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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Army										Date: February 2015		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army I BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0604280A I Joint Tactical Radio							
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	-	30.752	9.827	9.861	-	9.861	6.154	5.757	10.291	9.866	-	82.508
162: Network Enterprise Domain (NED)	-	6.500	-	-	-	-	-	-	-	-	-	6.500
DZ5: Handheld, Manpack and Small Form Fit (JTRS HMS)	-	24.252	9.827	9.861	-	9.861	6.154	5.757	10.291	9.866	-	76.008

Note

FY2016 funding increase from Previous President's Budget to Current President's Budget (see Program Change Summary) funds the Rifleman Radio Operational Test for the full and open competition contract in support of Full Rate Production.

A. Mission Description and Budget Item Justification

Handheld, Manpack, and Small Form Fit (HMS) is a materiel solution meeting the requirements for a Software Communications Architecture (SCA) compliant hardware system hosting SCA-compliant Government purpose rights software waveforms (applications). HMS is an Acquisition Category (ACAT) ID Program that encompasses specific requirements to support the US Army, US Air Force, US Navy, US Marine Corps and the Special Operations Command (SOCOM) communication needs.

HMS provides voice and data communications to the tactical edge/most disadvantaged Warfighter with an on the move, at the halt, and stationary Line of Sight (LOS)/Beyond Line of Sight (BLOS) capability for both dismounted personnel and platforms. HMS radios are software re-programmable, networkable multi-mode system (of systems) capable of simultaneous voice, data and video communications. The embedded Small Form Factor (SFF) versions of HMS may be used for Unmanned Vehicles and other platform applications.

HMS is structured as a single program of record. The program has completed the Engineering Manufacturing and Development Phase and received Milestone C approval on 17 June 2011 with Low Rate Initial Production configured radios.

HMS is currently executing an April 2014 approved acquisition strategy to procure modified non-developmental items (NDI) through full and open competition open to all potential industry partners. Phase 1 is to procure an NDI AN/PRC-154A Rifleman Radio (RR) for use in a classified environment. The RR ports the Soldier Radio Waveform (SRW)-Army managed waveform. Phase 2 is procuring an NDI AN/PRC-155 Manpack (MP) for use in a classified environment. Waveforms to be ported to HMS MP include: SRW, Single Channel Ground and Airborne Radio System (SINCGARS)-Army managed waveform, Satellite Communications (SATCOM)-Army managed waveform, and Mobile-User Objective System (MUOS)-Navy managed waveform.

The Army will award Multiple Firm Fixed-Price (FFP) IDIQ Contracts through a multiple step selection process:

- Award FFP Contracts and initial delivery orders to all qualified vendors based on technical acceptability and demonstrations (4QFY15 for RR and 1QFY16 for MP).
- Award second delivery orders based on qualification test results (2QFY16 for RR and 3QFY16 for MP)
- Award FRP delivery orders based on operational assessments and best value trade off construct (2QFY17 for RR and 4QFY17 for MP).

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Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)		R-1 Program Element (Number/Name) PE 0604280A / Joint Tactical Radio				
Following full and open competition, qualified NDI RR and MP Radios will require operationally-relevant testing to inform a Full Rate Production decision and to support fielding to Capability Set units.						
The FY 2016 budget will provide funding that is necessary to execute the required full and open competition contract strategy for the RR and MP products. Specifically, the funding is needed to conduct Operational Testing for the RR candidate products to demonstrate compliance with program requirements; assess effectiveness, suitability, and survivability; and to obtain material release for FRP. The funding will also support safety, spectrum supportability, and other certifications necessary to prepare the products for fielding.						
B. Program Change Summary (\$ in Millions)		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget		31.809	9.832	4.546	-	4.546
Current President's Budget		30.752	9.827	9.861	-	9.861
Total Adjustments		-1.057	-0.005	5.315	-	5.315
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-			
• Congressional Rescissions		-	-			
• Congressional Adds		-	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-1.057	-			
• Adjustments to Budget Years		-	-0.005	5.315	-	5.315

