804K39FPJB	1992	OPEN	K39	Field Sustainment Support Ad	FPJB	Light Tactical Vehicle (LTV) Systems
643804K39RJS2	1992	OPEN	K39	Field Sustainment Support Ad	RJS2	Combat Service Support (CSS) Equipment
643804K41RJL7	1992	OPEN	K41	Water And Petroleum Distribution - Ad	RJL7	Liquid Logistics (Fuel and Water) Equipment
643804K42RN08	2007	2019	K42	MATERIEL SUSTAINMENT SUPPORT AD	RN08	Production Base/Base-Level Commercial Equipment
643804L04FPJB	2007	OPEN	L04	JOINT LIGHT TACTICAL VEHICLE (JLTV) - AD	FPJB	Light Tactical Vehicle (LTV) Systems
643804VR8RJS2	2011	OPEN	VR8	Combat Service Support Systems - Ad	RJS2	Combat Service Support (CSS) Equipment
643805	**Combat Svc Spt Control Sys Evaluation & Analysis**				**Budget Line Item:**	**0603805A**
643805091FPFK	1992	2017	091	CBT Svc Spt Contrl Sy Svc Spt Contrll Sys	FPFK	Combat Service Support (CSS) Central
643807	**Medical Systems Advanced Development**				**Budget Line Item:**	**0603807A**
643807808FL8D	1992	OPEN	808	DoD Drug & Vacc Ad	FL8D	Combat Support Medical
643807808RK03	1992	OPEN	808	DoD Drug & Vacc Ad	RK03	Medical Technology
643807811FL8D	1992	OPEN	811	Mil HIV Vac&Drug Dev	FL8D	Combat Support Medical
643807811RK03	1992	OPEN	811	Mil HIV Vac&Drug Dev	RK03	Medical Technology
643807836FL8D	1992	OPEN	836	Field Medical Systems Advanced Development	FL8D	Combat Support Medical
643807836RK01	1992	OPEN	836	Field Medical Systems Advanced Development	RK01	Research-Technology Base
643807836RK03	1992	OPEN	836	Field Medical Systems Advanced Development	RK03	Medical Technology
643807837FL8D	1992	OPEN	837	SOLDIER SYS PROT-AD	FL8D	Combat Support Medical
643807CS4FL8D	2007	OPEN	CS4	MEDICAL SYSTEMS ADV DEV INITIATIVES (CA)	FL8D	Combat Support Medical
643807FF4VCND	2015	OPEN	FF4	Counterdrug, DDR, Sys Development & Demonstration	VCND	Counternarcotics (SDR / DDR)
643807VS7FL8D	2010	OPEN	VS7	MEDEVAC Mission Equipment Package (MEP) - Adv Dev	FL8D	Combat Support Medical
643827	**Soldier Systems - Advanced Development**				**Budget Line Item:**	**0603827A**
643827CF2FPCD	2019	OPEN	CF2	Integrated Soldier Systems Prototyping (SL CFT)	FPCD	Modernization Priority Soldier Lethality
643827CF2RJS1	2019	OPEN	CF2	Integrated Soldier Systems Prototyping (SL CFT)	RJS1	Soldier Modernization

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
643827ET8RJS1	2016	OPEN	ET8	Personnel Airdrop System Development	RJS1	Soldier Modernization
643827S49RJS1	2007	OPEN	S49	Ground Soldier System (GSS)	RJS1	Soldier Modernization
643827S51FPEE	2005	OPEN	S51	Aircrew Integrated Sys Ad	FPEE	Aircrew Integrated Systems
643827S52FPDT	2005	OPEN	S52	Soldier Support Equipment - Ad	FPDT	Second Generation FLIR/Own the Night
643827S52FSPS	2011	2016	S52	Soldier Support Equipment - Ad	FSPS	CBRN Soldier Protection
643827S52RG04	2005	OPEN	S52	Soldier Support Equipment - Ad	RG04	Protective Systems
643827S52RL07	2005	OPEN	S52	Soldier Support Equipment - Ad	RL07	Test and Evaluation Instrumentation
643827S53RJS1	2005	OPEN	S53	Clothing And Equipment	RJS1	Soldier Modernization
643827S54FPCD	2019	OPEN	S54	Small Arms Improvement	FPCD	Modernization Priority Soldier Lethality
643827S54RA11	2005	OPEN	S54	Small Arms Improvement	RA11	Small Arms
643827S55RA11	2005	OPEN	S55	Counter-Defilade Target Engagement	RA11	Small Arms
643827VS4RJS1	2010	OPEN	VS4	Soldier Protective Equipment	RJS1	Soldier Modernization
643827XU8RA11	2016	OPEN	XU8	Remotely Operated Aerial Missile Sys	RA11	Small Arms
643850	**INTEGRATED BROADCAST SERVICE (MIP)**				**Budget Line Item:**	**0603850A**
643850472FPDD	2001	OPEN	472	Integrated Broadcast Service (MIP)	FPDD	Joint Tactical Terminal (JTT)
644017	**Robotics Development**				**Budget Line Item:**	**0604017A**
644017CF4FPCB	2019	OPEN	CF4	Robotic Combat Vehicle (RCV) NGCV-CFT	FPCB	Modernization Priority Next Generation Combat Veh
644017CF4RJS3	2019	OPEN	CF4	Robotic Combat Vehicle (RCV) NGCV-CFT	RJS3	Unmanned Soldier Systems
644017FD2RJS3	2016	OPEN	FD2	Soldier Robotics Systems	RJS3	Unmanned Soldier Systems
644017FD3RJS1	2017	OPEN	FD3	Battery Modernization & Interface Standardization	RJS1	Soldier Modernization
644017FD9RJS3	2016	OPEN	FD9	Robotics Systems	RJS3	Unmanned Soldier Systems
644020	**CFT Advanced Development & Prototyping**				**Budget Line Item:**	**0604020A**
644020CF1FPCE	2019	OPEN	CF1	CFT Advanced Development & Prototyping	FPCE	Modernization Priority Network C3I
644020CF1RK23	2018	OPEN	CF1	CFT Advanced Development & Prototyping	RK23	Technology Maturation Initiatives
644021	**Electronic Warfare Technology Maturation (MIP)**				**Budget Line Item:**	**0604021A**
644021AW7FPDL	2019	OPEN	AW7	Electronic Warfare Technology Maturation (MIP)	FPDL	Intel and Electronic Warfare Ground Collection
644100	**Analysis Of Alternatives**				**Budget Line Item:**	**0604100A**
644100EC7X4SA	2012	OPEN	EC7	Analysis Of Alternatives	X4SA	Army Acquisition Executive Support
644113	**Future Tactical Unmanned Aircraft System (FTUAS)**				**Budget Line Item:**	**0604113A**
644113EX8FL6P	2018	OPEN	EX8	Future Tactical Unmanned Aircraft System (FTUAS)	FL6P	Unmanned Aerial Systems (UAS)
644113EX8FPCG	2019	OPEN	EX8	Future Tactical Unmanned Aircraft System (FTUAS)	FPCG	Modernization Priority Future Vertical Lift
644114	**Lower Tier Missile Defense (LTAMD) Capability**				**Budget Line Item:**	**0604114A**
644114EX2FPCC	2019	OPEN	EX2	Lower Tier Air Missile Defense (LTAMD) Capability	FPCC	Modernization Priority Air and Missile Defense
644114EX2FPQG	2016	OPEN	EX2	Lower Tier Air Missile Defense (LTAMD) Capability	FPQG	Low Tier Air and Missile Defense/MSE

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
644115	**Technology Maturation Initiatives**					**Budget Line Item: 0604115A**
644115AX4FPCG	2019	OPEN	AX4	Computational Prototyping Environment (CPE)	FPCG	Modernization Priority Future Vertical Lift
644115AX4RK13	2019	OPEN	AX4	Computational Prototyping Environment (CPE)	RK13	Air Platform Technology
644115AX5FPCB	2019	OPEN	AX5	Next Generation Close Combat Missile	FPCB	Modernization Priority Next Generation Combat Veh
644115AX5RK17	2019	OPEN	AX5	Next Generation Close Combat Missile	RK17	Ground Platform Technology
644115AX6FPCB	2019	OPEN	AX6	Active Protection Systems Integration	FPCB	Modernization Priority Next Generation Combat Veh
644115AX6RK17	2019	OPEN	AX6	Active Protection Systems Integration	RK17	Ground Platform Technology
644115AX7FPCC	2019	OPEN	AX7	Multi-Mission High Energy Laser (MMHEL) Sys Demo	FPCC	Modernization Priority Air and Missile Defense
644115AX7RK16	2019	OPEN	AX7	Multi-Mission High Energy Laser (MMHEL) Sys Demo	RK16	Lethality Technology
644115AX8FPCB	2019	OPEN	AX8	Adv Leth and Accuracy Sys for Med Calber (ALAS-MC)	FPCB	Modernization Priority Next Generation Combat Veh
644115AX8RK17	2019	OPEN	AX8	Adv Leth and Accuracy Sys for Med Calber (ALAS-MC)	RK17	Ground Platform Technology
644115AX9FPCB	2019	OPEN	AX9	Adv Mobility Experimental Prototype Adv Tech	FPCB	Modernization Priority Next Generation Combat Veh
644115AX9RK17	2019	OPEN	AX9	Adv Mobility Experimental Prototype Adv Tech	RK17	Ground Platform Technology
644115AY1FPCB	2019	OPEN	AY1	MUM-T Platform Enabler	FPCB	Modernization Priority Next Generation Combat Veh
644115AY1RK17	2019	OPEN	AY1	MUM-T Platform Enabler	RK17	Ground Platform Technology
644115AY2FPCA	2019	OPEN	AY2	Army Operational Fires	FPCA	Modernization Priority Long Range Precision Fires
644115AY2RK16	2019	OPEN	AY2	Army Operational Fires	RK16	Lethality Technology
644115AY3FPCA	2019	OPEN	AY3	Strategic Long Range Cannon	FPCA	Modernization Priority Long Range Precision Fires
644115AY3RK16	2019	OPEN	AY3	Strategic Long Range Cannon	RK16	Lethality Technology
644115DS3FPFJ	2010	OPEN	DS3	Technology Maturation Initiatives	FPFJ	Army Battle Command System Integration
644115DS3RK02	2010	2016	DS3	Technology Maturation Initiatives	RK02	Force Protection Technology
644115DS3RK23	2011	OPEN	DS3	Technology Maturation Initiatives	RK23	Technology Maturation Initiatives
644115DX1RK23	2011	OPEN	DX1	Analysis Of Alternatives	RK23	Technology Maturation Initiatives
644115EX3RK23	2016	OPEN	EX3	Ground Vehicle Prototyping	RK23	Technology Maturation Initiatives
644117	**Short Range Air Defense (M-SHORAD)**					**Budget Line Item: 0604117A**
644117FI4FPCC	2019	OPEN	FI4	Maneuver - Short Range Air Defense (M-SHORAD)	FPCC	Modernization Priority Air and Missile Defense
644117FI4FPDG	2017	OPEN	FI4	Maneuver - Short Range Air Defense (M-SHORAD)	FPDG	Operational / Tactical Sensors
644117FI4FPLW	2017	OPEN	FI4	Maneuver - Short Range Air Defense (M-SHORAD)	FPLW	Indirect Fire Protection Capability
644118	**TRACTOR BEAM**					**Budget Line Item: 0604118A**
644118XW0FPED	2016	OPEN	XW0	TRACTOR BEAM	FPED	Aircraft Survivability Equipment (ASE)
644119	**Army Advanced Component Development & Prototyping**					**Budget Line Item: 0604119A**
644119BR2FPQU	2019	OPEN	BR2	Advanced Component Development & Prototyping	FPQU	Combat Technology Leadership Initiatives
644120	**Assured Positioning, Navigation and Timing (PNT)**					**Budget Line Item: 0604120A**
644120ED5FPMA	2013	OPEN	ED5	Assured Positioning, Navigation and Timing (PNT)	FPMA	Navstar Global Positioning System (GPS)

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
644120EH8FPMA	2015	OPEN	EH8	DISMOUNTED	FPMA	Navstar Global Positioning System (GPS)
644120EH9FPMA	2015	OPEN	EH9	PSEUDOLITES	FPMA	Navstar Global Positioning System (GPS)
644120EH9RE01	2015	OPEN	EH9	PSEUDOLITES	RE01	Training Ammunition
644120EJ2FPMA	2015	OPEN	EJ2	MOUNTED	FPMA	Navstar Global Positioning System (GPS)
644120EJ3FPMA	2015	OPEN	EJ3	ANTI-JAM ANTENNA	FPMA	Navstar Global Positioning System (GPS)
644121	**Synthetic Training Environment Refine & Prototype**				**Budget Line Item:**	**0604121A**
644121FD6FPCH	2019	OPEN	FD6	Synthetic Training Environment Refine & Prototype	FPCH	Modernization Priority: Synthetic Tng Envr onlyS&T
644121FD6JATT	2017	OPEN	FD6	Synthetic Training Environment Refine & Prototype	JATT	Modernization Priority: Synthetic Tng Envr nonS&T
644121SV1FPCH	2019	OPEN	SV1	Soldier/Squad Virtual Trainer	FPCH	Modernization Priority: Synthetic Tng Envr onlyS&T
644121SV1JATT	2019	OPEN	SV1	Soldier/Squad Virtual Trainer	JATT	Modernization Priority: Synthetic Tng Envr nonS&T
644131	**TRACTOR JUTE**				**Budget Line Item:**	**0604131A**
644131DT1FASP	2011	OPEN	DT1	TRACTOR JUTE	FASP	Army Space/Missile Defense Command
644182	**Hypersonics**				**Budget Line Item:**	**0604182A**
644182HX1FPCA	2019	OPEN	HX1	Long-Range Hypersonic Weapon	FPCA	Modernization Priority Long Range Precision Fires
644182HX1FPLF	2019	OPEN	HX1	Long-Range Hypersonic Weapon	FPLF	Multiple Launch Rocket System (MLRS)
644319	**Indirect Fire Protection Capability Increment 2**				**Budget Line Item:**	**0604319A**
644319DU3FPLW	2012	OPEN	DU3	IFPC2	FPLW	Indirect Fire Protection Capability
644403	**Future Interceptor**				**Budget Line Item:**	**0604403A**
644403FM3FPQG	2019	OPEN	FM3	Future Interceptor	FPQG	Low Tier Air and Missile Defense/MSE
644541	**Unified Network Transport**				**Budget Line Item:**	**0604541A**
644541BT1FPCE	2019	OPEN	BT1	Interoperability	FPCE	Modernization Priority Network C3I
644541BT1FPFP	2019	OPEN	BT1	Interoperability	FPFP	Tactical Battle Command (TBC)
644541BT2FPCE	2019	OPEN	BT2	Command Post Mobility/Survivability	FPCE	Modernization Priority Network C3I
644541BT2FPMC	2019	OPEN	BT2	Command Post Mobility/Survivability	FPMC	Tactical Network Communications
644541BT3FPCE	2019	OPEN	BT3	Common Operating Environment (COE)	FPCE	Modernization Priority Network C3I
644541BT3FPFP	2019	OPEN	BT3	Common Operating Environment (COE)	FPFP	Tactical Battle Command (TBC)
644541BT4FPCE	2019	OPEN	BT4	Network Technology Maturation Initiatives (NTMI)	FPCE	Modernization Priority Network C3I
644541BT4FPMC	2019	OPEN	BT4	Network Technology Maturation Initiatives (NTMI)	FPMC	Tactical Network Communications
644541BT5FPCE	2019	OPEN	BT5	Integrated Tactical Network/Enterprise Network	FPCE	Modernization Priority Network C3I
644541BT5FPMC	2019	OPEN	BT5	Integrated Tactical Network/Enterprise Network	FPMC	Tactical Network Communications
644644	**Mobile Medium Range Missile**				**Budget Line Item:**	**0604644A**
644644MR1FPLF	2019	OPEN	MR1	Mobile Intermediate Range Missile	FPLF	Multiple Launch Rocket System (MLRS)
644775	**Defense Rapid Innovation Program**				**Budget Line Item:**	**0604775A**
644775DT7RK02	2010	OPEN	DT7	RESEARCH AND DEVELOPMENT INNOVATION	RK02	Force Protection Technology

