Contract ID:	0001	Reference IDV:	W56KGU17D0006
Modification Number:	4	Transaction Number:	1
Award/IDV Type:	DO Delivery Order	Action Obligation (\$):	\$0.00
Date Signed:	Mar 29, 2018	Solicitation Date:	-
Contracting Agency ID:	2100	Contracting Agency:	DEPT OF THE ARMY
Contracting Office Name:	W6QK ACC-APG	PSC Type:	S
PSC:	AC61	PSC Description:	R&D- DEFENSE SYSTEM: ELECTRONICS/COMMUNICATION EQUIPMENT (BASIC RESEARCH)
NAICS:	541712	NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)
Entity City:	ROLLING MEADOWS	Entity State:	IL
Entity ZIP Code:	600081015	Additional Reporting Code:	_
Additional Reporting Description:	-	Unique Entity ID:	E4X3BLZPPPX3
Ultimate Parent Unique Entity ID:	NKVZLJL93QT6	Ultimate Parent Legal Business Name:	Northrop Grumman Corporation
Legal Business Name:	NORTHROP GRUMMAN SYSTEMS CORPORATION	CAGE Code:	26916
Contract ID:	0001	Reference IDV:	W56KGU17D0006
Modification Number:	5	Transaction Number:	1
Award/IDV Type:	DO Delivery Order	Action Obligation (\$):	\$0.00
Date Signed:	May 2, 2018	Solicitation Date:	_
Contracting Agency ID:	2100	Contracting Agency:	DEPT OF THE ARMY
Contracting Office Name:	W6QK ACC-APG	PSC Type:	S
PSC:	AC61	PSC Description:	R&D- DEFENSE SYSTEM: ELECTRONICS/COMMUNICATION EQUIPMENT (BASIC RESEARCH)
NAICS:	541712	NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT
			BIOTECHNOLOGY)
Entity City:	ROLLING MEADOWS	Entity State:	IL
Entity City: Entity ZIP Code:	ROLLING MEADOWS 600081015	Entity State: Additional Reporting Code:	IL
			IL
Entity ZIP Code: Additional Reporting		Additional Reporting Code:	IL -

Contract ID:	0001	Reference IDV:	W56KGU17D0006
Modification Number:	6	Transaction Number:	1
Award/IDV Type:	DO Delivery Order	Action Obligation (\$):	\$0.00
Date Signed:	May 11, 2018	Solicitation Date:	-
Contracting Agency ID:	2100	Contracting Agency:	DEPT OF THE ARMY
Contracting Office Name:	W6QK ACC-APG	PSC Type:	S
PSC:	AC61	PSC Description:	R&D- DEFENSE SYSTEM: ELECTRONICS/COMMUNICATION EQUIPMENT (BASIC RESEARCH)
NAICS:	541712	NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)
Entity City:	ROLLING MEADOWS	Entity State:	IL
Entity ZIP Code:	600081015	Additional Reporting Code:	-
Additional Reporting Description:	-	Unique Entity ID:	E4X3BLZPPPX3
Ultimate Parent Unique Entity ID:	NKVZLJL93QT6	Ultimate Parent Legal Business Name:	Northrop Grumman Corporation
Legal Business Name:	NORTHROP GRUMMAN SYSTEMS CORPORATION	CAGE Code:	26916
Contract ID:	0001	Reference IDV:	W56KGU17D0006
Modification Number:	2	Transaction Number:	1
Award/IDV Type:	DO Delivery Order	Action Obligation (\$):	\$0.00
Date Signed:	Mar 15, 2018	Solicitation Date:	
Contracting Agency ID:	2100	Contracting Agency:	DEPT OF THE ARMY
Contracting Office Name:	W6QK ACC-APG	PSC Type:	S
PSC:	AC61	PSC Description:	R&D- DEFENSE SYSTEM: ELECTRONICS/COMMUNICATION EQUIPMENT (BASIC RESEARCH)
NAICS:	541712	NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)
Entity City:	ROLLING MEADOWS	Entity State:	IL
Entity City: Entity ZIP Code:	ROLLING MEADOWS 600081015	Entity State: Additional Reporting Code:	
Entity ZIP Code: Additional Reporting		Additional Reporting Code:	-

Contract ID:	0001	Reference IDV:	W56KGU17D0006
Modification Number:	0	Transaction Number:	1
Award/IDV Type:	DO Delivery Order	Action Obligation (\$):	\$870,032.00
Date Signed:	Sep 28, 2017	Solicitation Date:	-
Contracting Agency ID:	2100	Contracting Agency:	DEPT OF THE ARMY
Contracting Office Name:	W6QK ACC-APG	PSC Type:	S
PSC:	AC61	PSC Description:	R&D- DEFENSE SYSTEM: ELECTRONICS/COMMUNICATION EQUIPMENT (BASIC RESEARCH
NAICS:	541712	NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)
Entity City:	ROLLING MEADOWS	Entity State:	IL
Entity ZIP Code:	600081015	Additional Reporting Code:	-
Additional Reporting Description:	-	Unique Entity ID:	E4X3BLZPPPX3
Ultimate Parent Unique Entity ID:	NKVZLJL93QT6	Ultimate Parent Legal Business Name:	Northrop Grumman Corporation
Legal Business Name:	NORTHROP GRUMMAN SYSTEMS CORPORATION	CAGE Code:	26916
Contract ID:	0001	Reference IDV:	W56KGU17D0006
Modification Number:	1	Transaction Number:	1
Award/IDV Type:	DO Delivery Order	Action Obligation (\$):	\$0.00
Date Signed:	Oct 27, 2017	Solicitation Date:	
Contracting Agency ID:	2100	Contracting Agency:	DEPT OF THE ARMY
Contracting Office Name:	W6QK ACC-APG	PSC Type:	S
PSC:	AC61	PSC Description:	R&D- DEFENSE SYSTEM: ELECTRONICS/COMMUNICATION EQUIPMENT (BASIC RESEARCH)
			EQUIPMENT (BASIC RESEARCH
NAICS:	541712	NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)
	541712 ROLLING MEADOWS	NAICS Description: Entity State:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT
		-	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY) IL
Entity City: Entity ZIP Code: Additional Reporting	ROLLING MEADOWS	Entity State:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY) IL
Entity City:	ROLLING MEADOWS	Entity State: Additional Reporting Code:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY) IL