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Army									Date: February 2015			
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0604280A / Joint Tactical Radio				Project (Number/Name) 162 / Network Enterprise Domain (NED)			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
162: Network Enterprise Domain (NED)	-	6.500	-	-	-	-	-	-	-	-	-	6.500
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note												
FY 2014 HMS funding was split between projects DZ5 (Handheld, Manpack and Small Form Fit (JTRS HMS)) and 162 (Network Enterprise Domain (NED)) under PE 0604280A; In FY 2015 and out, HMS is funded in project DZ5 only. A detailed description of mission and budget item justification, other program funding, and acquisition strategy for the rest of the HMS RDTE program funding is found under Project DZ5.												
A. Mission Description and Budget Item Justification												
Handheld, Manpack, and Small Form Fit (HMS) is a materiel solution meeting the requirements for a Software Communications Architecture (SCA) compliant hardware system hosting SCA-compliant Government purpose rights software waveforms (applications). HMS is an Acquisition Category (ACAT) ID Program that encompasses specific requirements to support the US Army, US Air Force, US Navy, US Marine Corps and the Special Operations Command (SOCOM) communication needs. HMS provides voice and data communications to the tactical edge/most disadvantaged Warfighter with an on the move, at the halt, and stationary Line of Sight (LOS)/ Beyond Line of Sight (BLOS) capability for both dismounted personnel and platforms. HMS radios are software re-programmable, networkable multi-mode system (of systems) capable of simultaneous voice, data and video communications. The embedded Small Form Factor (SFF) versions of HMS may be used for Unmanned Vehicles and other platform applications.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2014	FY 2015	FY 2016	
Title: JTRS Network Enterprise Domain									6.500	-	-	
Description: Handheld, Manpack, and Small Form Fit (HMS) is a materiel solution meeting the requirements for a Software Communications Architecture (SCA) compliant hardware system hosting SCA-compliant Government purpose rights software waveforms (applications). HMS is an Acquisition Category (ACAT) ID Program that encompasses specific requirements to support the US Army, US Air Force, US Navy, US Marine Corps and the Special Operations Command (SOCOM) communication needs. HMS provides voice and data communications to the tactical edge/most disadvantaged Warfighter with an on the move, at the halt, and stationary Line of Sight (LOS)/ Beyond Line of Sight (BLOS) capability for both dismounted personnel and platforms. HMS radios are software re-programmable, networkable multi-mode system (of systems) capable of simultaneous voice, data and video communications. The embedded Small Form Factor (SFF) versions of HMS may be used for Unmanned Vehicles and other platform applications.												
FY 2014 Accomplishments:												

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Appropriation/Budget Activity 2040 / 5				R-1 Program Element (Number/Name) PE 0604280A / <i>Joint Tactical Radio</i>				Project (Number/Name) 162 / <i>Network Enterprise Domain (NED)</i>				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2014	FY 2015	FY 2016
Complete Manpack Radio Government Developmental Test (GDT) and development efforts; Receive Information Assurance certification for Manpack Radios with Mobile User Objective System (MUOS) capability; Complete Rifleman Radio Operational Test; Complete Manpack Radio Follow-on Operational Test & Evaluation (FOT&E); and provide technical and engineering support for development efforts including preparing for Full Rate Production (FRP) for the Manpack and Rifleman Radio.												
Accomplishments/Planned Programs Subtotals										6.500	-	-
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost	
• RDTE: 0604280A/DZ5: <i>Handheld, Manpack and Small Form Fit (JTRS HMS)</i>	24.252	9.827	9.861	-	9.861	6.154	5.757	10.291	9.866	-	76.008	
• OPA: B90210: <i>JTRS Cluster 5 (Handheld)</i>	34.200	14.200	34.910	-	34.910	45.268	51.646	52.469	59.932	-	292.625	
• OPA: B90215: <i>JTRS (Manpack)</i>	212.800	26.511	29.730	-	29.730	245.626	417.617	417.895	420.289	-	1,770.468	
Remarks												
HMS RDTE funding for FY 2013 and prior can be found under Program Element (PE) 0604280N, Budget Submission BA5 aligned under the Navy Joint Tactical Radio System (JTRS) Programs. HMS procurement funding can be found under Standard Study Number (SSN) B90210 JTRS Cluster 5 (Handheld) and SSN B90215 JTRS (Manpack).												
President's Budget (PB) FY 2013 included the following programs' funding in Budget Item 162: Network Enterprise Domain (NED), Handheld Manpack Small Form Fit (HMS), Airborne Maritime Fixed (AMF), and Multifunctional Information Distribution System (MIDS). All programs associated with this line with the exception of JTRS HMS have been moved to their own PE lines. JTRS HMS is currently funded in PE 0604280A.												
D. Acquisition Strategy												
HMS is currently executing an April 2014 approved acquisition strategy to procure modified non-developmental items (NDI) through full and open competition open to all potential industry partners. The first phase is to procure an NDI AN/PRC-154A Rifleman Radio for use in a classified environment. The Rifleman Radio ports the Soldier Radio Waveform (SRW)-Army managed waveform. The second phase is procuring an NDI AN/PRC-155 Manpack for use in a classified environment. Waveforms to be ported to HMS Manpack include: SRW, Single Channel Ground and Airborne Radio System (SINCGARS)-Army managed waveform, Satellite Communications (SATCOM)-Army managed waveform, and Mobile-User Objective System (MUOS)-Navy managed waveform.												
E. Performance Metrics												
N/A												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Army												Date: February 2015			
Appropriation/Budget Activity 2040 / 5						R-1 Program Element (Number/Name) PE 0604280A / Joint Tactical Radio						Project (Number/Name) 162 / Network Enterprise Domain (NED)			
Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Management Office Support	Various	PEO C3T & CECOM: : APG, MD	0.000	0.638		-		-		-		-	-	0.638	0.638
Subtotal			0.000	0.638		-		-		-		-	-	0.638	0.638
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
HMS JTRS System, Design & Development	C/CPAF	General Dynamics C4 Systems: : Scottsdale, AZ	0.000	0.845		-		-		-		-	-	0.845	0.845
Subtotal			0.000	0.845		-		-		-		-	-	0.845	0.845
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
HMS JTRS Engineering/ Technical Support	Various	PEO C3T, ARL, ESP, CECOM, CERDEC, LCMC, Various: : APG, MD; Various	0.000	1.408		-		-		-		-	-	1.408	1.408
Subtotal			0.000	1.408		-		-		-		-	-	1.408	1.408
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Follow On Delta Development & Testing	Various	EPG, AEC, MBL, ARLSLAD, CERDEC, OTC, JITC: : Ft. Benning,	0.000	3.609		-		-		-		-	-	3.609	3.609