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
644785	**Integrated Base Defense**					**Budget Line Item: 0604785A**
644785DS4RG04	2010	OPEN	DS4	Integrated Base Defense	RG04	Protective Systems
05	**System Development & Demonstration**					
155117	**Tractor Bears**					**Budget Line Item: 1205117A**
155117FG3FASP	2017	OPEN	FG3	Tractor Bears	FASP	Army Space/Missile Defense Command
353032	**TROJAN - RH12 - MIP**					**Budget Line Item: 0303032A**
353032RH5GPIS	2010	OPEN	RH5	TROJAN - RH12 - MIP	GPIS	Intelligence Support to Operations
353032RH5GPIT	2017	OPEN	RH5	TROJAN - RH12 - MIP	GPIT	Army Intelligence related IT systems and networks
353167	**Pre-Auction Spectrum Relocation Fund**					**Budget Line Item: 0303167A**
353167ER1MU17	2006	2017	ER1	Pre-Auction Spectrum Relocation Fund	MU17	Army Enterprise Architecture (AEA)
353267	**Auctioned Spectrum Relocation Fund**					**Budget Line Item: 0303267A**
353267XR2FADI	2015	2019	XR2	Auctioned Spectrum Relocation Fund	FADI	Army Spectrum Management
353267XR2FPEL	2015	OPEN	XR2	Auctioned Spectrum Relocation Fund	FPEL	AH-64E Apache Guardian
353267XR2MU17	2015	2018	XR2	Auctioned Spectrum Relocation Fund	MU17	Army Enterprise Architecture (AEA)
353367	**Spectrum Access Research and Development**					**Budget Line Item: 0303367A**
353367FH7FADI	2016	OPEN	FH7	Spectrum Usage Measurement System (SUMS)	FADI	Army Spectrum Management
353367FH8FADI	2016	OPEN	FH8	DSA Rule Development and Validation	FADI	Army Spectrum Management
353367FH9FADI	2016	OPEN	FH9	Flightline Radio network with Seamless Handoff	FADI	Army Spectrum Management
353367FI1FADI	2016	OPEN	FI1	Space-Time Coding - Aeronautical Mobile Telemetry	FADI	Army Spectrum Management
353367XR4FADI	2015	OPEN	XR4	Military Full Duplex Communication (MFD-COMM)	FADI	Army Spectrum Management
353367XR5FADI	2015	OPEN	XR5	SRW NB Relocation to VHF-UHF (DIST C)	FADI	Army Spectrum Management
353367XR6FADI	2015	OPEN	XR6	Enhancing Coexistence for Army Force Protection	FADI	Army Spectrum Management
353367XR7FADI	2015	OPEN	XR7	Conformal C-Band/Multiband Antennas	FADI	Army Spectrum Management
353367XR8FADI	2015	OPEN	XR8	Spectrum Aggregation Technologies (SAT)	FADI	Army Spectrum Management
353367XR9FADI	2015	OPEN	XR9	Cellular-Based Range Telemetry (CRTM)	FADI	Army Spectrum Management
353367XS1FADI	2015	OPEN	XS1	Coded APSK for Improved Spectral Efficiency in AMT	FADI	Army Spectrum Management
353367XS2FADI	2015	OPEN	XS2	NexGen Spectrum Situational Awareness System FOUO	FADI	Army Spectrum Management
353367XS3FADI	2015	OPEN	XS3	SLATE ATD Spectrum Cohabitation Demo	FADI	Army Spectrum Management
353367XS4FADI	2015	OPEN	XS4	Training Spectrum Cohabitation Demonstration	FADI	Army Spectrum Management
353367XS5FADI	2015	OPEN	XS5	EM Spectrum Situation Awareness Operating Picture	FADI	Army Spectrum Management
353367XS6FADI	2015	OPEN	XS6	MIMO Technologies for JTRS	FADI	Army Spectrum Management
353367XS7FADI	2015	OPEN	XS7	Polyphase Precision Navigation & Timing Reference	FADI	Army Spectrum Management
353367XS8FADI	2015	OPEN	XS8	EMS SA and C2 w/ wideband sensors data analytics	FADI	Army Spectrum Management
353367XS9FADI	2015	OPEN	XS9	STELLAR BEAM: BLOS SATCOM for SUAS	FADI	Army Spectrum Management

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
353367XT1FADI	2015	OPEN	XT1	Spectrum Aware Tactical Radio	FADI	Army Spectrum Management
354270	**Electronic Warfare Development - MIP**				**Budget Line Item:**	**0304270A**
354270EW5FPDL	2010	OPEN	EW5	Electronic Warfare Development - MIP	FPDL	Intel and Electronic Warfare Ground Collection
354270EW6FPDL	2009	OPEN	EW6	ARAT-TSS - MIP	FPDL	Intel and Electronic Warfare Ground Collection
354270EW6GPIS	2009	OPEN	EW6	ARAT-TSS - MIP	GPIS	Intelligence Support to Operations
650609	**Paladin Integrated Management (PIM)**				**Budget Line Item:**	**0210609A**
650609ED8FPHB	2014	OPEN	ED8	Paladin Integrated Management (PIM)	FPHB	Self-Propelled Howitzers
654201	**Aircraft Avionics**				**Budget Line Item:**	**0604201A**
654201C97FPEP	1992	OPEN	C97	ACFT Avionics	FPEP	Avionics
654201EW7FPEP	2016	OPEN	EW7	Degraded Visual Environment	FPEP	Avionics
654201VU3FPEP	2011	OPEN	VU3	Networking And Mission Planning	FPEP	Avionics
654220	**Armed, Deployable OH-58D**				**Budget Line Item:**	**0604220A**
654220538FPEF	1992	OPEN	538	Kiowa Warrior	FPEF	Kiowa Warrior
65422053HFPES	2004	2017	53H	ARMED RECONNAISSANCE HELICOPTER (ARH)	FPES	Armed Aerial Scout (AAS)
65422053ZFPES	2008	2017	53Z	Armed Scout Helicopter	FPES	Armed Aerial Scout (AAS)
654270	**EW Development**				**Budget Line Item:**	**0604270A**
654270665FPED	1992	OPEN	665	A/C Surv Equip Dev	FPED	Aircraft Survivability Equipment (ASE)
654270DX5FPM	2013	OPEN	DX5	Electronic Warfare And Management Tool	FPMM	Tactical Radios
654270DX6FPM	2013	2016	DX6	Multi-Function Electronic Warfare (MFEW)	FPMM	Tactical Radios
654270DX6RH01	2013	OPEN	DX6	Multi-Function Electronic Warfare (MFEW)	RH01	Tactical Intelligence and Exploitation
654270ET7FPMA	2016	OPEN	ET7	Radio Frequency Interference Mitigation	FPMA	Navstar Global Positioning System (GPS)
654270L12FPDL	1992	OPEN	L12	Signals Warfare Development (MIP)	FPDL	Intel and Electronic Warfare Ground Collection
654270L13FASP	2007	OPEN	L13	COUNTER-IEDS	FASP	Army Space/Missile Defense Command
654270L13FPDL	2007	OPEN	L13	COUNTER-IEDS	FPDL	Intel and Electronic Warfare Ground Collection
654270L13RH01	2007	OPEN	L13	COUNTER-IEDS	RH01	Tactical Intelligence and Exploitation
654270L15FPDL	1992	OPEN	L15	ARAT-TSS	FPDL	Intel and Electronic Warfare Ground Collection
654270L16GPIS	2001	OPEN	L16	TROJAN DEVELOPMENT (MIP)	GPIS	Intelligence Support to Operations
654270L20FPED	1999	OPEN	L20	ATIRCM/CMWS	FPED	Aircraft Survivability Equipment (ASE)
654270VS6FPMM	2011	OPEN	VS6	Integrated Electronic Warfare Systems	FPMM	Tactical Radios
654270VS6RB12	2011	OPEN	VS6	Integrated Electronic Warfare Systems	RB12	Artillery Accuracy Equipment
654270VS6RH01	2011	OPEN	VS6	Integrated Electronic Warfare Systems	RH01	Tactical Intelligence and Exploitation
654270VU7FPED	2010	OPEN	VU7	Common Missile Warning System	FPED	Aircraft Survivability Equipment (ASE)
654270VU8FPED	2010	OPEN	VU8	Common Infrared Counter Measure	FPED	Aircraft Survivability Equipment (ASE)
654280	**Joint Tactical Radio System**				**Budget Line Item:**	**0604280A**

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
654280162FPMM	1998	OPEN	162	Network Enterprise Domain (NED)	FPMM	Tactical Radios
654280DZ5FPM	2013	OPEN	DZ5	Handheld, Manpack and Small Form Fit (JTRS HMS)	FPMM	Tactical Radios
654290	**Mid-Tier Wideband Networking Vehicular Radio**				**Budget Line Item:**	**0604290A**
654290DW1FPM	2012	OPEN	DW1	Mid-Tier Wideband Networking Vehicular Radio Mnvr	FPMM	Tactical Radios
654321	**All Source Analysis System**				**Budget Line Item:**	**0604321A**
654321B19FPFV	2004	2017	B19	ASAS EVOLUTIONARY ACQ (MIP)	FPFV	Knowledge Visualization System (KVS)
654321B41FPFE	1998	2019	B41	CI/HUMINT Software Products (MIP)	FPFE	CounterIntel/HUMINT Reporting and Collection
654321B44FPFV	2004	2017	B44	ASAS TADSS (MIP)	FPFV	Knowledge Visualization System (KVS)
654321B49FPFE	2004	2019	B49	CHIMS TADSS (MIP)	FPFE	CounterIntel/HUMINT Reporting and Collection
654321B51FPFE	2007	2019	B51	Machine - Foreign Language Translation System	FPFE	CounterIntel/HUMINT Reporting and Collection
654328	**Multi-Purpose Information Operations Systems**				**Budget Line Item:**	**0604328A**
654328C71RH01	1992	OPEN	C71	Tractor Cage	RH01	Tactical Intelligence and Exploitation
654601	**INFANTRY SUPPORT WEAPONS**				**Budget Line Item:**	**0604601A**
654601033RA11	1995	OPEN	033	ADV CREW SVC WPN	RA11	Small Arms
654601CF3FPCD	2019	OPEN	CF3	Integrated Soldier Systems (SL CFT)	FPCD	Modernization Priority Soldier Lethality
654601CF3RJS1	2019	OPEN	CF3	Integrated Soldier Systems (SL CFT)	RJS1	Soldier Modernization
654601ES9RJS1	2016	OPEN	ES9	Advanced Tactical Parachute System	RJS1	Soldier Modernization
654601EW4RA11	2016	OPEN	EW4	Crew Served Weapons Engineering Development	RA11	Small Arms
654601FF2FPCD	2019	OPEN	FF2	Small Arms Fire Control	FPCD	Modernization Priority Soldier Lethality
654601FF2RA11	2016	OPEN	FF2	Small Arms Fire Control	RA11	Small Arms
654601FI2RA11	2017	OPEN	FI2	Lightweight 30mm Cannon	RA11	Small Arms
654601FL8RA11	2019	OPEN	FL8	84mm MAAWS Ammunition	RA11	Small Arms
654601FM4FPCD	2019	OPEN	FM4	Next Generation Squad Weapons	FPCD	Modernization Priority Soldier Lethality
654601FM4RA11	2019	OPEN	FM4	Next Generation Squad Weapons	RA11	Small Arms
654601S58RJS1	2005	OPEN	S58	Soldier Enhancement Program	RJS1	Soldier Modernization
654601S60RJS1	2005	OPEN	S60	Clothing & Equipment	RJS1	Soldier Modernization
654601S61FPEE	2005	OPEN	S61	Acis Engineering Development	FPEE	Aircrew Integrated Systems
654601S62RA11	2005	OPEN	S62	Counter-Defilade Target Engagement - SDD	RA11	Small Arms
654601S63RA11	2005	OPEN	S63	Individual Weapons Engineering Development	RA11	Small Arms
654601S64RA11	2005	OPEN	S64	Common Remotely Operated Wpn Sys (CROWS)	RA11	Small Arms
654601S70FPEE	2008	OPEN	S70	Personnel Recovery Support System (PRSS)	FPEE	Aircrew Integrated Systems
654601S70RJS1	2008	OPEN	S70	Personnel Recovery Support System (PRSS)	RJS1	Soldier Modernization
654601VS5RJS1	2010	OPEN	VS5	Soldier Protective Equipment	RJS1	Soldier Modernization
654604	**MEDIUM TACTICAL VEHICLES**				**Budget Line Item:**	**0604604A**

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
654604H07FPJC	1992	OPEN	H07	Family Of Med Tac Veh	FPJC	Medium Tactical Vehicle (MTV) Systems
654604H07RG04	1992	OPEN	H07	Family Of Med Tac Veh	RG04	Protective Systems
654609	**Smoke, Obscurant and Target Defeating Sys ED**				**Budget Line Item:**	**0604609A**
654609198RG04	2001	OPEN	198	Target Defeating System	RG04	Protective Systems
654609200RG04	1992	OPEN	200	SMOKE/OBSCURANT SYSTEM	RG04	Protective Systems
654611	**JAVELIN**				**Budget Line Item:**	**0604611A**
654611499FPLB	1992	OPEN	499	Javelin (AAWS-M)	FPLB	Javelin
654622	**FAMILY OF HEAVY TACTICAL VEHICLES**				**Budget Line Item:**	**0604622A**
654622659FPJA	1992	OPEN	659	Family Of Hvy Tac Veh	FPJA	Heavy Tactical Vehicle (HTV) Systems
654622659RJT7	1992	OPEN	659	Family Of Hvy Tac Veh	RJT7	Trailers And Other Tactical Vehicles
65462265AFPFK	2004	2017	65A	MOVEMENT TRACKING SYSTEM (MTS)	FPFK	Combat Service Support (CSS) Central
65462265AFPM	2004	OPEN	65A	MOVEMENT TRACKING SYSTEM (MTS)	FPMM	Tactical Radios
654622E50RJT7	1998	OPEN	E50	TRAILER DEVELOPMENT	RJT7	Trailers And Other Tactical Vehicles
654622EZ8RJS3	2017	OPEN	EZ8	Leader/Follower	RJS3	Unmanned Soldier Systems
654622VR5FPJA	2011	OPEN	VR5	TWV Protection Kits	FPJA	Heavy Tactical Vehicle (HTV) Systems
654633	**Air Traffic Control**				**Budget Line Item:**	**0604633A**
654633586RD16	1992	OPEN	586	Air Traffic Control	RD16	Air Traffic Control
654641	**TACTICAL UNMANNED GROUND VEHICLE**				**Budget Line Item:**	**0604641A**
654641DV7RJS3	2012	OPEN	DV7	SMALL UNMANNED GROUND VEHICLE	RJS3	Unmanned Soldier Systems
654642	**Light Tactical Wheeled Vehicle**				**Budget Line Item:**	**0604642A**
654642E40FPJB	1992	OPEN	E40	LTV Prototype	FPJB	Light Tactical Vehicle (LTV) Systems
654642E40FPSV	2010	OPEN	E40	LTV Prototype	FPSV	Future Fighting Vehicle (FFV)
654645	**Armored Systems Modernization (ASM) ENG DEV**				**Budget Line Item:**	**0604645A**
654645EV8FPCB	2019	OPEN	EV8	Mobile Protected Firepower	FPCB	Modernization Priority Next Generation Combat Veh
654645EV8FPSV	2016	OPEN	EV8	Mobile Protected Firepower	FPSV	Future Fighting Vehicle (FFV)
654651	**FCS Systems of Systems Engr & Program Mgmt**				**Budget Line Item:**	**0604661A**
654651FC2FPFP	2007	OPEN	FC2	BCT Equipping Evaluation	FPFP	Tactical Battle Command (TBC)
654653	**FCS Unmanned Ground Vehicles**				**Budget Line Item:**	**0604663A**
654653FC4RJS1	2007	OPEN	FC4	BCT UNMANNED GROUND VEHICLES	RJS1	Soldier Modernization
654653FC4RJS3	2010	OPEN	FC4	BCT UNMANNED GROUND VEHICLES	RJS3	Unmanned Soldier Systems
654654	**FCS Unattended Ground Sensors**				**Budget Line Item:**	**0604664A**
654654FC5RJS1	2007	OPEN	FC5	BCT UNATTENDED GROUND SENSORS	RJS1	Soldier Modernization
654710	**Night Vision Systems Engineering Development**				**Budget Line Item:**	**0604710A**
654710BQ6FPCD	2019	OPEN	BQ6	Visual Augmentation System Eng Dev	FPCD	Modernization Priority Soldier Lethality