Contract ID:	0001	Reference IDV:	W56KGU17D0006
Modification Number:	9	Transaction Number:	1
Award/IDV Type:	DO Delivery Order	Action Obligation (\$):	\$0.00
Date Signed:	Jun 29, 2018	Solicitation Date:	-
Contracting Agency ID:	2100	Contracting Agency:	DEPT OF THE ARMY
Contracting Office Name:	W6QK ACC-APG	PSC Type:	S
PSC:	AC61	PSC Description:	R&D- DEFENSE SYSTEM: ELECTRONICS/COMMUNICATION EQUIPMENT (BASIC RESEARCH)
NAICS:	541712	NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)
Entity City:	ROLLING MEADOWS	Entity State:	IL
Entity ZIP Code:	600081015	Additional Reporting Code:	_
Additional Reporting Description:	-	Unique Entity ID:	E4X3BLZPPPX3
Ultimate Parent Unique Entity ID:	NKVZLJL93QT6	Ultimate Parent Legal Business Name:	Northrop Grumman Corporation
Legal Business Name:	NORTHROP GRUMMAN SYSTEMS CORPORATION	CAGE Code:	26916
Contract ID:	0001	Reference IDV:	W56KGU17D0006
Modification Number:	3	Transaction Number:	1
Award/IDV Type:	DO Delivery Order	Action Obligation (\$):	\$0.00
Date Signed:	Mar 28, 2018	Solicitation Date:	-
Contracting Agency ID:	2100	Contracting Agency:	DEPT OF THE ARMY
Contracting Office Name:	W6QK ACC-APG	PSC Type:	S
PSC:	AC61	PSC Description:	R&D- DEFENSE SYSTEM: ELECTRONICS/COMMUNICATION EQUIPMENT (BASIC RESEARCH)
			RESEARCH AND DEVELOPMENT
NAICS:	541712	NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)
NAICS: Entity City:	541712 ROLLING MEADOWS	NAICS Description: Entity State:	IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT
		-	IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY) IL
Entity City:	ROLLING MEADOWS	Entity State:	IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY) IL
Entity City: Entity ZIP Code: Additional Reporting	ROLLING MEADOWS	Entity State: Additional Reporting Code:	IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY) IL -

Contract ID:	0001	Reference IDV:	W56KGU17D0006
Modification Number:	7	Transaction Number:	1
Award/IDV Type:	DO Delivery Order	Action Obligation (\$):	\$0.00
Date Signed:	Jun 14, 2018	Solicitation Date:	-
Contracting Agency ID:	2100	Contracting Agency:	DEPT OF THE ARMY
Contracting Office Name:	W6QK ACC-APG	PSC Type:	S
PSC:	AC61	PSC Description:	R&D- DEFENSE SYSTEM: ELECTRONICS/COMMUNICATION EQUIPMENT (BASIC RESEARCH)
NAICS:	541712	NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)
Entity City:	ROLLING MEADOWS	Entity State:	IL
Entity ZIP Code:	600081015	Additional Reporting Code:	-
Additional Reporting Description:	-	Unique Entity ID:	E4X3BLZPPPX3
Ultimate Parent Unique Entity ID:	NKVZLJL93QT6	Ultimate Parent Legal Business Name:	Northrop Grumman Corporation
Legal Business Name:	NORTHROP GRUMMAN SYSTEMS CORPORATION	CAGE Code:	26916
Contract ID:	0001	Reference IDV:	W56KGU17D0006
Modification Number:	8	Transaction Number:	1
Award/IDV Type:	DO Delivery Order	Action Obligation (\$):	\$0.00
Date Signed:	Jun 21, 2018	Solicitation Date:	-
Contracting Agency ID:	2100	Contracting Agency:	DEPT OF THE ARMY
Contracting Office Name:	W6QK ACC-APG	PSC Type:	S
PSC:	AC61	PSC Description:	R&D- DEFENSE SYSTEM: ELECTRONICS/COMMUNICATION
NAICS:	541712	NAICS Description:	EQUIPMENT (BASIC RESEARCH) RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)
NAICS: Entity City:	541712 ROLLING MEADOWS	NAICS Description: Entity State:	EQUIPMENT (BASIC RESEARCH) RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT
			EQUIPMENT (BASIC RESEARCH) RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY) IL
Entity City:	ROLLING MEADOWS	Entity State:	EQUIPMENT (BASIC RESEARCH) RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY) IL
Entity City: Entity ZIP Code: Additional Reporting	ROLLING MEADOWS	Entity State: Additional Reporting Code:	EQUIPMENT (BASIC RESEARCH) RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY) IL -