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Appropriation/Budget Activity 2040 / 5						R-1 Program Element (Number/Name) PE 0604280A / <i>Joint Tactical Radio</i>				Project (Number/Name) 162 / <i>Network Enterprise Domain (NED)</i>					
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
		GA; APG, MD; Various													
Subtotal			0.000	3.609		-		-		-		-	-	3.609	3.609
			Prior Years	FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	6.500		-		-		-		-	-	6.500	6.500
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Army

Date: February 2015

Appropriation/Budget Activity

2040 / 5

R-1 Program Element (Number/Name)

PE 0604280A / Joint Tactical Radio

Project (Number/Name)

162 / Network Enterprise Domain (NED)

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Army			Date: February 2015
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604280A / <i>Joint Tactical Radio</i>	Project (Number/Name) 162 / <i>Network Enterprise Domain (NED)</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Manpack Government Developmental Test 4 (POR LRIP)	2	2014	2	2014
Manpack Operational Test (POR LRIP)	2	2014	3	2014
Rifleman Radio Operational Test (POR LRIP)	4	2014	4	2014

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Army										Date: February 2015		
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0604280A / Joint Tactical Radio				Project (Number/Name) DZ5 / Handheld, Manpack and Small Form Fit (JTRS HMS)			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
DZ5: Handheld, Manpack and Small Form Fit (JTRS HMS)	-	24.252	9.827	9.861	-	9.861	6.154	5.757	10.291	9.866	-	76.008
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

FY 2014 HMS funding was split between projects DZ5 (Handheld, Manpack and Small Form Fit (JTRS HMS)) and 162 (Network Enterprise Domain (NED)) under PE 0604280A; In FY 2015 and out, HMS is funded in project DZ5 only.

A. Mission Description and Budget Item Justification

Handheld, Manpack, and Small Form Fit (HMS) is a materiel solution meeting the requirements for a Software Communications Architecture (SCA) compliant hardware system hosting SCA-compliant Government purpose rights software waveforms (applications). HMS is an Acquisition Category (ACAT) ID Program that encompasses specific requirements to support the US Army, US Air Force, US Navy, US Marine Corps and the Special Operations Command (SOCOM) communication needs.

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HMS is structured as a single program of record. The program has completed the Engineering Manufacturing and Development Phase and received Milestone C approval on 17 June 2011 with Low Rate Initial Production configured radios.

HMS is currently executing an April 2014 approved acquisition strategy to procure modified non-developmental items (NDI) through full and open competition open to all potential industry partners. Phase 1 is to procure an NDI AN/PRC-154A Rifleman Radio (RR) for use in a classified environment. The RR ports the Soldier Radio Waveform (SRW)-Army managed waveform. Phase 2 is procuring an NDI AN/PRC-155 Manpack (MP) for use in a classified environment. Waveforms to be ported to HMS MP include: SRW, Single Channel Ground and Airborne Radio System (SINCGARS)-Army managed waveform, Satellite Communications (SATCOM)-Army managed waveform, and Mobile-User Objective System (MUOS)-Navy managed waveform.