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
654710BQ6FPDE	2019	OPEN	BQ6	Visual Augmentation System Eng Dev	FPDE	Night Vision
654710EQ9RJS1	2015	OPEN	EQ9	Close Access Target Reconnaissance (CATR)	RJS1	Soldier Modernization
654710L67FPCD	2019	OPEN	L67	Soldier Night Vision Devices	FPCD	Modernization Priority Soldier Lethality
654710L67FPDE	2002	OPEN	L67	Soldier Night Vision Devices	FPDE	Night Vision
654710L70FPCD	2019	OPEN	L70	Night Vision Dev Ed	FPCD	Modernization Priority Soldier Lethality
654710L70FPDT	1993	OPEN	L70	Night Vision Dev Ed	FPDT	Second Generation FLIR/Own the Night
654710L75FPSC	1999	OPEN	L75	Profiler	FPSC	Force XXI Battle Command Brigade & Below (FBCB2)
654710L75RB12	1999	OPEN	L75	Profiler	RB12	Artillery Accuracy Equipment
654710L76RB12	2001	OPEN	L76	Dismounted Fire Support Laser Targeting Systems	RB12	Artillery Accuracy Equipment
654710L79RB12	2010	OPEN	L79	Joint Effects Targeting Systems (JETS)	RB12	Artillery Accuracy Equipment
654713	**Combat Feeding, Clothing, and Equipment**				**Budget Line Item:**	**0604713A**
654713548FPFJ	1992	OPEN	548	Mil Subsistence Sys	FPFJ	Army Battle Command System Integration
654713548RJS2	1992	OPEN	548	Mil Subsistence Sys	RJS2	Combat Service Support (CSS) Equipment
654713EL2RJS2	2015	OPEN	EL2	Army Field Feeding Equipment	RJS2	Combat Service Support (CSS) Equipment
654715	**Non system Training Devices Engineering Dev**				**Budget Line Item:**	**0604715A**
654715241FPCH	2019	OPEN	241	Nstd Combined Arms	FPCH	Modernization Priority: Synthetic Tng Envr onlyS&T
654715241JATT	2005	OPEN	241	Nstd Combined Arms	JATT	Modernization Priority: Synthetic Tng Envr nonS&T
654715241TBAS	1993	OPEN	241	Nstd Combined Arms	TBAS	Maneuver/Close Combat Non-system (TADSS)
654715241TCNT	1993	OPEN	241	Nstd Combined Arms	TCNT	Combat Training Centers (CTC) Modernization
654715241VCSF	2012	2017	241	Nstd Combined Arms	VCSF	Comprehensive Soldier Fitness Program (CSF)
654715241VSPV	2012	OPEN	241	Nstd Combined Arms	VSPV	Suicide Prevention
654715241VSRM	2004	OPEN	241	Nstd Combined Arms	VSRM	Sustainable Range Modernization
654715573FPCH	2019	OPEN	573	Program Executive Office Simulation, Training Spt	FPCH	Modernization Priority: Synthetic Tng Envr onlyS&T
654715573TSAM	1993	OPEN	573	Program Executive Office Simulation, Training Spt	TSAM	Training Support Systems (TSS) Management
654715573VOFS	2014	2017	573	Program Executive Office Simulation, Training Spt	VOFS	Operation Freedoms Sentinel - Direct OCO
654715587JATT	2005	OPEN	587	ARMY DEVELOP CTIA/TENA CAPABILITY	JATT	Modernization Priority: Synthetic Tng Envr nonS&T
654716	**Terrain Information Engineering Development**				**Budget Line Item:**	**0604716A**
654716579FPFS	2001	OPEN	579	FIELD ARMY MAP SYS ED	FPFS	Engineer C2 Systems
654741	**Air Defense C2I Engineering Development**				**Budget Line Item:**	**0604741A**
654741126FPFB	1992	OPEN	126	PEO Electronic Protect	FPFB	Air/Missile Defense Battle Management C4I AMDBMC4I
654741126FPLW	2002	OPEN	126	PEO Electronic Protect	FPLW	Indirect Fire Protection Capability
654741146FPFB	1992	OPEN	146	Air & Msl Defense Planning Control Sys	FPFB	Air/Missile Defense Battle Management C4I AMDBMC4I
654741146FPLW	2002	OPEN	146	Air & Msl Defense Planning Control Sys	FPLW	Indirect Fire Protection Capability
654741149FPFB	2006	OPEN	149	Counter-Rockets, Artillery & Mortar	FPFB	Air/Missile Defense Battle Management C4I AMDBMC4I

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
654741149FPLW	2006	OPEN	149	Counter-Rockets, Artillery & Mortar	FPLW	Indirect Fire Protection Capability
654741FG5FPLW	2016	OPEN	FG5	Counter Unmanned Aerial Systems (UAS)	FPLW	Indirect Fire Protection Capability
654741FG5VOFS	2016	2017	FG5	Counter Unmanned Aerial Systems (UAS)	VOFS	Operation Freedoms Sentinel - Direct OCO
654742	**CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT**				**Budget Line Item: 0604742A**	
654742361TBWG	2001	OPEN	361	Intelligence Simulation Systems	TBWG	Mission Command Staff Training Program
654742362TBWG	2001	OPEN	362	Jnt Land Component Constructive Trng	TBWG	Mission Command Staff Training Program
654746	**Automatic Test Equipment Development**				**Budget Line Item: 0604746A**	
654746L59FL8G	1992	OPEN	L59	Diagnost/Expert Sys	FL8G	Test, Measurement, And Diagnostic Equipment (TMDE)
654746L65FL8G	1998	OPEN	L65	Test Equipment Development	FL8G	Test, Measurement, And Diagnostic Equipment (TMDE)
654760	**DISTRIBUTIVE INTERACTIVE SIMULATION**				**Budget Line Item: 0604760A**	
654760C74VMSO	2002	OPEN	C74	Devel Simulation Tech	VMSO	Army Models and Simulation
654760C77EMAP	1993	OPEN	C77	Army Geospatial Data Master Plan	EMAP	Army Geospatial Support
654760C77TBIS	1993	OPEN	C77	Army Geospatial Data Master Plan	TBIS	Capabilities Integration Support
654760C78TBIS	1993	OPEN	C78	One Semi-Automated Forces	TBIS	Capabilities Integration Support
654760C78VMSO	2002	OPEN	C78	One Semi-Automated Forces	VMSO	Army Models and Simulation
654760C81VMSO	2002	OPEN	C81	Joint Training Integration & Evaluation Center	VMSO	Army Models and Simulation
654768	**Army Tactical Missile System (ATACMS)**				**Budget Line Item: 0604768A**	
654768688FPLF	1992	OPEN	688	ATACMS BLK II	FPLF	Multiple Launch Rocket System (MLRS)
654768P01FPLF	2002	OPEN	P01	MULTI - MODE SEEKER DEVELOPMENT AND TEST	FPLF	Multiple Launch Rocket System (MLRS)
654778	**Positioning Systems Development**				**Budget Line Item: 0604778A**	
654778168FPMA	1992	OPEN	168	NAVSTAR GPS EQUIP	FPMA	Navstar Global Positioning System (GPS)
654780	**Combined Arms Tactical Trainer (CATT)**				**Budget Line Item: 0604780A**	
654780571TCAT	1993	OPEN	571	Close Cbt Tact Trainer	TCAT	Combined Arms Tactical Trainers (CATT)
654780577JATT	2005	OPEN	577	Gaming Technology In Support Of Army Training	JATT	Modernization Priority: Synthetic Tng Envr nonS&T
654780577TCAT	2005	OPEN	577	Gaming Technology In Support Of Army Training	TCAT	Combined Arms Tactical Trainers (CATT)
654780582TBWG	1993	OPEN	582	Synthetic Envir Core	TBWG	Mission Command Staff Training Program
654780582TCAT	1993	OPEN	582	Synthetic Envir Core	TCAT	Combined Arms Tactical Trainers (CATT)
654780585TCAT	1998	OPEN	585	Aviation Combined Arms Tactical Trainer	TCAT	Combined Arms Tactical Trainers (CATT)
654783	**JOINT NETWORK MANAGEMENT SYSTEM**				**Budget Line Item: 0604783A**	
654783363FPMC	2001	OPEN	363	JOINT NETWORK MANAGEMENT SYSTEM	FPMC	Tactical Network Communications
654783EJ8FPMC	2015	OPEN	EJ8	TACTICAL NETWORK OPERATIONS AND MANAGEMENT	FPMC	Tactical Network Communications
654798	**Brigade Analysis, Integration and Evaluation**				**Budget Line Item: 0604798A**	
654798DU8FPFP	2012	OPEN	DU8	Systems Under Evaluation (SUE) Analysis	FPFP	Tactical Battle Command (TBC)
654798DU9FPFP	2012	OPEN	DU9	System Of Systems Engineering	FPFP	Tactical Battle Command (TBC)

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
654798DV1FPFP	2012	OPEN	DV1	BCT Equipping Integration And Experimentation	FPFP	Tactical Battle Command (TBC)
654798DY3FPFP	2013	OPEN	DY3	NIE Test & Evaluation	FPFP	Tactical Battle Command (TBC)
654798DY3X4SA	2013	OPEN	DY3	NIE Test & Evaluation	X4SA	Army Acquisition Executive Support
654798DY4FPFP	2013	OPEN	DY4	Network Integration Support	FPFP	Tactical Battle Command (TBC)
654798DY5FPFP	2013	OPEN	DY5	Production/Field Coordination for Capability Sets	FPFP	Tactical Battle Command (TBC)
654798DY5X4SA	2013	OPEN	DY5	Production/Field Coordination for Capability Sets	X4SA	Army Acquisition Executive Support
654798DY6FPFP	2013	OPEN	DY6	Brigade and Platform Integration Support	FPFP	Tactical Battle Command (TBC)
654798DY7FPFP	2013	OPEN	DY7	Army Systems Engineering, Architecture & Analysis	FPFP	Tactical Battle Command (TBC)
654798DY7X4SA	2013	OPEN	DY7	Army Systems Engineering, Architecture & Analysis	X4SA	Army Acquisition Executive Support
654798DZ6FPFP	2013	OPEN	DZ6	Army Integration Management & Coordination	FPFP	Tactical Battle Command (TBC)
654798DZ6X4SA	2013	OPEN	DZ6	Army Integration Management & Coordination	X4SA	Army Acquisition Executive Support
654798FG7FPFP	2015	OPEN	FG7	Emerging Technology Initiatives	FPFP	Tactical Battle Command (TBC)
654798FG7X4SA	2015	OPEN	FG7	Emerging Technology Initiatives	X4SA	Army Acquisition Executive Support
654802	**Weapons and Munitions Engineering Development**				**Budget Line Item: 0604802A**	
654802613RA11	1992	OPEN	613	MORTAR SYSTEMS	RA11	Small Arms
654802613RA14	1992	OPEN	613	MORTAR SYSTEMS	RA14	Mortar Systems
654802AS5FPHC	2001	OPEN	AS5	Artillery Munitions Engineering Development	FPHC	Cannon Artillery Ammunition
654802EC1RE01	2014	OPEN	EC1	40mm Hi Vel and Low Vel Thermal Training Cartridge	RE01	Training Ammunition
654802EC4RE01	2014	OPEN	EC4	Non-Standard Simulator Munitions	RE01	Training Ammunition
654802ED7FPSM	2014	OPEN	ED7	Advanced Multipurpose (AMP) Cartridge	FPSM	Maneuver Ammunition System (MAS)
654802EL9RE01	2015	OPEN	EL9	Ammunitions Logistics Prototyping	RE01	Training Ammunition
654802EP2RE01	2013	OPEN	EP2	Shoulder-Launched Munitions	RE01	Training Ammunition
654802EP2RE06	2013	OPEN	EP2	Shoulder-Launched Munitions	RE06	War and Operations Ammunition
654802EP3RE01	2017	OPEN	EP3	Reduced Range Ammunition - Small Caliber	RE01	Training Ammunition
654802EP4RE06	2017	OPEN	EP4	One-Way Luminescence for Small Caliber Ammo	RE06	War and Operations Ammunition
654802EP5RE06	2013	OPEN	EP5	Adv Armor-Piercing (ADVAP) for Small Caliber Ammo	RE06	War and Operations Ammunition
654802EP6RE06	2016	OPEN	EP6	Lightweight Cartridge Case for Small Caliber Ammo	RE06	War and Operations Ammunition
654802EP7RE06	2015	OPEN	EP7	Aviation Airborne Expendable Countermeasures	RE06	War and Operations Ammunition
654802EU4RE06	2016	OPEN	EU4	40mm HV Improved High Explosive Dual Purpose	RE06	War and Operations Ammunition
654802EU6FPCA	2019	OPEN	EU6	155mm HE Rocket Assist Project Extended Range	FPCA	Modernization Priority Long Range Precision Fires
654802EU6RE06	2018	OPEN	EU6	155mm HE Rocket Assist Project Extended Range	RE06	War and Operations Ammunition
654802EU7FPHC	2016	OPEN	EU7	Enhanced Lethality Cannon Munitions	FPHC	Cannon Artillery Ammunition
654802EU7RE06	2016	OPEN	EU7	Enhanced Lethality Cannon Munitions	RE06	War and Operations Ammunition
654802EU8RE06	2017	OPEN	EU8	Improved Multi-Option Fuze	RE06	War and Operations Ammunition

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
654802EW1RE06	2016	OPEN	EW1	40mm Low Velocity Ammunition	RE06	War and Operations Ammunition
654802FA6FPSM	2015	OPEN	FA6	30mm Lethality	FPSM	Maneuver Ammunition System (MAS)
654802FL4FPCD	2019	OPEN	FL4	Small Caliber Ammo for Next Gen Squad Weapons	FPCD	Modernization Priority Soldier Lethality
654802FL4RA11	2019	OPEN	FL4	Small Caliber Ammo for Next Gen Squad Weapons	RA11	Small Arms
654802S23FPDG	2002	OPEN	S23	SURF LNCH ADV MED RNG AIR-TO-AIR MSL (SLAMRAAM)	FPDG	Operational / Tactical Sensors
654802S36FPHC	2005	OPEN	S36	Precision Guidance Kit	FPHC	Cannon Artillery Ammunition
654802XT6FPLE	2019	OPEN	XT6	30mm Anti-Personnel and Counter-Air - Eng Dev	FPLE	Aviation Rockets And Missiles
654804	**Logistics and Engineer Equipment Engineering Dev**				**Budget Line Item: 0604804A**	
654804194RJC9	1992	OPEN	194	Engine Driven Gen Ed	RJC9	Tactical Electric Power
654804EC9RJS2	2014	OPEN	EC9	Contingency Basing Infrastructure	RJS2	Combat Service Support (CSS) Equipment
654804EJ9RJM5	2014	OPEN	EJ9	Maneuver Support Vessel -Light (MSV-L)	RJM5	Army Watercraft
654804FG4FSPS	2016	OPEN	FG4	Ultra-Lightweight Camouflage Net System (ULCANS)	FSPS	CBRN Soldier Protection
654804FG4RG04	2016	OPEN	FG4	Ultra-Lightweight Camouflage Net System (ULCANS)	RG04	Protective Systems
654804H01RF03	1992	OPEN	H01	Combat Engineer Eq Ed	RF03	Construction Equipment
654804H02RF01	1992	OPEN	H02	Tactical Bridging - Engineering Development	RF01	Tactical Bridging
654804H14RJC7	1992	OPEN	H14	Materials Handling Equipment - Ed	RJC7	Materiel Handling Equipment (MHE)
654804L39FPFD	1992	OPEN	L39	Field Sustainment Support Ed	FPFD	Engineer Support Equipment
654804L39RJS2	1992	OPEN	L39	Field Sustainment Support Ed	RJS2	Combat Service Support (CSS) Equipment
654804L41RJL7	1992	OPEN	L41	Water And Petroleum Distribution - Ed	RJL7	Liquid Logistics (Fuel and Water) Equipment
654804L42FPFD	1992	OPEN	L42	CAMOUFLAGE SYSTEM ED	FPFD	Engineer Support Equipment
654804L43FPFD	1992	OPEN	L43	ENGINEER SUPPORT EQUIPMENT - ED	FPFD	Engineer Support Equipment
654804L46RJC0	2002	OPEN	L46	Maintenance Support Equipment	RJC0	Maintenance and EOD Equipment
654804L47RJC9	2007	OPEN	L47	Improved Environmental Control Units Ed	RJC9	Tactical Electric Power
654804L47RJS2	2007	OPEN	L47	Improved Environmental Control Units Ed	RJS2	Combat Service Support (CSS) Equipment
654804L50FPJB	2011	2019	L50	JOINT LIGHT TACTICAL VEHICLES (JLTV) - SDD	FPJB	Light Tactical Vehicle (LTV) Systems
654804VR7RJL7	2011	OPEN	VR7	Combat Service Support Systems	RJL7	Liquid Logistics (Fuel and Water) Equipment
654804VR7RJS2	2011	OPEN	VR7	Combat Service Support Systems	RJS2	Combat Service Support (CSS) Equipment
654805	**Command, Control and Communications Sys Eng Dev**				**Budget Line Item: 0604805A**	
654805485MU17	1992	2017	485	Info Standards Interop Eng/Joint Interop Cert	MU17	Army Enterprise Architecture (AEA)
654805589FPMM	1992	OPEN	589	ARMY SYS ENGINEERING & WARFIGHTING TECH SUP	FPMM	Tactical Radios
654805589FPSC	1992	OPEN	589	ARMY SYS ENGINEERING & WARFIGHTING TECH SUP	FPSC	Force XXI Battle Command Brigade & Below (FBCB2)
654805589MU17	1992	2017	589	ARMY SYS ENGINEERING & WARFIGHTING TECH SUP	MU17	Army Enterprise Architecture (AEA)
654805593FPCE	2019	OPEN	593	Joint Battle Command - Platform (JBC-P)	FPCE	Modernization Priority Network C3I
654805593FPSC	2009	OPEN	593	Joint Battle Command - Platform (JBC-P)	FPSC	Force XXI Battle Command Brigade & Below (FBCB2)