The Army will award Multiple Firm Fixed-Price (FFP) IDIQ Contracts through a multiple step selection process:

- Award FFP Contracts and initial delivery orders to all qualified vendors based on technical acceptability and demonstrations (4QFY15 for RR and 1QFY16 for MP).
- Award second delivery orders based on qualification test results (2QFY16 for RR and 3QFY16 for MP)
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Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604280A / Joint Tactical Radio	Project (Number/Name) DZ5 / Handheld, Manpack and Small Form Fit (JTRS HMS)		
Following full and open competition, qualified NDI RR and MP Radios will require operationally-relevant testing to inform a Full Rate Production decision and to support fielding to Capability Set units.				
The FY 2016 budget will provide funding that is necessary to execute the required full and open competition contract strategy for the RR and MP products. Specifically, the funding is needed to conduct Operational Testing for the RR candidate products to demonstrate compliance with program requirements; assess effectiveness, suitability, and survivability; and to obtain material release for FRP. The funding will also support safety, spectrum supportability, and other certifications necessary to prepare the products for fielding.				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2014	FY 2015	FY 2016
Title: HMS JTRS		24.252	9.827	9.861
Description: Handheld, Manpack, and Small Form Fit (HMS) is a materiel solution meeting the requirements for a Software Communications Architecture (SCA) compliant hardware system hosting SCA-compliant Government purpose rights software waveforms (applications). HMS is an Acquisition Category (ACAT) ID Program that encompasses specific requirements to support the US Army, US Air Force, US Navy, US Marine Corps and the Special Operations Command (SOCOM) communication needs.				
HMS provides voice and data communications to the tactical edge/most disadvantaged Warfighter with an on the move, at the halt, and stationary Line of Sight (LOS)/ Beyond Line of Sight (BLOS) capability for both dismounted personnel and platforms. HMS radios are software re-programmable, networkable multi-mode system (of systems) capable of simultaneous voice, data and video communications. The embedded Small Form Factor (SFF) versions of HMS may be used for Unmanned Vehicles and other platform applications.				
HMS is structured as a single program of record. The program has completed the Engineering Manufacturing and Development Phase and received Milestone C approval on 17 June 2011 with Low Rate Initial Production configured radios.				
HMS is currently executing an April 2014 approved acquisition strategy to procure modified non-developmental items (NDI) through full and open competition open to all potential industry partners. Phase 1 is to procure an NDI AN/PRC-154A Rifleman Radio (RR) for use in a classified environment. The RR ports the Soldier Radio Waveform (SRW)-Army managed waveform. Phase 2 is procuring an NDI AN/PRC-155 Manpack (MP) for use in a classified environment. Waveforms to be ported to HMS MP include: SRW, Single Channel Ground and Airborne Radio System (SINCGARS)-Army managed waveform, Satellite Communications (SATCOM)-Army managed waveform, and Mobile-User Objective System (MUOS)-Navy managed waveform.				
The Army will award Multiple Firm Fixed-Price (FFP) IDIQ Contracts through a multiple step selection process:				
a. Award FFP Contracts and initial delivery orders to all qualified vendors based on technical acceptability and demonstrations (4QFY15 for RR and 1QFY16 for MP).				
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Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604280A / <i>Joint Tactical Radio</i>	Project (Number/Name) DZ5 / <i>Handheld, Manpack and Small Form Fit (JTRS HMS)</i>	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2014	FY 2015	FY 2016
c. Award FRP delivery orders based on operational assessments and best value trade off construct (2QFY17 for RR and 4QFY17 for MP).			
Following full and open competition, qualified NDI RR and MP Radios will require operationally-relevant testing to inform a Full Rate Production decision and to support fielding to Capability Set units.			
<i>FY 2014 Accomplishments:</i> Complete Manpack Radio Government Developmental Test (GDT) and development efforts; Receive Information Assurance certification for Manpack Radios with Mobile User Objective System (MUOS) capability; Complete Rifleman Radio Operational Test; Complete Manpack Radio Follow-on Operational Test & Evaluation (FOT&E); and provide technical and engineering support for development efforts including preparing for Full Rate Production (FRP) for the Manpack and Rifleman Radio.			
<i>FY 2015 Plans:</i> The FY 2015 budget will provide funding that is necessary to execute the required full and open competition contract strategy for the Rifleman and Manpack products. Specifically, the funding is needed to conduct Qualification Tests for both radios. Additionally, the funding will be utilized to complete the MUOS development effort.			
<i>FY 2016 Plans:</i> The FY 2016 budget will provide funding that is necessary to execute the required full and open competition contract strategy for the Rifleman and Manpack products. Specifically, the funding is needed to conduct Operational Testing for the Rifleman Radio candidate products to demonstrate compliance with program requirements; assess effectiveness, suitability, and survivability; and to obtain material release for FRP. The funding will also support safety, spectrum supportability, and other certifications necessary to prepare the products for fielding.			
Accomplishments/Planned Programs Subtotals	24.252	9.827	9.861