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
654807	**Med Material/Med Bio Def Equip ED**					**Budget Line Item: 0604807A**
654807812FL8D	1992	OPEN	812	Mil HIV Vac&Drug Dev	FL8D	Combat Support Medical
654807832FL8D	1992	OPEN	832	Field Medical Systems Engineering Development	FL8D	Combat Support Medical
654807832RK01	1992	OPEN	832	Field Medical Systems Engineering Development	RK01	Research-Technology Base
654807832RK03	1992	OPEN	832	Field Medical Systems Engineering Development	RK03	Medical Technology
654807834FL8D	1992	OPEN	834	SOLDIER SYS PROT-ED	FL8D	Combat Support Medical
654807849FL8D	1992	OPEN	849	Infec Dis Drug/Vacc Ed	FL8D	Combat Support Medical
654807849RK01	1992	OPEN	849	Infec Dis Drug/Vacc Ed	RK01	Research-Technology Base
654807A11FL8D	2003	OPEN	A11	LSTAT MEDICAL TECHNOLOGY (CA)	FL8D	Combat Support Medical
654807CS5FL8D	2007	OPEN	CS5	MED MATERIEL/MED BIO DEFENSE INITIATIVES (CA)	FL8D	Combat Support Medical
654807VS8FL8D	2010	OPEN	VS8	MEDEVAC Mission Equipment Package (MEP) - End Dev	FL8D	Combat Support Medical
654808	**Landmine Warfare/Barrier - Eng Dev**					**Budget Line Item: 0604808A**
654808016FPSN	1994	OPEN	016	Close Combat Capabilities ENG DEV	FPSN	Mines And Munitions
654808016RG04	1992	OPEN	016	Close Combat Capabilities ENG DEV	RG04	Protective Systems
654808415RF02	1992	OPEN	415	Mine Neutral/Detection	RF02	Counter Explosive Hazards
654808415RG04	1992	OPEN	415	Mine Neutral/Detection	RG04	Protective Systems
654808434FPSN	2000	OPEN	434	Anti-Personnel Landmine Alternatives (NSD)	FPSN	Mines And Munitions
654808443FPSN	2000	OPEN	443	APL-A (MIXED SYSTEMS)	FPSN	Mines And Munitions
654814	**Artillery Munitions - EMD**					**Budget Line Item: 0604814A**
654814708FPHC	2000	OPEN	708	XM982 Projectile	FPHC	Cannon Artillery Ammunition
654818	**Army Tac Comm & Cont Hardware & Software**					**Budget Line Item: 0604818A**
654818323FPFJ	1992	OPEN	323	Common Hardware Systems	FPFJ	Army Battle Command System Integration
654818334FPFJ	2000	OPEN	334	Common Software	FPFJ	Army Battle Command System Integration
654818334FPSC	2000	OPEN	334	Common Software	FPSC	Force XXI Battle Command Brigade & Below (FBCB2)
654818C15FPFJ	2002	OPEN	C15	MOUNTED BATTLE COMMAND ON-THE-MOVE (MBCOTM)	FPFJ	Army Battle Command System Integration
654818C29FPFJ	2002	OPEN	C29	Centralized Technical Support Facility (CTSF)	FPFJ	Army Battle Command System Integration
654818C34FPFJ	1992	OPEN	C34	Army Tac C2 Sys Eng	FPFJ	Army Battle Command System Integration
654818C34FPMC	1992	OPEN	C34	Army Tac C2 Sys Eng	FPMC	Tactical Network Communications
654818EJ4FPCE	2019	OPEN	EJ4	COMMAND POST COMPUTING ENVIRONMENT (CPCE)	FPCE	Modernization Priority Network C3I
654818EJ4FPFP	2015	OPEN	EJ4	COMMAND POST COMPUTING ENVIRONMENT (CPCE)	FPFP	Tactical Battle Command (TBC)
654818EJ5FPCE	2019	OPEN	EJ5	MOUNTED COMPUTING ENVIRONMENT (MCE)	FPCE	Modernization Priority Network C3I
654818EJ5FPSC	2015	OPEN	EJ5	MOUNTED COMPUTING ENVIRONMENT (MCE)	FPSC	Force XXI Battle Command Brigade & Below (FBCB2)
654818EJ6FPCE	2019	OPEN	EJ6	TACTICAL ENHANCEMENT	FPCE	Modernization Priority Network C3I
654818EJ6FPMC	2015	OPEN	EJ6	TACTICAL ENHANCEMENT	FPMC	Tactical Network Communications

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
654818EJ7FPFJ	2015	OPEN	EJ7	TACTICAL DIGITAL MEDIA	FPFJ	Army Battle Command System Integration
654818EJ7FPMC	2015	OPEN	EJ7	TACTICAL DIGITAL MEDIA	FPMC	Tactical Network Communications
654818EK9FPMC	2015	OPEN	EK9	TACTICAL NETWORK OPERATIONS AND MANAGEMENT	FPMC	Tactical Network Communications
654818EQ8FPCE	2019	OPEN	EQ8	Mobile/Handheld Computing Environment (M/HHCE)	FPCE	Modernization Priority Network C3I
654818EQ8FPM	2016	OPEN	EQ8	Mobile/Handheld Computing Environment (M/HHCE)	FPMM	Tactical Radios
654818EQ8RJS1	2016	OPEN	EQ8	Mobile/Handheld Computing Environment (M/HHCE)	RJS1	Soldier Modernization
654818ER9FPCE	2019	OPEN	ER9	Expeditionary Army Command Post	FPCE	Modernization Priority Network C3I
654818ER9FPMC	2017	OPEN	ER9	Expeditionary Army Command Post	FPMC	Tactical Network Communications
654818EW3FPMC	2016	OPEN	EW3	Unit Task Reorganization (UTR) Development	FPMC	Tactical Network Communications
654818JN1FPMC	2005	OPEN	JN1	JOINT NETWORK NODE (JNN) TESTING	FPMC	Tactical Network Communications

654820 RADAR DEVELOPMENT — Budget Line Item: 0604820A

654820E10FPDG	1992	OPEN	E10	Sentinel	FPDG	Operational / Tactical Sensors

654822 General Fund Enterprise Business System (GFEBS) — Budget Line Item: 0604822A

654822DV6ERPE	2019	OPEN	DV6	General Fund Enterprise Business System	ERPE	ERP GFEBS: Gen Fund Enterprise Business Sys(DPOEF)
654822DV6VGFB	2010	OPEN	DV6	General Fund Enterprise Business System	VGFB	General Fund Enterprise Business System (GFEBS)
654822EV4VGFB	2014	OPEN	EV4	General Fund Enterprise Business System Inc 2	VGFB	General Fund Enterprise Business System (GFEBS)
654822GF5ERPE	2019	OPEN	GF5	General Fund Enterprise Business System	ERPE	ERP GFEBS: Gen Fund Enterprise Business Sys(DPOEF)
654822GF5QMIS	2004	OPEN	GF5	General Fund Enterprise Business System	QMIS	Army Installation Support
654822GF5VGFB	2004	OPEN	GF5	General Fund Enterprise Business System	VGFB	General Fund Enterprise Business System (GFEBS)

654823 FIREFINDER — Budget Line Item: 0604823A

654823L86FPDH	2005	OPEN	L86	LIGHTWEIGHT COUNTER MORTAR RADAR (LCMR)	FPDH	Target Acquisition Sensors
654823L87FPDH	2007	OPEN	L87	Hypervelocity Armament System (HAS)	FPDH	Target Acquisition Sensors
654823L88FPDH	2005	OPEN	L88	Enhanced AN/TPQ 36	FPDH	Target Acquisition Sensors

654827 Soldier Systems - Warrior Dem/Val — Budget Line Item: 0604827A

654827DX7RJS1	2011	OPEN	DX7	TACTICAL COMMUNICATIONS AND PROTECTIVE SYSTEM	RJS1	Soldier Modernization
654827EY2RJS1	2017	OPEN	EY2	Integrated Soldier Power Data System - Core	RJS1	Soldier Modernization
654827EY3RJS1	2017	OPEN	EY3	Soldier Power Generator	RJS1	Soldier Modernization
654827EY4RJS1	2017	OPEN	EY4	Universal Battery Charger	RJS1	Soldier Modernization
654827FK4RJS3	2018	OPEN	FK4	Soldier Borne Sensor (SBS)	RJS3	Unmanned Soldier Systems
654827S56RJS1	2005	OPEN	S56	MOUNTED SOLDIER	RJS1	Soldier Modernization
654827S65RJS1	2007	OPEN	S65	Platoon Power Generator	RJS1	Soldier Modernization
654827S75FPMM	2010	OPEN	S75	Ground Soldier Ensemble	FPMM	Tactical Radios
654827S75RJS1	2010	OPEN	S75	Ground Soldier Ensemble	RJS1	Soldier Modernization

654852 Suite of Vehicle Protection Systems - EMD — Budget Line Item: 0604852A

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
654852FE8FPSV	2017	OPEN	FE8	Vehicle Protection Suite	FPSV	Future Fighting Vehicle (FFV)
654852XU9FPSV	2017	OPEN	XU9	Active Protection System	FPSV	Future Fighting Vehicle (FFV)
654854	**ARTILLERY SYSTEMS - EMD**				**Budget Line Item:**	**0604854A**
654854509RB03	1996	OPEN	509	LIGHTWEIGHT 155M HOWITZER	RB03	Towed Howitzer
654854516FPHB	2000	OPEN	516	Paladin/FAASV	FPHB	Self-Propelled Howitzers
654854HB6RB03	2019	OPEN	HB6	Mobile 155MM Howitzer	RB03	Towed Howitzer
654869	**Patriot/MEADS Combined Aggregate Program (CAP)**				**Budget Line Item:**	**0604869A**
654869M06FPQG	2005	OPEN	M06	Patriot/Meads Combined Aggregate Program	FPQG	Low Tier Air and Missile Defense/MSE
654870	**Nuclear Arms Control Monitoring Sensor Network**				**Budget Line Item:**	**0604870A**
654870SE1FASP	2005	OPEN	SE1	Nact Sensor Engineering	FASP	Army Space/Missile Defense Command
655013	**Information Technology Development**				**Budget Line Item:**	**0605013A**
655013087TADT	2000	OPEN	087	Distributed Learning System (DLS)	TADT	Training Information Infrastructure
655013099MPT8	2001	OPEN	099	Army Human Resource System	MPT8	MM PEG Defense Business and Legacy Systems
655013099MPTV	2000	OPEN	099	Army Human Resource System	MPTV	Army Human Resource System (AHRS)
655013099VACE	2000	OPEN	099	Army Human Resource System	VACE	Army Continuing Education System (ACES)
655013099VCAP	2000	OPEN	099	Army Human Resource System	VCAP	Soldier for Life - Transition Assistance Program
655013137MSB2	2000	2017	137	TRANS COORDINATORS' AUTO INFO FOR MOVEMENT SYS II	MSB2	Transportation Information Systems
655013184MU2Z	2000	OPEN	184	Installation Support Modules	MU2Z	Installation Information Technology Infrastructure
655013184MXUS	2000	OPEN	184	Installation Support Modules	MXUS	Support to Special Purpose Networks
655013193FL8D	2000	OPEN	193	Medical Communications For Combat Casualty	FL8D	Combat Support Medical
655013474MPT0	2004	2017	474	ENTERPRISE TRANSMISSION SYSTEMS	MPT0	Logistics Network
655013474QMIS	2004	OPEN	474	ENTERPRISE TRANSMISSION SYSTEMS	QMIS	Army Installation Support
655013738MPT7	2005	2017	738	AcqBiz	MPT7	AAC - Integrated Automation Architecture (IAA)
655013738MS5Z	2005	OPEN	738	AcqBiz	MS5Z	HRC Core Automation Support
655013738X4SA	2005	OPEN	738	AcqBiz	X4SA	Army Acquisition Executive Support
655013738XCID	2005	OPEN	738	AcqBiz	XCID	Criminal Investigation Division (CID) Activities
655013AB5MXUS	2008	OPEN	AB5	ARMY BEHAVIORAL HEALTH INTEG DATA ENVIRO (ABHIDE)	MXUS	Support to Special Purpose Networks
655013AE5QMIS	2008	OPEN	AE5	HEADQUARTERS ARMY ENVIRONMENTAL SYSTEM (HQAES)	QMIS	Army Installation Support
655013FE9MPT7	2016	2017	FE9	ALTESS (P&R Forms)	MPT7	AAC - Integrated Automation Architecture (IAA)
655013FE9X4SA	2016	OPEN	FE9	ALTESS (P&R Forms)	X4SA	Army Acquisition Executive Support
655013FL9MS5Z	2019	OPEN	FL9	Army Accessioning IT Development	MS5Z	HRC Core Automation Support
655013FL9VSPV	2019	OPEN	FL9	Army Accessioning IT Development	VSPV	Suicide Prevention
655013FM7FAPC	2019	OPEN	FM7	Human Resouces Information Technology	FAPC	Family and Morale, Welfare and Recreation Prgm Spt
655013FM7FASS	2019	OPEN	FM7	Human Resouces Information Technology	FASS	ARBA, CAA, FMSA, ITA and USAMMA organizations

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
655013FM7MPT8	2019	OPEN	FM7	Human Resouces Information Technology	MPT8	MM PEG Defense Business and Legacy Systems
655013FM7MS5Z	2019	OPEN	FM7	Human Resouces Information Technology	MS5Z	HRC Core Automation Support
655013FM7MU2L	2019	OPEN	FM7	Human Resouces Information Technology	MU2L	Records Management
655013FM7VCAP	2019	OPEN	FM7	Human Resouces Information Technology	VCAP	Soldier for Life - Transition Assistance Program
655013FM7VSHP	2019	OPEN	FM7	Human Resouces Information Technology	VSHP	Sexual Harassment/Assault Response & Prev (SHARP)
655013FM8TADT	2019	OPEN	FM8	Information Technology for Training Systems	TADT	Training Information Infrastructure
655013FM8TDLP	2019	OPEN	FM8	Information Technology for Training Systems	TDLP	Defense Language Programs (DLP)
655013FM8TSGT	2019	OPEN	FM8	Information Technology for Training Systems	TSGT	NCO Professional Development
655013FM8VLDR	2019	OPEN	FM8	Information Technology for Training Systems	VLDR	Leader Development & Training Ammo Management
655013FM9XCID	2019	OPEN	FM9	Information Technology for Criminal Investigations	XCID	Criminal Investigation Division (CID) Activities
655013M05VGFB	2003	OPEN	M05	Enterprise Army Workload & Performance Sys	VGFB	General Fund Enterprise Business System (GFEBS)
655013T04MU2P	2004	OPEN	T04	USMEPCOM TRANSFORMTION - IT MODERNIZATION	MU2P	MEPCOM Applicant Processing System
655013T05ERPE	2019	OPEN	T05	Army Business System Modernization Initiatives	ERPE	ERP GFEBS: Gen Fund Enterprise Business Sys(DPOEF)
655013T05FACS	2007	OPEN	T05	Army Business System Modernization Initiatives	FACS	Army Combat Readiness Center
655013T05FAPC	2007	OPEN	T05	Army Business System Modernization Initiatives	FAPC	Family and Morale, Welfare and Recreation Prgm Spt
655013T05MPT3	2007	2017	T05	Army Business System Modernization Initiatives	MPT3	PM Personnel Employee Records Management System
655013T05MPT8	2007	OPEN	T05	Army Business System Modernization Initiatives	MPT8	MM PEG Defense Business and Legacy Systems
655013T05MPTV	2007	OPEN	T05	Army Business System Modernization Initiatives	MPTV	Army Human Resource System (AHRS)
655013T05MS5B	2007	2017	T05	Army Business System Modernization Initiatives	MS5B	Keystone Systems
655013T05MS5Z	2007	OPEN	T05	Army Business System Modernization Initiatives	MS5Z	HRC Core Automation Support
655013T05MSNS	2011	OPEN	T05	Army Business System Modernization Initiatives	MSNS	Enterprise Services
655013T05MU2L	2007	OPEN	T05	Army Business System Modernization Initiatives	MU2L	Records Management
655013T05QAAP	2007	OPEN	T05	Army Business System Modernization Initiatives	QAAP	Army Substance Abuse Program
655013T05QMIS	2007	OPEN	T05	Army Business System Modernization Initiatives	QMIS	Army Installation Support
655013T05TADT	2007	OPEN	T05	Army Business System Modernization Initiatives	TADT	Training Information Infrastructure
655013T05TDLP	2007	OPEN	T05	Army Business System Modernization Initiatives	TDLP	Defense Language Programs (DLP)
655013T05TSGT	2007	OPEN	T05	Army Business System Modernization Initiatives	TSGT	NCO Professional Development
655013T05VCAP	2007	OPEN	T05	Army Business System Modernization Initiatives	VCAP	Soldier for Life - Transition Assistance Program
655013T05VCPR	2007	OPEN	T05	Army Business System Modernization Initiatives	VCPR	Army Civilian Personnel Operations
655013T05VGFB	2007	OPEN	T05	Army Business System Modernization Initiatives	VGFB	General Fund Enterprise Business System (GFEBS)
655013T05VPBE	2009	OPEN	T05	Army Business System Modernization Initiatives	VPBE	Automation Support for PPB Development
655013T05VREM	2007	OPEN	T05	Army Business System Modernization Initiatives	VREM	Disposition of Remains/POW-MIA
655013T05VSHP	2012	OPEN	T05	Army Business System Modernization Initiatives	VSHP	Sexual Harassment/Assault Response & Prev (SHARP)
655013T05X4SA	2007	OPEN	T05	Army Business System Modernization Initiatives	X4SA	Army Acquisition Executive Support

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
655013T05XCID	2007	OPEN	T05	Army Business System Modernization Initiatives	XCID	Criminal Investigation Division (CID) Activities
655013VR3FACS	2008	OPEN	VR3	ASMIS-R (REPORTIT)	FACS	Army Combat Readiness Center
655013XV6ERPT	2019	OPEN	XV6	Army Leader Dashboard	ERPT	TT Defense Business Objective & Legacy Systems
655018	**Integrated Personnel & Pay System-Army (IPPS-A)**				**Budget Line Item:**	**0605018A**
655018ED9ERPF	2019	OPEN	ED9	Integrated Personnel and Pay System - Army Inc 2	ERPF	ERP IPPS-A: Integrated Personnel & Pay Sys-A(DPOE)
655018ED9FPFP	2014	OPEN	ED9	Integrated Personnel and Pay System - Army Inc 2	FPFP	Tactical Battle Command (TBC)
655018ED9MPT8	2014	OPEN	ED9	Integrated Personnel and Pay System - Army Inc 2	MPT8	MM PEG Defense Business and Legacy Systems
655018HR5MPT8	2010	OPEN	HR5	Integrated Personnel And Pay System - Army Inc 1	MPT8	MM PEG Defense Business and Legacy Systems
655028	**Armored Multi-Purpose Vehicle (AMPV)**				**Budget Line Item:**	**0605028A**
655028EB5FPCB	2019	OPEN	EB5	Armored Multi-Purpose Vehicle	FPCB	Modernization Priority Next Generation Combat Veh
655028EB5RA09	2013	OPEN	EB5	Armored Multi-Purpose Vehicle	RA09	Armored Multi-Purpose Veh (AMPV) & Legacy M113 APC
655028EB5RU08	2013	OPEN	EB5	Armored Multi-Purpose Vehicle	RU08	Bradley Upgrade Recapitalization
655029	**IntegGrdSecSurvRespC(IGSSR-C)**				**Budget Line Item:**	**0605029A**
655029EQ2RG04	2014	OPEN	EQ2	IntegGrdSecSurvRespC(IGSSR-C)	RG04	Protective Systems
655030	**Joint Tactical Network Center (JTNC)**				**Budget Line Item:**	**0605030A**
655030EA8FPMM	2013	OPEN	EA8	Joint Tactical Networking Center	FPMM	Tactical Radios
655031	**Joint Tactical Network (JTN)**				**Budget Line Item:**	**0605031A**
655031EF5FPMM	2013	OPEN	EF5	Joint Tactical Network (JTN)	FPMM	Tactical Radios
655031EX6FPMM	2015	OPEN	EX6	Waveforms	FPMM	Tactical Radios
655032	**Tractor Tire**				**Budget Line Item:**	**0605032A**
655032ET3RH01	2014	OPEN	ET3	Tractor Trick	RH01	Tactical Intelligence and Exploitation
655033	**Grnd-Based Opnl Surv Sys - Exped (GBOSS-E)**				**Budget Line Item:**	**0605033A**
655033EQ3RG04	2015	OPEN	EQ3	Grnd-Based Opnl Surv Sys -Exped (GBOSS-E)	RG04	Protective Systems
655033EQ3VOFS	2015	2018	EQ3	Grnd-Based Opnl Surv Sys -Exped (GBOSS-E)	VOFS	Operation Freedoms Sentinel - Direct OCO
655034	**Tactical Secruity system (TSS)**				**Budget Line Item:**	**0605034A**
655034EQ4RG04	2015	OPEN	EQ4	Tactical Security System (TSS)	RG04	Protective Systems
655035	**Common Infrared Counter Measure (CIRCM)**				**Budget Line Item:**	**0605035A**
655035EB4FPED	2012	OPEN	EB4	CIRCM	FPED	Aircraft Survivability Equipment (ASE)
655035EB4VFRE	2012	2017	EB4	CIRCM	VFRE	Operation Enduring Freedom (OEF)
655035EB4VOFS	2014	OPEN	EB4	CIRCM	VOFS	Operation Freedoms Sentinel - Direct OCO
655035EE3FPED	2014	OPEN	EE3	A/C Surv Equip Dev	FPED	Aircraft Survivability Equipment (ASE)
655035EE4FPED	2014	OPEN	EE4	Common Missile Warning System (CMWS)	FPED	Aircraft Survivability Equipment (ASE)
655035EE4VFRE	2014	2016	EE4	Common Missile Warning System (CMWS)	VFRE	Operation Enduring Freedom (OEF)
655036	**Combating Weapons of Mass Destruction (CWMD)**				**Budget Line Item:**	**0605036A**

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
655036EQ5FSPS	2015	OPEN	EQ5	Combating Weapons of Mass Destruction (CWMD)	FSPS	CBRN Soldier Protection
655037	**Evidence Collection and Detainee Processing (ECDP)**				**Budget Line Item:**	**0605037A**
655037EQ6RG04	2015	OPEN	EQ6	Evidence Collection and Detainee Processing	RG04	Protective Systems
655038	**NBC Reconnaissance Veh (NBCRV) Sensor Suite**				**Budget Line Item:**	**0605038A**
655038EQ7FSPS	2015	OPEN	EQ7	NBC Reconnaissance Vehicle (NBCRV) Sensor Suite	FSPS	CBRN Soldier Protection
655041	**Defensive CYBER Operations**				**Budget Line Item:**	**0605041A**
655041CY5FPFP	2019	OPEN	CY5	CYBER Situational Understanding	FPFP	Tactical Battle Command (TBC)
655041EV5FPFP	2015	OPEN	EV5	Defensive CYBER Operations	FPFP	Tactical Battle Command (TBC)
655041EV5MU2Z	2015	OPEN	EV5	Defensive CYBER Operations	MU2Z	Installation Information Technology Infrastructure
655042	**Tactical Network Radio Systems (Low-Tier)**				**Budget Line Item:**	**0605042A**
655042FA1FPCE	2019	OPEN	FA1	Manpack Radio	FPCE	Modernization Priority Network C3I
655042FA1FPMM	2016	OPEN	FA1	Manpack Radio	FPMM	Tactical Radios
655042FA2FPCE	2019	OPEN	FA2	Rifleman Radio (RR)	FPCE	Modernization Priority Network C3I
655042FA2FPMM	2016	OPEN	FA2	Rifleman Radio (RR)	FPMM	Tactical Radios
655047	**Army Contract Writing System**				**Budget Line Item:**	**0605047A**
655047FA7ERPB	2019	OPEN	FA7	Contract Writing System	ERPB	ERP ACWS: Army Contract Writing System (DPOEF)
655047FA7X4SA	2016	OPEN	FA7	Contract Writing System	X4SA	Army Acquisition Executive Support
655049	**Missile Warning System Modernization (MWSM)**				**Budget Line Item:**	**0605049A**
655049XT4FPED	2015	OPEN	XT4	Advanced Threat Detection System (ATDS)	FPED	Aircraft Survivability Equipment (ASE)
655051	**Aircraft Survivability Development (ASD)**				**Budget Line Item:**	**0605051A**
655051ER7FPED	2014	OPEN	ER7	Aircraft Survivability Equipment Development	FPED	Aircraft Survivability Equipment (ASE)
655051ER8FPED	2014	OPEN	ER8	Common Missile Warning System (CMWS)	FPED	Aircraft Survivability Equipment (ASE)
655051ER8VFRE	2014	2017	ER8	Common Missile Warning System (CMWS)	VFRE	Operation Enduring Freedom (OEF)
655051ER8VOFS	2014	OPEN	ER8	Common Missile Warning System (CMWS)	VOFS	Operation Freedoms Sentinel - Direct OCO
655052	**Increment Fire Protection Capability Increment 2**				**Budget Line Item:**	**0605052A**
655052EY7FPCC	2019	OPEN	EY7	IFPC Increment 2 - Block 1	FPCC	Modernization Priority Air and Missile Defense
655052EY7FPLW	2016	OPEN	EY7	IFPC Increment 2 - Block 1	FPLW	Indirect Fire Protection Capability
655053	**Ground Robotics**				**Budget Line Item:**	**0605053A**
655053FB2RJS2	2016	OPEN	FB2	Man Transportable Robotic System (MTRS) Inc II	RJS2	Combat Service Support (CSS) Equipment
655053FB2RJS3	2016	OPEN	FB2	Man Transportable Robotic System (MTRS) Inc II	RJS3	Unmanned Soldier Systems
655053FB3RJS3	2016	OPEN	FB3	Robotics Architecture	RJS3	Unmanned Soldier Systems
655053FB4RJS3	2014	OPEN	FB4	Common Robotic Systems	RJS3	Unmanned Soldier Systems
655053FB6RJS3	2017	OPEN	FB6	Squad Multipurpose Equipment Transport (SMET)	RJS3	Unmanned Soldier Systems
655053FB7RJS3	2014	OPEN	FB7	Robotics Enhanced Program (REP)	RJS3	Unmanned Soldier Systems

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
655053FB8RJS3	2017	OPEN	FB8	Soldier Borne Sensor (SBS)	RJS3	Unmanned Soldier Systems
655053FB9RJS3	2017	OPEN	FB9	MTRS Standardization	RJS3	Unmanned Soldier Systems
655053FG8RJS3	2015	OPEN	FG8	Common Robotic Controller	RJS3	Unmanned Soldier Systems
655054	**Emerging Technology Initiatives**				**Budget Line Item:**	**0605054A**
655054FI3FPCC	2019	OPEN	FI3	Rapid Capability Development and Maturation	FPCC	Modernization Priority Air and Missile Defense
655054FI3FPFP	2017	OPEN	FI3	Rapid Capability Development and Maturation	FPFP	Tactical Battle Command (TBC)
655054FI3X4SA	2017	OPEN	FI3	Rapid Capability Development and Maturation	X4SA	Army Acquisition Executive Support
655203	**Army System Development & Demonstration**				**Budget Line Item:**	**0605203A**
655203BR3FPQU	2019	OPEN	BR3	Army System Development & Demonstration	FPQU	Combat Technology Leadership Initiatives
655350	**Warfighter Information Network - Tactical - Inc 3**				**Budget Line Item:**	**0605350A**
655350EE8FPMC	2013	2019	EE8	WIN-T Increment 3 - Full Networking	FPMC	Tactical Network Communications
655380	**Airborne Maritime Fixed Small Airborne (AMF-SA)**				**Budget Line Item:**	**0605380A**
655380EA9FPMM	2013	OPEN	EA9	Airborne Maritime Fixed - Small Airborne (AMF-SA)	FPMM	Tactical Radios
655380EG5FPM	2014	OPEN	EG5	Small Airborne Link 16 Terminal (SALT)	FPMM	Tactical Radios
655380EG6FPM	2014	OPEN	EG6	Small Airborne Networking Radio (SANR)	FPMM	Tactical Radios
655450	**Joint Air-to-Ground Missile**				**Budget Line Item:**	**0605450A**
655450JA6FPLI	2008	OPEN	JA6	Joint Air-To-Ground Missile (JAGM)	FPLI	Joint Air-To-Ground Missile (JAGM)
655455	**SLAMRAAM**				**Budget Line Item:**	**0605455A**
655455S35FPDG	2010	OPEN	S35	SLAMRAAM	FPDG	Operational / Tactical Sensors
655456	**PAC-3/MSE Missile**				**Budget Line Item:**	**0605456A**
655456PA3FPQG	2009	OPEN	PA3	PAC-3/MSE Missile	FPQG	Low Tier Air and Missile Defense/MSE
655457	**Army Integrated Air and Missile Defense (AIAMD)**				**Budget Line Item:**	**0605457A**
655457DU4FPDG	2011	OPEN	DU4	Advanced Electronic Protection Enhancements AEPE	FPDG	Operational / Tactical Sensors
655457S40FPCC	2019	OPEN	S40	Army Integrated Air and Missile Defense	FPCC	Modernization Priority Air and Missile Defense
655457S40FPDG	2010	OPEN	S40	Army Integrated Air and Missile Defense	FPDG	Operational / Tactical Sensors
655457S40FPFB	2010	OPEN	S40	Army Integrated Air and Missile Defense	FPFB	Air/Missile Defense Battle Management C4I AMDBMC4I
655457S40FPQG	2010	OPEN	S40	Army Integrated Air and Missile Defense	FPQG	Low Tier Air and Missile Defense/MSE
655625	**Manned Ground Vehicle**				**Budget Line Item:**	**0605625A**
655625CF6FPCB	2019	OPEN	CF6	Next Generation Combat Vehicle (OMFV)	FPCB	Modernization Priority Next Generation Combat Veh
655625CF6FPSV	2017	OPEN	CF6	Next Generation Combat Vehicle (OMFV)	FPSV	Future Fighting Vehicle (FFV)
655625FC8FPSV	2010	OPEN	FC8	Bct Ground Combat Vehicle	FPSV	Future Fighting Vehicle (FFV)
655626	**Special Electronic Mission Aircraft (MIP)**				**Budget Line Item:**	**0605626A**
655626AC5FPDB	2010	OPEN	AC5	Enhanced Medium Alt Recon Surv Sys	FPDB	Manned Aerial Intelligence Surveillance and Recon
655626EG8FPDB	2013	OPEN	EG8	EMARSS Payloads EMD (MIP)	FPDB	Manned Aerial Intelligence Surveillance and Recon

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
655626EG9FPDB	2013	OPEN	EG9	ARL EMD (MIP)	FPDB	Manned Aerial Intelligence Surveillance and Recon
655626EH1FPDB	2015	OPEN	EH1	ARL Payloads EMD (MIP)	FPDB	Manned Aerial Intelligence Surveillance and Recon

655766 National Capabilities Integration — **Budget Line Item: 0605766A**

655766DX9FPDP	2013	OPEN	DX9	National Integration To Tactical Systems(MIP)	FPDP	Distributed Common Ground System, Army (DCGS-A)
655766EX7FPDP	2017	OPEN	EX7	Air Vigilance System Development	FPDP	Distributed Common Ground System, Army (DCGS-A)

655812 Joint Light Tactical Vehicles - ED — **Budget Line Item: 0605812A**

655812VU9FPJB	2011	OPEN	VU9	Joint Light Tactical Vehicle	FPJB	Light Tactical Vehicle (LTV) Systems

655830 Aviation Ground Support Equipment — **Budget Line Item: 0605830A**

655830EE5RD15	2013	OPEN	EE5	Aviation Ground Support Equipment	RD15	Aviation Ground Support Equipment

06 RDT&E Management Support

363260 Security Initiatives — **Budget Line Item: 0303260A**

363260FA9VLWA	2015	OPEN	FA9	Security Initiatives	VLWA	Cyberspace Operations

664256 Threat Simulator Development — **Budget Line Item: 0604256A**

664256976RL07	1992	OPEN	976	Army Threat Sim (ATS)	RL07	Test and Evaluation Instrumentation

664258 Target Systems Development — **Budget Line Item: 0604258A**

664258238RL07	1992	OPEN	238	Aerial Targets	RL07	Test and Evaluation Instrumentation
664258459RL07	1992	OPEN	459	Ground Targets	RL07	Test and Evaluation Instrumentation

664759 Major Test & Evaluation Investment — **Budget Line Item: 0604759A**

664759983RL02	1992	2017	983	Reagan Test Site (RTS) T&E Investments	RL02	Army Test Infrastructure
664759983RL07	1992	OPEN	983	Reagan Test Site (RTS) T&E Investments	RL07	Test and Evaluation Instrumentation
664759984RL07	1992	OPEN	984	Major Developmental Testing Instrumentation	RL07	Test and Evaluation Instrumentation
664759986RL07	1992	OPEN	986	Major Operational Test Instrumentation	RL07	Test and Evaluation Instrumentation
664759EY9RL07	2015	OPEN	EY9	Range Radar Replacement Program (RRRP)	RL07	Test and Evaluation Instrumentation
664759FA4RL07	2016	OPEN	FA4	Warrior Injury Assessment Manikin (WIAMan)	RL07	Test and Evaluation Instrumentation
664759FF1RL07	2015	OPEN	FF1	Cyber Blue Team	RL07	Test and Evaluation Instrumentation

665103 Rand Arroyo Center — **Budget Line Item: 0605103A**

665103732VARY	1992	OPEN	732	Arroyo Center Spt	VARY	Rand Arroyo Center

665301 Army Kwajalein Atoll — **Budget Line Item: 0605301A**

665301614RL02	1992	OPEN	614	Army Kwajalein Atoll	RL02	Army Test Infrastructure
665301DW7E34H	2012	OPEN	DW7	Army Kwajalein Atoll Facilities Sustainment	E34H	Army Family Housing (AFH) Maintenance
665301DW7QRP	2012	OPEN	DW7	Army Kwajalein Atoll Facilities Sustainment	QRPA	Real Property Maintenance
665301DW7RL02	2012	2018	DW7	Army Kwajalein Atoll Facilities Sustainment	RL02	Army Test Infrastructure
665301DW7VEN	2012	OPEN	DW7	Army Kwajalein Atoll Facilities Sustainment	VENQ	Environmental Quality
665301DW8E33H	2012	OPEN	DW8	Army Kwajalein Atoll Installation Services	E33H	Army Family Housing (AFH) Operations

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
665301DW8QAA	2012	OPEN	DW8	Army Kwajalein Atoll Installation Services	QAAF	Army Airfields (AAF) and Heliports (AHP)
665301DW8QACS	2012	OPEN	DW8	Army Kwajalein Atoll Installation Services	QACS	Army Community Services (ACS)
665301DW8QCYS	2012	OPEN	DW8	Army Kwajalein Atoll Installation Services	QCYS	Child and Youth Services (CYS)
665301DW8QDE	2017	OPEN	DW8	Army Kwajalein Atoll Installation Services	QDEH	Engineering Services
665301DW8QDP	2012	OPEN	DW8	Army Kwajalein Atoll Installation Services	QDPC	Soldier Recreation and Community Support
665301DW8QDP	2012	2017	DW8	Army Kwajalein Atoll Installation Services	QDPW	Public Works and Municipal Activities
665301DW8QEM	2017	OPEN	DW8	Army Kwajalein Atoll Installation Services	QEMS	Fire and Emergency Services (FES)
665301DW8QFM	2012	OPEN	DW8	Army Kwajalein Atoll Installation Services	QFMC	Financial Management (FM) Activities
665301DW8QFO	2017	OPEN	DW8	Army Kwajalein Atoll Installation Services	QFOD	Food Services
665301DW8QHF	2012	OPEN	DW8	Army Kwajalein Atoll Installation Services	QHFM	Unaccompanied Housing
665301DW8QLO	2012	2018	DW8	Army Kwajalein Atoll Installation Services	QLOG	Logistics Activities
665301DW8QLPR	2012	OPEN	DW8	Army Kwajalein Atoll Installation Services	QLPR	Law Enforcement
665301DW8QMN	2017	OPEN	DW8	Army Kwajalein Atoll Installation Services	QMNT	Materiel Maintenance
665301DW8QMU	2017	OPEN	DW8	Army Kwajalein Atoll Installation Services	QMUN	Municipal Services
665301DW8QNM	2012	OPEN	DW8	Army Kwajalein Atoll Installation Services	QNMG	Installation Command and Management
665301DW8QPS	2012	OPEN	DW8	Army Kwajalein Atoll Installation Services	QPSG	Personnel Services Delivery
665301DW8QPS	2012	OPEN	DW8	Army Kwajalein Atoll Installation Services	QPSM	Physical Security Matters
665301DW8QSEC	2012	OPEN	DW8	Army Kwajalein Atoll Installation Services	QSEC	Army Security Programs
665301DW8QSU	2017	OPEN	DW8	Army Kwajalein Atoll Installation Services	QSUP	Supply Logistics
665301DW8QTR	2017	OPEN	DW8	Army Kwajalein Atoll Installation Services	QTRN	Transportation Services
665301DW8QUTS	2017	OPEN	DW8	Army Kwajalein Atoll Installation Services	QUTS	Utilities
665301DW8RL02	2012	2018	DW8	Army Kwajalein Atoll Installation Services	RL02	Army Test Infrastructure
665301DW8VEN	2012	OPEN	DW8	Army Kwajalein Atoll Installation Services	VENQ	Environmental Quality
665301DW8VTER	2012	OPEN	DW8	Army Kwajalein Atoll Installation Services	VTER	Anti-Terrorism (AT)
665301DW9ERVT	2012	OPEN	DW9	Army Kwajalein Atoll Restoration And Modernization	ERVT	Recapitalization Deficit R&M
665301DW9RL02	2012	2018	DW9	Army Kwajalein Atoll Restoration And Modernization	RL02	Army Test Infrastructure
665301DX2QOIM	2012	OPEN	DX2	Army Kwajalein Test Ranges and Mission Support	QOIM	Base Information Management Operations
665301DX2RL02	2012	OPEN	DX2	Army Kwajalein Test Ranges and Mission Support	RL02	Army Test Infrastructure

665326 Concepts Experimentation

Budget Line Item: 0605326A

665326308VAWE	1998	OPEN	308	Concepts Experimentation	VAWE	Advanced Warfighting Experiments
665326312VAWE	1999	OPEN	312	Army/Joint Experimentation	VAWE	Advanced Warfighting Experiments
665326317FASP	2007	OPEN	317	Current Force Capability Gaps	FASP	Army Space/Missile Defense Command
665326317FPMC	2007	OPEN	317	Current Force Capability Gaps	FPMC	Tactical Network Communications
665326317RA09	2007	OPEN	317	Current Force Capability Gaps	RA09	Armored Multi-Purpose Veh (AMPV) & Legacy M113 APC

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
665326317RD12	2007	OPEN	317	Current Force Capability Gaps	RD12	Aircraft Component Improvement Program
665326317RG04	2007	OPEN	317	Current Force Capability Gaps	RG04	Protective Systems
665326317VTRD	2007	OPEN	317	Current Force Capability Gaps	VTRD	Combat Development Core
66532633BVTRD	2001	OPEN	33B	Soldier-Centered Analyses For Future Force	VTRD	Combat Development Core

665502 Small Business Innovation Research

Budget Line Item: 0605502A

665502861FPCB	2019	OPEN	861	SMALL BUS TECH - AMC	FPCB	Modernization Priority Next Generation Combat Veh
665502861RL03	1992	OPEN	861	SMALL BUS TECH - AMC	RL03	RDTE Management Activities
665502M40RK09	1992	OPEN	M40	SMALL BUSINESS-AMC	RK09	Soldier Technology
665502M40RL03	1992	OPEN	M40	SMALL BUSINESS-AMC	RL03	RDTE Management Activities

665550 Closed Account Adjustments

Budget Line Item: 0909999A

665550900FASP	1992	OPEN	900	CLOSED ACCT ADJMT-M	FASP	Army Space/Missile Defense Command
665550900FPDH	1992	OPEN	900	CLOSED ACCT ADJMT-M	FPDH	Target Acquisition Sensors
665550900FPDT	1993	OPEN	900	CLOSED ACCT ADJMT-M	FPDT	Second Generation FLIR/Own the Night
665550900FPFJ	1992	OPEN	900	CLOSED ACCT ADJMT-M	FPFJ	Army Battle Command System Integration
665550900FPJA	1992	OPEN	900	CLOSED ACCT ADJMT-M	FPJA	Heavy Tactical Vehicle (HTV) Systems
665550900FPMA	1992	OPEN	900	CLOSED ACCT ADJMT-M	FPMA	Navstar Global Positioning System (GPS)
665550900FPSN	1994	OPEN	900	CLOSED ACCT ADJMT-M	FPSN	Mines And Munitions
665550900FPST	2001	OPEN	900	CLOSED ACCT ADJMT-M	FPST	Stryker
665550900MSEC	1993	OPEN	900	CLOSED ACCT ADJMT-M	MSEC	Army Biometrics Program
665550900RA11	1992	OPEN	900	CLOSED ACCT ADJMT-M	RA11	Small Arms
665550900RE01	1992	OPEN	900	CLOSED ACCT ADJMT-M	RE01	Training Ammunition
665550900RF01	1992	OPEN	900	CLOSED ACCT ADJMT-M	RF01	Tactical Bridging
665550900RF02	1992	OPEN	900	CLOSED ACCT ADJMT-M	RF02	Counter Explosive Hazards
665550900RJS1	1992	OPEN	900	CLOSED ACCT ADJMT-M	RJS1	Soldier Modernization
665550900RL02	1992	OPEN	900	CLOSED ACCT ADJMT-M	RL02	Army Test Infrastructure
665550900RL03	1992	OPEN	900	CLOSED ACCT ADJMT-M	RL03	RDTE Management Activities
665550900RL04	1992	OPEN	900	CLOSED ACCT ADJMT-M	RL04	Test Analysis and Evaluation
665550900RL07	1992	OPEN	900	CLOSED ACCT ADJMT-M	RL07	Test and Evaluation Instrumentation
665550900RU01	2000	OPEN	900	CLOSED ACCT ADJMT-M	RU01	Abrams Upgrade Recapitalization
665550900RU22	2011	OPEN	900	CLOSED ACCT ADJMT-M	RU22	Stryker Upgrade Program
665550900TBAS	1992	OPEN	900	CLOSED ACCT ADJMT-M	TBAS	Maneuver/Close Combat Non-system (TADSS)
665550900TBWG	1992	OPEN	900	CLOSED ACCT ADJMT-M	TBWG	Mission Command Staff Training Program
665550900TCAT	1993	OPEN	900	CLOSED ACCT ADJMT-M	TCAT	Combined Arms Tactical Trainers (CATT)
665550900TCNT	1992	OPEN	900	CLOSED ACCT ADJMT-M	TCNT	Combat Training Centers (CTC) Modernization

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
665550900VEQT	2000	OPEN	900	CLOSED ACCT ADJMT-M	VEQT	Environmental Quality Technology
665550900VMSO	2002	OPEN	900	CLOSED ACCT ADJMT-M	VMSO	Army Models and Simulation
665550900VTRD	1992	OPEN	900	CLOSED ACCT ADJMT-M	VTRD	Combat Development Core
665601	**Army Test Ranges and Facilities**				**Budget Line Item:**	**0605601A**
665601F30QOIM	1992	OPEN	F30	Army Test Ranges & Facilities	QOIM	Base Information Management Operations
665601F30RL02	1992	OPEN	F30	Army Test Ranges & Facilities	RL02	Army Test Infrastructure
665602	**Army Technical Test Instrumentation & Targets**				**Budget Line Item:**	**0605602A**
665602628FASP	1992	OPEN	628	Developmental Test Technology & Sustainment	FASP	Army Space/Missile Defense Command
665602628RL02	1992	OPEN	628	Developmental Test Technology & Sustainment	RL02	Army Test Infrastructure
665602628RL07	1992	OPEN	628	Developmental Test Technology & Sustainment	RL07	Test and Evaluation Instrumentation
66560262BRL07	2002	OPEN	62B	OPERATIONAL TESTING INSTRUMENTATION DEVELOPMENT	RL07	Test and Evaluation Instrumentation
66560262CRL07	2002	OPEN	62C	Modeling and Simulation Instrumentation	RL07	Test and Evaluation Instrumentation
665604	**Survivability/Lethality Analysis**				**Budget Line Item:**	**0605604A**
665604675RL04	1992	OPEN	675	Army Survivability Analysis & Evaluation Supp	RL04	Test Analysis and Evaluation
665605	**DOD High Energy Laser Sys Test Fac (HELSTF)**				**Budget Line Item:**	**0605605A**
665605E97RL02	1992	OPEN	E97	DOD HELSTF	RL02	Army Test Infrastructure
665606	**Aircraft Certification**				**Budget Line Item:**	**0605606A**
665606092RD12	1992	OPEN	092	Aircraft Certification	RD12	Aircraft Component Improvement Program
665660	**Judgment Fund Reimbursement**				**Budget Line Item:**	**0909980A**
665660JFRFPFB	2001	OPEN	JFR	JUDGMENT FUND REIMBURSEMENT	FPFB	Air/Missile Defense Battle Management C4I AMDBMC4I
665660JFRRA11	2001	OPEN	JFR	JUDGMENT FUND REIMBURSEMENT	RA11	Small Arms
665660JFRRL02	2001	OPEN	JFR	JUDGMENT FUND REIMBURSEMENT	RL02	Army Test Infrastructure
665660JFRTBWG	2001	OPEN	JFR	JUDGMENT FUND REIMBURSEMENT	TBWG	Mission Command Staff Training Program
665702	**Meteorological Support to RDTE Activities**				**Budget Line Item:**	**0605702A**
665702128RL02	1992	OPEN	128	Meteorological Support To RDT&E Activities	RL02	Army Test Infrastructure
665706	**Materiel Systems Analysis**				**Budget Line Item:**	**0605706A**
665706541RL04	1992	OPEN	541	Materiel Sys Analysis	RL04	Test Analysis and Evaluation
665709	**Exploitation of Foreign Items (MIP)**				**Budget Line Item:**	**0605709A**
665709C28RH01	1992	OPEN	C28	Acq/Exploit Threat Items (MIP)	RH01	Tactical Intelligence and Exploitation
665712	**Support of Operational Testing**				**Budget Line Item:**	**0605712A**
665712001JDJT	1992	OPEN	001	ATEC Joint Tests And Follow-On Test & Eval	JDJT	Joint/Defense Activities
665712001RL02	1992	OPEN	001	ATEC Joint Tests And Follow-On Test & Eval	RL02	Army Test Infrastructure
665712V02RL02	1992	OPEN	V02	ATEC Activities	RL02	Army Test Infrastructure
665716	**Army Evaluation Center**				**Budget Line Item:**	**0605716A**

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
665716302RL04	1998	OPEN	302	Army Evaluation Center	RL04	Test Analysis and Evaluation

665718 Army Modeling & Sim X-Cmd Collaboration & Integ

Budget Line Item: 0605718A

665718S02VMSO	2004	OPEN	S02	HQDA DECISION SUPPORT TOOLS & SERVICES	VMSO	Army Models and Simulation
665718S03VMSO	2004	OPEN	S03	Analysis M&S Tools and Services	VMSO	Army Models and Simulation
665718S05VMSO	2004	OPEN	S05	SIMULATION TECHNOLOGY (SIMTECH) PROGRAM	VMSO	Army Models and Simulation

665801 Programwide Activities

Budget Line Item: 0605801A

665801EU9VSTD	2014	OPEN	EU9	Army Science Board	VSTD	HQDA Studies Program
665801M02RL03	1992	OPEN	M02	Med Cmd Spt (Non-AMHA)	RL03	RDTE Management Activities
665801M15RK09	1992	OPEN	M15	ARI Mgmt/ADM Act	RK09	Soldier Technology
665801M15RK11	1992	OPEN	M15	ARI Mgmt/ADM Act	RK11	Military Eng & Environ Tech,Simulation & Computing
665801M15RL03	1992	OPEN	M15	ARI Mgmt/ADM Act	RL03	RDTE Management Activities
665801M16VRSI	1993	OPEN	M16	Standardization Groups	VRSI	Standardization and Interoperability Programs
665801M42RL03	1992	OPEN	M42	ARDEC Cmd/Ctr Support	RL03	RDTE Management Activities
665801M44RL03	1992	OPEN	M44	CECOM Cmd/Ctr Spt	RL03	RDTE Management Activities
665801M46RL03	1992	OPEN	M46	AMCOM Cmd/Ctr Spt	RL03	RDTE Management Activities
665801M47RL03	1992	OPEN	M47	TACOM Cmd/Ctr Spt	RL03	RDTE Management Activities
665801M53RL02	1992	OPEN	M53	Developmental Test Command/Ctr Spt	RL02	Army Test Infrastructure
665801M55RL03	1992	OPEN	M55	Edgewood Chemical Biological Center	RL03	RDTE Management Activities
665801M58RL03	1992	OPEN	M58	SECOM CMD/CTR Spt	RL03	RDTE Management Activities
665801M76VRSI	1998	OPEN	M76	Armament Group Support	VRSI	Standardization and Interoperability Programs
665801M76XISH	1998	OPEN	M76	Armament Group Support	XISH	North Atlantic Treaty Organization (NATO)

665803 Technical Information Activities

Budget Line Item: 0605803A

665803720RK01	1992	OPEN	720	Tech Info Func Actv	RK01	Research-Technology Base
665803720RK11	1992	OPEN	720	Tech Info Func Actv	RK11	Military Eng & Environ Tech,Simulation & Computing
665803720VSTD	1992	OPEN	720	Tech Info Func Actv	VSTD	HQDA Studies Program
665803727RK01	1992	OPEN	727	Tech Info Activities	RK01	Research-Technology Base
665803727RK11	1992	OPEN	727	Tech Info Activities	RK11	Military Eng & Environ Tech,Simulation & Computing
665803729RK01	1992	OPEN	729	Youth Science Activities	RK01	Research-Technology Base
665803730RK01	1992	OPEN	730	Pers & Trng Analys Act	RK01	Research-Technology Base
665803730RK11	1992	OPEN	730	Pers & Trng Analys Act	RK11	Military Eng & Environ Tech,Simulation & Computing
665803731RK01	1992	OPEN	731	Army High Performance Computing Centers	RK01	Research-Technology Base
665803731RK11	1992	OPEN	731	Army High Performance Computing Centers	RK11	Military Eng & Environ Tech,Simulation & Computing
665803733FLTT	1992	OPEN	733	Acquisition Tech Act	FLTT	Other For Modernization Fielding
665803733X4SA	1992	OPEN	733	Acquisition Tech Act	X4SA	Army Acquisition Executive Support

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
665803737AACS	2002	OPEN	737	KNOWLEDGE MANAGEMENT FUSION	AACS	Conventional Ammunition (SMCA)
665803C16RK01	1992	OPEN	C16	FAST	RK01	Research-Technology Base
665803C16RK11	1992	OPEN	C16	FAST	RK11	Military Eng & Environ Tech,Simulation & Computing
665803C18RK01	1992	OPEN	C18	BAST	RK01	Research-Technology Base
665803C18RK11	1992	OPEN	C18	BAST	RK11	Military Eng & Environ Tech,Simulation & Computing
665803DW3FLTT	2013	OPEN	DW3	Army Geospatial Enterprise Implementation	FLTT	Other For Modernization Fielding
665803DW3X4SA	2013	OPEN	DW3	Army Geospatial Enterprise Implementation	X4SA	Army Acquisition Executive Support
665803VR6FLTT	2009	OPEN	VR6	GEOSPATIAL CONGRESSIONAL ADDS (CA)	FLTT	Other For Modernization Fielding
665805	**Munitions Standardization Effectiveness & Safety**				**Budget Line Item: 0605805A**	
665805296RE01	1992	OPEN	296	Close Combat Technology	RE01	Training Ammunition
665805297AANS	1998	OPEN	297	Mun Survivability & Log	AANS	Conventional Ammunition (NON-SMCA)
665805297RE01	1998	OPEN	297	Mun Survivability & Log	RE01	Training Ammunition
665805857AACS	1992	OPEN	857	DoD Explosives Safety Standards	AACS	Conventional Ammunition (SMCA)
665805857JDSP	1992	2016	857	DoD Explosives Safety Standards	JDSP	Joint DOD Support
665805858AANS	2000	OPEN	858	Army Explosives Safety Management Program	AANS	Conventional Ammunition (NON-SMCA)
665805859RE01	2001	OPEN	859	Life Cycle Pilot Process	RE01	Training Ammunition
665805862RE01	2001	OPEN	862	Indirect Fire And Fuze Technology	RE01	Training Ammunition
665805F21RE01	1992	OPEN	F21	NATO Ammo Evaluation	RE01	Training Ammunition
665805F24ASDE	1992	OPEN	F24	Conventional Munitions Demil	ASDE	Conventional Ammunition Demilitarization
665857	**Environmental Quality Technology Mgmt Support**				**Budget Line Item: 0605857A**	
665857031QMIS	2000	OPEN	031	Environmentally Sustainable Acquisition/Logistics	QMIS	Army Installation Support
665857031VEQT	2000	OPEN	031	Environmentally Sustainable Acquisition/Logistics	VEQT	Environmental Quality Technology
66585706EVEQT	2002	OPEN	06E	ENVIRONMENTAL RESTORATION TECH SUPPORT	VEQT	Environmental Quality Technology
66585706HVEQT	2003	OPEN	06H	Military Materials & Restoration Tech Support	VEQT	Environmental Quality Technology
66585706IVEQT	2005	OPEN	06I	Environmental Quality Technology Support	VEQT	Environmental Quality Technology
665898	**Management Headquarters (Rsch and Dev)**				**Budget Line Item: 0605898A**	
665898FJ2VSHP	2018	OPEN	FJ2	Army SHARP RDTE	VSHP	Sexual Harassment/Assault Response & Prev (SHARP)
665898M65ASLT	1992	OPEN	M65	Army Test and Evaluation Command	ASLT	Logistics Support Programs
665898M65QSEC	1992	OPEN	M65	Army Test and Evaluation Command	QSEC	Army Security Programs
665898M65RL02	1992	OPEN	M65	Army Test and Evaluation Command	RL02	Army Test Infrastructure
665898M65RL04	1992	OPEN	M65	Army Test and Evaluation Command	RL04	Test Analysis and Evaluation
665898M65VTER	1992	OPEN	M65	Army Test and Evaluation Command	VTER	Anti-Terrorism (AT)
665898M65XMG	1992	OPEN	M65	Army Test and Evaluation Command	XMGH	Major Army Management Headquarters Activities AMHA
665898M65XMGI	1992	OPEN	M65	Army Test and Evaluation Command	XMGI	Army Management Headquarters Activities Info Mgmt

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
665898XW7RK01	2016	OPEN	XW7	Command HQ - ARI	RK01	Research-Technology Base
665898XW7RK09	2016	OPEN	XW7	Command HQ - ARI	RK09	Soldier Technology
665898XW7RK11	2016	OPEN	XW7	Command HQ - ARI	RK11	Military Eng & Environ Tech,Simulation & Computing

666001 Military Ground-Based CREW Technology — **Budget Line Item: 0606001A**

666001FD4RH01	2017	OPEN	FD4	Military Ground-Based CREW Technology	RH01	Tactical Intelligence and Exploitation

666002 Ronald Reagan Ballistic Missile Defense Test Site — **Budget Line Item: 0606002A**

666002XW9RL02	2017	OPEN	XW9	Reagan Test Site	RL02	Army Test Infrastructure

666003 Counter Intel and Human Intel Modernization — **Budget Line Item: 0606003A**

666003FI9GPCI	2017	OPEN	FI9	Counterl Intel and Human Intel Modernization	GPCI	Army Counter-Intelligence (CI)

666942 Assessments and Evaluations Cyber Vulnerabilities — **Budget Line Item: 0606942A**

666942FL2VLWA	2018	OPEN	FL2	Cyber Vulnerabilities Assessments and Evaluations	VLWA	Cyberspace Operations

07 Operational Systems Development

172419 Joint Aero Stat Program - EMD Effort — **Budget Line Item: 0102419A**

172419E55FPDG	1995	OPEN	E55	Joint Aero Stat Program -EMD Effort	FPDG	Operational / Tactical Sensors
172419EG7FPDG	2013	OPEN	EG7	AERSTAT JOINT PROGRAM OFFICE - COCOM EXERCISE	FPDG	Operational / Tactical Sensors

173142 SATCOM Ground Environment — **Budget Line Item: 1203142A**

173142FE1FPMH	2017	OPEN	FE1	Dscs-Dcs (Phase II)	FPMH	Strategic Military Satellite Communications
173142FE2FPMJ	2017	OPEN	FE2	MILSATCOM System Engineering	FPMJ	Tactical Military Satellite Communications
173142FE4FPMC	2017	OPEN	FE4	Enroute Mission Command	FPMC	Tactical Network Communications
173142FI8FPMC	2018	OPEN	FI8	Protected Anti-JAM Tactical SATCOM	FPMC	Tactical Network Communications

178053 JT Tactical Grd Sta (P3I) (MIP) APPN RDTE — **Budget Line Item: 1208053A**

178053FE7FASP	2015	OPEN	FE7	Joint Tact Grd Station-P3I(MIP)	FASP	Army Space/Missile Defense Command
178053FE7FPQS	2015	OPEN	FE7	Joint Tact Grd Station-P3I(MIP)	FPQS	Joint Tactical Ground Station (JTAGS)

272429 Aerostat Joint Project - COCOM Exercise — **Budget Line Item: 0202429A**

272429EP8FPDG	2013	OPEN	EP8	COCOM Exercise	FPDG	Operational / Tactical Sensors

273347 Intelligence Support to Cyber (ISC) MIP — **Budget Line Item: 0203347A**

273347CY7VLWA	2010	OPEN	CY7	INTELLIGENCE SUPPORT TO CYBER (ISC) MIP	VLWA	Cyberspace Operations

273726 Advanced Field Artillery Tactical Data System — **Budget Line Item: 0203726A**

273726322FPFL	1992	OPEN	322	Adv Field Artillery Tactical Data System(AFA)	FPFL	Fire Support C2 Systems
27372633CRB12	2002	OPEN	33C	IMPROVED POSITION AZIMUTH DETERMINING SYS (IPADS)	RB12	Artillery Accuracy Equipment
273726DU5FPFL	2012	OPEN	DU5	AFATDS Increment II	FPFL	Fire Support C2 Systems
273726ED6FPFL	2013	OPEN	ED6	Pocket-Sized Forward Entry Device (PFED) Inc 2	FPFL	Fire Support C2 Systems
273726F19FPFL	2009	2017	F19	JADOCS	FPFL	Fire Support C2 Systems

273728 Joint Automated Deep Operation Coordination System — **Budget Line Item: 0203728A**

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
273728EF6FPFL	2013	OPEN	EF6	JADOCS	FPFL	Fire Support C2 Systems
273728EF7FPFL	2013	OPEN	EF7	Precision Fires Warrior Dismounted & Mounted	FPFL	Fire Support C2 Systems
273728EF8FPFL	2013	OPEN	EF8	AFATDS Increment 1	FPFL	Fire Support C2 Systems
273735	**Combat Vehicle Improvement Programs**				**Budget Line Item: 0203735A**	
273735280RU05	2000	OPEN	280	RECOV VEH IMPROV PROG	RU05	Hercules M88A2 Upgrade Recapitalization
273735330RU01	2000	OPEN	330	Abrams Tank Improve Prog	RU01	Abrams Upgrade Recapitalization
273735371RU08	2000	OPEN	371	Bradley Improve Prog	RU08	Bradley Upgrade Recapitalization
273735431RA09	1997	OPEN	431	M113 IMPROVEMENTS	RA09	Armored Multi-Purpose Veh (AMPV) & Legacy M113 APC
273735DS5RU08	2009	OPEN	DS5	Armored Multi Purpose Vehicle	RU08	Bradley Upgrade Recapitalization
273735EC5FL6Y	2018	2019	EC5	Futures Ground Combat Fire Support Vehicle	FL6Y	Fire Support Vehicle (FSV)
273735EE2FPST	2013	OPEN	EE2	Stryker Improvement	FPST	Stryker
273735EE2RU22	2013	OPEN	EE2	Stryker Improvement	RU22	Stryker Upgrade Program
273735FD8FPSV	2015	OPEN	FD8	Light Armored Vehicle Improvement	FPSV	Future Fighting Vehicle (FFV)
273740	**Maneuver Control System**				**Budget Line Item: 0203740A**	
273740484FPFP	1992	OPEN	484	Maneuver Control System	FPFP	Tactical Battle Command (TBC)
273743	**155MM Self-Propelled Howitzer Improvements**				**Budget Line Item: 0203743A**	
273743FF9FPCA	2019	OPEN	FF9	PIM Improvement Program	FPCA	Modernization Priority Long Range Precision Fires
273743FF9FPHB	2017	OPEN	FF9	PIM Improvement Program	FPHB	Self-Propelled Howitzers
273744	**Aircraft Modifications/Product Improvement Prog**				**Budget Line Item: 0203744A**	
273744028FPDB	1992	OPEN	028	Aerial Common Sensor (ACS) (MIP)	FPDB	Manned Aerial Intelligence Surveillance and Recon
273744430FPEH	1992	2019	430	Impr Cargo Helicopter	FPEH	CH-47 Chinook
273744430RU04	2000	OPEN	430	Impr Cargo Helicopter	RU04	CH-47/MH-47 Block II/REMAN
273744504FPEG	1992	OPEN	504	Black Hawk Recapitalization/Modernization	FPEG	Black Hawk
273744D12FPEL	2001	OPEN	D12	LONGBOW APACHE OPERATIONAL SYSTEMS DEVELOP	FPEL	AH-64E Apache Guardian
273744D17FPEL	2004	OPEN	D17	Apache Block III	FPEL	AH-64E Apache Guardian
273744D17RU02	2004	2017	D17	Apache Block III	RU02	AH-64 Apache Mods
273744D18RD13	2006	OPEN	D18	Fixed Wing Aircraft	RD13	Utility Fixed Wing Aircraft
273744EB1FPEG	2014	OPEN	EB1	Improved Turbine Engine Program	FPEG	Black Hawk
273744EB6FL6P	2015	OPEN	EB6	MQ-1C Gray Eagle MODS	FL6P	Unmanned Aerial Systems (UAS)
273752	**Aircraft Engine Component Improvement Program**				**Budget Line Item: 0203752A**	
273752106RD12	1992	OPEN	106	A/C Compon Improv Prog	RD12	Aircraft Component Improvement Program
273758	**Digitization**				**Budget Line Item: 0203758A**	
273758374FLTT	1993	OPEN	374	HOR Battlefld Digitizn	FLTT	Other For Modernization Fielding
273758EC8FLTT	2012	OPEN	EC8	Emerging Technologies from NIEs	FLTT	Other For Modernization Fielding

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
273758EC8FPFP	2012	OPEN	EC8	Emerging Technologies from NIEs	FPFP	Tactical Battle Command (TBC)
273759	**Force XXI Battle Command, Brigade and Below (FBCB2**					**Budget Line Item: 0203759A**
273759120FPSC	1998	OPEN	120	Force XXI Battle Cmd, Brigade & Below (FBCB2)	FPSC	Force XXI Battle Command Brigade & Below (FBCB2)
273759122FPSC	2008	OPEN	122	JOINT BATTLE COMMAND - PLATFORM (JBC-P)	FPSC	Force XXI Battle Command Brigade & Below (FBCB2)
273801	**Missile and Air Defense Prod Improvement Prog**					**Budget Line Item: 0203801A**
273801036FPQG	2002	OPEN	036	PATRIOT PROD IMP PGM	FPQG	Low Tier Air and Missile Defense/MSE
273801038FPDG	1992	OPEN	038	Avenger PIP	FPDG	Operational / Tactical Sensors
273801DF8FPLK	2007	OPEN	DF8	DF8	FPLK	Missiles
273801DF9FPLK	2007	OPEN	DF9	DF9	FPLK	Missiles
273801DT5FPDG	2011	OPEN	DT5	Stinger Product Improvement	FPDG	Operational / Tactical Sensors
273802	**Other Missile Product Improvement Programs**					**Budget Line Item: 0203802A**
273802045FPLE	1992	OPEN	045	HELLFIRE PROD IMP PROG	FPLE	Aviation Rockets And Missiles
273802781FPLE	2005	OPEN	781	Hellfire UAV	FPLE	Aviation Rockets And Missiles
273802788FPLF	2005	OPEN	788	ATACMS PIP	FPLF	Multiple Launch Rocket System (MLRS)
27380278JFPLK	2008	OPEN	78J	CLOSE COMBAT MSL MOD FAMILY OF MSLS (Javelin)	FPLK	Missiles
273802DZ9FPLF	2012	OPEN	DZ9	ATACMS Mods	FPLF	Multiple Launch Rocket System (MLRS)
273802VT9FPDE	2009	2018	VT9	Lethal Miniature Aerial Missile System (LMAMS)	FPDE	Night Vision
273802VT9FPLB	2009	OPEN	VT9	Lethal Miniature Aerial Missile System (LMAMS)	FPLB	Javelin
273802VT9FPLF	2009	OPEN	VT9	Lethal Miniature Aerial Missile System (LMAMS)	FPLF	Multiple Launch Rocket System (MLRS)
273802VT9FPLK	2009	OPEN	VT9	Lethal Miniature Aerial Missile System (LMAMS)	FPLK	Missiles
273808	**Tractor Card**					**Budget Line Item: 0203808A**
273808DS1FPLK	2011	OPEN	DS1	TRACTOR BARN	FPLK	Missiles
273808DS2FPLK	2011	OPEN	DS2	Tractor Puma	FPLK	Missiles
273808E11FTRC	1994	OPEN	E11	DELL	FTRC	Advanced Combat Technologies
275402	**Integrated Base Defense**					**Budget Line Item: 0205402A**
275402EF2FPDH	2013	OPEN	EF2	Integrated Base Defense	FPDH	Target Acquisition Sensors
275402EF2FPDL	2013	OPEN	EF2	Integrated Base Defense	FPDL	Intel and Electronic Warfare Ground Collection
275402EF2RG04	2013	OPEN	EF2	Integrated Base Defense	RG04	Protective Systems
275410	**Logistics and Engineer Equipment - Adv Dev**					**Budget Line Item: 0205410A**
275410EE9RJC7	2013	OPEN	EE9	Material Handling Equipment - Advance Development	RJC7	Materiel Handling Equipment (MHE)
275412	**Environmental Information Tech Modernization**					**Budget Line Item: 0205412A**
275412EE6VEQT	2013	OPEN	EE6	Environmental Information Tech Modernization	VEQT	Environmental Quality Technology
275456	**Lower Tier Air and Missile Defense (AMD) System**					**Budget Line Item: 0205456A**
275456EF9FASP	2013	OPEN	EF9	System Integration and Test	FASP	Army Space/Missile Defense Command

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
275456EF9FPQG	2013	OPEN	EF9	System Integration and Test	FPQG	Low Tier Air and Missile Defense/MSE
275778	**Guided Multiple Launch Rocket System (GMLRS)**				**Budget Line Item:**	**0205778A**
275778EG2FPLF	2013	OPEN	EG2	GMLRS Alternative Warheads	FPLF	Multiple Launch Rocket System (MLRS)
275778EG3FPLF	2013	OPEN	EG3	Guided MLRS	FPLF	Multiple Launch Rocket System (MLRS)
278010	**Joint Tactical Communications Program (TRI TAC)**				**Budget Line Item:**	**0208010A**
27801001DFPMC	2002	OPEN	01D	TACTICAL INTERNET MANAGEMENT SYSTEM	FPMC	Tactical Network Communications
278053	**JT Tactical Grd Sta (P3I) (MIP)**				**Budget Line Item:**	**0208053A**
278053635FPQS	1996	OPEN	635	Joint Tact Grd Station-P3I(MIP)	FPQS	Joint Tactical Ground Station (JTAGS)
278058	**Joint High Speed Vessel (JHSV)**				**Budget Line Item:**	**0208058A**
278058JH1RJM5	2005	OPEN	JH1	JOINT HIGH SPEED VESSEL MANUFACTURING TECHNOLOGY	RJM5	Army Watercraft
370349	**Warfighter Information Network - Tactical - Inc 2**				**Budget Line Item:**	**0310349A**
370349EE7FPMC	2013	OPEN	EE7	WIN-T Increment 2 - Initial Networking	FPMC	Tactical Network Communications
373140	**Communications Security (COMSEC) Equipment**				**Budget Line Item:**	**0303140A**
373140491FPMC	1992	OPEN	491	Information Assurance Development	FPMC	Tactical Network Communications
373140491MX5T	1992	OPEN	491	Information Assurance Development	MX5T	Information Systems Security
373140501FPMC	1992	OPEN	501	Army Key Mgt System	FPMC	Tactical Network Communications
37314050BMPBO	2009	OPEN	50B	BIOMETRICS	MPBO	Biometrics Collection
37314050BMSEC	2000	OPEN	50B	BIOMETRICS	MSEC	Army Biometrics Program
3731405PMMPB	2009	OPEN	5PM	DOD BIOMETRICS PROGRAM MANAGEMENT	MPBO	Biometrics Collection
3731405PMMSEC	2008	OPEN	5PM	DOD BIOMETRICS PROGRAM MANAGEMENT	MSEC	Army Biometrics Program
373140DV4FPMC	2012	OPEN	DV4	Key Management Infrastructure (KMI)	FPMC	Tactical Network Communications
373140DV5FPMC	2012	OPEN	DV5	Crypto Modernization (Crypto Mod)	FPMC	Tactical Network Communications
373140ET9FPMC	2016	OPEN	ET9	Embedded Crypto Modernization (CRYPTO MOD)	FPMC	Tactical Network Communications
373140FF8FPFP	2017	OPEN	FF8	Unit Activity Monitoring (UAM)	FPFP	Tactical Battle Command (TBC)
373140FF8WNET	2017	OPEN	FF8	Unit Activity Monitoring (UAM)	WNET	Network Operations and Security Centers
373141	**Global Combat Support System**				**Budget Line Item:**	**0303141A**
373141083ERPD	2019	OPEN	083	Global Combat Support Sys - Army	ERPD	ERP GCSS-A: Global Combat Support System-A (DPOE)
373141083MPTI	2000	OPEN	083	Global Combat Support Sys - Army	MPTI	Single Army Logistics Enterprise (SALE)
37314108AMPTI	2005	OPEN	08A	Army Enterprise System Integration Program	MPTI	Single Army Logistics Enterprise (SALE)
373141EK2ERPD	2019	OPEN	EK2	GCSS-A Increment 2	ERPD	ERP GCSS-A: Global Combat Support System-A (DPOE)
373141EK2MPTI	2015	OPEN	EK2	GCSS-A Increment 2	MPTI	Single Army Logistics Enterprise (SALE)
373141VU2MPTI	2011	OPEN	VU2	Installation Fixed Base	MPTI	Single Army Logistics Enterprise (SALE)
373142	**SATCOM Ground Environment**				**Budget Line Item:**	**0303142A**
373142253FPMH	1992	OPEN	253	Dscs-Dcs (Phase II)	FPMH	Strategic Military Satellite Communications

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
373142456FPMJ	1992	OPEN	456	MILSATCOM System Engineering	FPMJ	Tactical Military Satellite Communications
373142562FPMJ	1992	OPEN	562	MBAND INT SAT TERM MIST	FPMJ	Tactical Military Satellite Communications
373142EA3FPMJ	2013	OPEN	EA3	Transportable Tactical Cmd Comms (T2C2)	FPMJ	Tactical Military Satellite Communications
373142EK8FPMC	2015	OPEN	EK8	Enroute Mission Command	FPMC	Tactical Network Communications
373150	**Army Global Command & Control System**				**Budget Line Item:**	**0303150A**
373150C86ERPE	2019	OPEN	C86	Army Global C2 System	ERPE	ERP GFEBS: Gen Fund Enterprise Business Sys(DPOEF)
373150C86FPFR	1996	OPEN	C86	Army Global C2 System	FPFR	Global Command & Control System - Army (GCCS-A)
373150C86VGFB	2003	OPEN	C86	Army Global C2 System	VGFB	General Fund Enterprise Business System (GFEBS)
373150EA5FPFR	2014	OPEN	EA5	Strategic and Joint Mission Command	FPFR	Global Command & Control System - Army (GCCS-A)
373158	**Joint Command and Control - Army**				**Budget Line Item:**	**0303158A**
373158714FPFR	2005	OPEN	714	JOINT COMMAND AND CONTROL - ARMY	FPFR	Global Command & Control System - Army (GCCS-A)
375128	**INTEL SPT TO FORCE XXI**				**Budget Line Item:**	**0303028A**
375128FG2GPCI	2017	OPEN	FG2	Counterintelligence & Human Intel Modernization	GPCI	Army Counter-Intelligence (CI)
375128FG2GPSI	2017	OPEN	FG2	Counterintelligence & Human Intel Modernization	GPSI	Personnel Security Investigations
375128H12VLWA	1996	OPEN	H12	INTEL SPT TO FORCE XX1	VLWA	Cyberspace Operations
375128H13RH01	1999	OPEN	H13	Information Dominance Center (IDC) - Tiara	RH01	Tactical Intelligence and Exploitation
375128H13VLWA	1999	OPEN	H13	Information Dominance Center (IDC) - Tiara	VLWA	Cyberspace Operations
375172	**Combined Advanced Applications**				**Budget Line Item:**	**0305172A**
375172XT9FPLE	2017	OPEN	XT9	Combined Advanced Applications	FPLE	Aviation Rockets And Missiles
375172XT9MXUS	2017	OPEN	XT9	Combined Advanced Applications	MXUS	Support to Special Purpose Networks
375179	**Integrated Broadcast Service**				**Budget Line Item:**	**0305179A**
375179EF4FPDD	2013	OPEN	EF4	Integrated Broadcast System	FPDD	Joint Tactical Terminal (JTT)
375204	**Tactical Unmanned Aerial Vehicles (MIP)**				**Budget Line Item:**	**0305204A**
375204114FL6P	1997	OPEN	114	Tactical Unmanned Aerial Vehicle (TUAV) (MIP)	FL6P	Unmanned Aerial Systems (UAS)
375204114FPFF	1997	OPEN	114	Tactical Unmanned Aerial Vehicle (TUAV) (MIP)	FPFF	Intelligence and Electronic Warfare UAS Sensors
37520411AFL6P	2001	OPEN	11A	Advanced Payload Develop & Spt (MIP)	FL6P	Unmanned Aerial Systems (UAS)
37520411AFPFF	2001	OPEN	11A	Advanced Payload Develop & Spt (MIP)	FPFF	Intelligence and Electronic Warfare UAS Sensors
37520411BFPDB	2001	OPEN	11B	Tsp Development (MIP)	FPDB	Manned Aerial Intelligence Surveillance and Recon
37520411BFPFF	2001	OPEN	11B	Tsp Development (MIP)	FPFF	Intelligence and Electronic Warfare UAS Sensors
375204123FL6P	2000	OPEN	123	Joint Technology Center System Integration	FL6P	Unmanned Aerial Systems (UAS)
375204123FPFF	2000	OPEN	123	Joint Technology Center System Integration	FPFF	Intelligence and Electronic Warfare UAS Sensors
375204D09FL6P	2003	OPEN	D09	EXTENDED RANGE UAV (MIP)	FL6P	Unmanned Aerial Systems (UAS)
375204D10FL6P	2003	OPEN	D10	SUAV (MIP)	FL6P	Unmanned Aerial Systems (UAS)
375206	**Special Electronic Mission ACFT ADV DEV (MIP)**				**Budget Line Item:**	**0305206A**

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
375206EH2FPDB	2015	OPEN	EH2	EMARSS ADV DEV (MIP)	FPDB	Manned Aerial Intelligence Surveillance and Recon
375206EH3FPDB	2015	OPEN	EH3	EMARSS Payloads ADV DEV (MIP)	FPDB	Manned Aerial Intelligence Surveillance and Recon
375206EH4FPDB	2015	OPEN	EH4	ARL ADV DEV (MIP)	FPDB	Manned Aerial Intelligence Surveillance and Recon
375206EH5FPDB	2015	OPEN	EH5	ARL Payloads ADV DEV (MIP)	FPDB	Manned Aerial Intelligence Surveillance and Recon
375206EH6FPDB	2015	OPEN	EH6	Guardrail Common Sensor (GRCS) (MIP)	FPDB	Manned Aerial Intelligence Surveillance and Recon
375206EH7FPDB	2015	OPEN	EH7	Guardrail Common Sensor (GRCS) Payloads (MIP)	FPDB	Manned Aerial Intelligence Surveillance and Recon
375208	**Distributed Common Ground Systems (MIP)**				**Budget Line Item:**	**0305208A**
375208956FPDP	1998	OPEN	956	Distributed Common Ground System (MIP)	FPDP	Distributed Common Ground System, Army (DCGS-A)
375208D06FPDP	2003	OPEN	D06	DCGS-A FUSION INTEGRATION (MIP)	FPDP	Distributed Common Ground System, Army (DCGS-A)
375208D07FPDP	2003	OPEN	D07	DCGS-A Common Modules (MIP)	FPDP	Distributed Common Ground System, Army (DCGS-A)
375208D08FPDP	2003	OPEN	D08	DCGS-A SENSOR INTEGRATION (MIP)	FPDP	Distributed Common Ground System, Army (DCGS-A)
375208D15FPDP	2004	OPEN	D15	MUSE & TES TADSS (MIP)	FPDP	Distributed Common Ground System, Army (DCGS-A)
375219	**MQ-1 Gray Eagle - Army UAV (MIP)**				**Budget Line Item:**	**0305219A**
375219MQ1FL6P	2010	OPEN	MQ1	MQ-1 Gray Eagle - Army UAV (MIP)	FL6P	Unmanned Aerial Systems (UAS)
375232	**RQ-11 Raven (MIP)**				**Budget Line Item:**	**0305232A**
375232RA7FL6P	2010	OPEN	RA7	RQ-11 Raven (MIP)	FL6P	Unmanned Aerial Systems (UAS)
375233	**RQ-7 Shadow UAV**				**Budget Line Item:**	**0305233A**
375233RQ7FL6P	2010	OPEN	RQ7	RQ-7 Shadow UAV	FL6P	Unmanned Aerial Systems (UAS)
375233RQ7FPCG	2019	OPEN	RQ7	RQ-7 Shadow UAV	FPCG	Modernization Priority Future Vertical Lift
377207	**Aerial Common Sensor (MIP)**				**Budget Line Item:**	**0307207A**
377207024FPDB	2009	OPEN	024	AERIAL COMMON SENSOR (MIP)	FPDB	Manned Aerial Intelligence Surveillance and Recon
377665	**Biometrics Enabled Intelligence - MIP**				**Budget Line Item:**	**0307665A**
377665BI7GPCI	2009	OPEN	BI7	Biometrics Enabled Intelligence - MIP	GPCI	Army Counter-Intelligence (CI)
377665BI7MPBO	2009	OPEN	BI7	Biometrics Enabled Intelligence - MIP	MPBO	Biometrics Collection
377665BI7VOFS	2014	2017	BI7	Biometrics Enabled Intelligence - MIP	VOFS	Operation Freedoms Sentinel - Direct OCO
377665FL5MPBO	2019	OPEN	FL5	Next Gen Biometric Collection Capability (MIP)	MPBO	Biometrics Collection
670000	**Other Army Programs**				**Budget Line Item:**	**0P0GMTOT**
6700007XXGPCI	2002	OPEN	7XX	Security & Intelligence	GPCI	Army Counter-Intelligence (CI)
6700007XXGPIS	2002	2016	7XX	Security & Intelligence	GPIS	Intelligence Support to Operations
673778	**MLRS Product Improvement Program**				**Budget Line Item:**	**0603778A**
673778090FPLF	1992	OPEN	090	MLRS HIMARS	FPLF	Multiple Launch Rocket System (MLRS)
673778093FPLF	1992	OPEN	093	Multi-Launch Rocket System (MLRS)	FPLF	Multiple Launch Rocket System (MLRS)
673778784FPLF	1992	OPEN	784	Guided MLRS	FPLF	Multiple Launch Rocket System (MLRS)
67377878GFPLF	2009	OPEN	78G	Gmlrs Alternative Warheads	FPLF	Multiple Launch Rocket System (MLRS)

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
673778DX8FPLF	2013	OPEN	DX8	HIMARS Product Improvement Program	FPLF	Multiple Launch Rocket System (MLRS)
673778DZ8FPLF	2015	OPEN	DZ8	Long Range Precision Fires	FPLF	Multiple Launch Rocket System (MLRS)

673813 Tractor Pull — **Budget Line Item: 0603813A**

673813ET1RH01	2014	OPEN	ET1	Tractor Peel	RH01	Tactical Intelligence and Exploitation

673820 UAS Modifications/Product Improvement Program — **Budget Line Item: 0305235A**

673820D20FL6P	2003	OPEN	D20	VTOL MODS/PIP	FL6P	Unmanned Aerial Systems (UAS)

675024 Anti-Tamper Technology Support — **Budget Line Item: 0605024A**

675024FB1RL03	2015	OPEN	FB1	Anti-Tamper Technology Support	RL03	RDTE Management Activities

677131 Weapons and Munitions Product Improvement Programs — **Budget Line Item: 0607131A**

677131ER2RE01	2015	OPEN	ER2	Close Combat Technology	RE01	Training Ammunition
677131ER5RE01	2015	OPEN	ER5	Indirect Fire and Fuze Technology	RE01	Training Ammunition
677131ER6RE01	2015	OPEN	ER6	Direct Fire Technology	RE01	Training Ammunition

677133 Tractor Smoke — **Budget Line Item: 0607133A**

677133ET2RH01	2014	OPEN	ET2	Tractor Stove	RH01	Tactical Intelligence and Exploitation

677134 Long Range Precision Fires (LRPF) — **Budget Line Item: 0607134A**

677134ES1FPCA	2019	OPEN	ES1	Long Range Precision Fires (LRPF)	FPCA	Modernization Priority Long Range Precision Fires
677134ES1FPLF	2015	OPEN	ES1	Long Range Precision Fires (LRPF)	FPLF	Multiple Launch Rocket System (MLRS)

677135 Apache Product Improvement Program — **Budget Line Item: 0607135A**

677135ES2FPEL	2014	OPEN	ES2	Apache Product Improvement Program	FPEL	AH-64E Apache Guardian

677136 Blackhawk Product Improvement Program — **Budget Line Item: 0607136A**

677136ES3FPEG	2014	OPEN	ES3	Blackhawk Product Improvement Program	FPEG	Black Hawk

677137 Chinook Product Improvement Program — **Budget Line Item: 0607137A**

677137ES4RU04	2014	OPEN	ES4	Chinook Product Improvement Program	RU04	CH-47/MH-47 Block II/REMAN

677138 Fixed Wing Product Improvement Program — **Budget Line Item: 0607138A**

677138ES5RD13	2014	OPEN	ES5	Fixed Wing Product Improvement Program	RD13	Utility Fixed Wing Aircraft

677139 Improved Turbine Engine Program — **Budget Line Item: 0607139A**

677139ES6FPEG	2014	OPEN	ES6	Improved Turbine Engine Program	FPEG	Black Hawk

677140 Emerging Technologies from NIE — **Budget Line Item: 0607140A**

677140ES7FPFP	2014	OPEN	ES7	Emerging Technologies from NIE	FPFP	Tactical Battle Command (TBC)
677140ES7X4SA	2014	OPEN	ES7	Emerging Technologies from NIE	X4SA	Army Acquisition Executive Support

677141 Non-ERP Logistics Automation — **Budget Line Item: 0607141A**

677141DY1AIEI	2012	OPEN	DY1	Logistics Information Warehouse (LIW)	AIEI	LCMC/LOGSA Operations
677141DY2AIEI	2010	OPEN	DY2	Lead Material Integrator (LMI) (DST)	AIEI	LCMC/LOGSA Operations

677142 Aviation Rocket System Product Improvement & Dev — **Budget Line Item: 0607142A**

Functional Area	BGFY	TMFY	RDTE Project		MDEP	
677142EW9FPLE	2016	OPEN	EW9	Aviation Rocket System Product Improvement and Dev	FPLE	Aviation Rockets And Missiles
677143	**Unmanned Aircraft System Universal Products**				**Budget Line Item:**	**0607143A**
677143EX1FL6P	2017	OPEN	EX1	Unmanned Aircraft Systems Universal Products	FL6P	Unmanned Aerial Systems (UAS)
677143EX1FPCG	2019	OPEN	EX1	Unmanned Aircraft Systems Universal Products	FPCG	Modernization Priority Future Vertical Lift
677145	**Apache Development**				**Budget Line Item:**	**0607145A**
677145FD5FPEL	2019	OPEN	FD5	Apache Product Improvement	FPEL	AH-64E Apache Guardian
677312	**Army Operational Systems Development**				**Budget Line Item:**	**0607312A**
677312BR5FPQU	2019	OPEN	BR5	Army Operational Systems Development	FPQU	Combat Technology Leadership Initiatives
677664	**Biometrics Enabling Capability**				**Budget Line Item:**	**0607664A**
677664EG4MSEC	2013	OPEN	EG4	Biometrics Enabling Capability	MSEC	Army Biometrics Program
677665	**Family of Biometrics**				**Budget Line Item:**	**0607665A**
677665DT2MSEC	2010	OPEN	DT2	Non-MIP Biometrics	MSEC	Army Biometrics Program
677665DU2MSEC	2011	OPEN	DU2	Management Agency	MSEC	Army Biometrics Program
677665EF3MSEC	2013	OPEN	EF3	Biometrics Enabling Capability	MSEC	Army Biometrics Program
677865	**Patriot Product Improvement**				**Budget Line Item:**	**0607865A**
677865DV8FPQG	2012	OPEN	DV8	Patriot Product Improvement	FPQG	Low Tier Air and Missile Defense/MSE
772239	**Avionics Component Improvement Program**				**Budget Line Item:**	**0702239A**
772239C92RD12	2004	OPEN	C92	AVIONICS COMPONENT LIFE CYCLE IMPROVEMENT	RD12	Aircraft Component Improvement Program
778045	**INDUSTRIAL PREPARDEDNESS**				**Budget Line Item:**	**0708045A**
778045E25RN04	1992	OPEN	E25	Mfg Science & Tech	RN04	Manufacturing Technology
778045EA2RN04	2003	OPEN	EA2	MANTECH INITIATIVES (CA)	RN04	Manufacturing Technology