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
• 0604280A/162: <i>Network Enterprise Domain (NED)</i>	24.252	-	-	-	-	-	-	-	-	-	24.252
• OPA: B90210: <i>JTRS Cluster 5 (Handheld)</i>	34.200	14.200	34.910	-	34.910	45.268	51.646	52.469	59.932	-	292.625
• OPA: B90215: <i>JTRS (Manpack)</i>	212.800	26.511	29.730	-	29.730	245.626	417.617	417.895	420.289	-	1,770.468

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C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u> <u>Base</u>	<u>FY 2016</u> <u>OCO</u>	<u>FY 2016</u> <u>Total</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
Remarks											
HMS procurement funding can be found under Standard Study Number (SSN) B90210 JTRS Cluster 5 (Handheld) and SSN B90215 JTRS (Manpack).											
D. Acquisition Strategy											
HMS is currently executing an April 2014 approved acquisition strategy to procure modified non-developmental items (NDI) through full and open competition open to all potential industry partners. The first phase is to procure an NDI AN/PRC-154A Rifleman Radio for use in a classified environment. The Rifleman Radio ports the Soldier Radio Waveform (SRW)-Army managed waveform. The second phase is procuring an NDI AN/PRC-155 Manpack for use in a classified environment. Waveforms to be ported to HMS Manpack include: SRW, Single Channel Ground and Airborne Radio System (SINCGARS)-Army managed waveform, Satellite Communications (SATCOM)-Army managed waveform, and Mobile-User Objective System (MUOS)-Navy managed waveform.											
E. Performance Metrics											
N/A											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Army												Date: February 2015			
Appropriation/Budget Activity 2040 / 5						R-1 Program Element (Number/Name) PE 0604280A / Joint Tactical Radio				Project (Number/Name) DZ5 / Handheld, Manpack and Small Form Fit (JTRS HMS)					
Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Management Office Support	Various	PEO C3T & CECOM: : APG, MD	0.000	0.280		0.270		0.270		-		0.270	-	0.820	0.820
Subtotal			0.000	0.280		0.270		0.270		-		0.270	-	0.820	0.820
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
HMS JTRS System, Design & Development	C/CPAF	General Dynamics D4 Systems: : Scottsdale, AZ	0.000	21.720		-		-		-		-	-	21.720	21.720
Subtotal			0.000	21.720		-		-		-		-	-	21.720	21.720
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
HMS JTRS Engineering/ Technical Support	Various	PEO C3T, ARL, ESP, CECOM, CERDEC, LCMC, Various: : APG, MD; Various	0.000	0.300		0.650		0.655		-		0.655	-	1.605	1.605
Subtotal			0.000	0.300		0.650		0.655		-		0.655	-	1.605	1.605
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Follow on Delta Development & Testing	Various	EPG, AEC, MBL, ARLSLAD, CERDEC, OTC, JITC, Various: : Ft	0.000	1.952		8.907		8.936		-		8.936	-	19.795	19.795

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Army												Date: February 2015			
Appropriation/Budget Activity 2040 / 5						R-1 Program Element (Number/Name) PE 0604280A / <i>Joint Tactical Radio</i>				Project (Number/Name) DZ5 / <i>Handheld, Manpack and Small Form Fit (JTRS HMS)</i>					

Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
		Huachuca, AZ; Ft Benning, GA; APG, MD; Various													
Subtotal			0.000	1.952		8.907		8.936		-		8.936	-	19.795	19.795

	Prior Years	FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	24.252		9.827		9.861		-		9.861	-	43.940	43.940

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Army																Date: February 2015																																					
Appropriation/Budget Activity										R-1 Program Element (Number/Name)								Project (Number/Name)																																			
2040 / 5										PE 0604280A / Joint Tactical Radio								DZ5 / Handheld, Manpack and Small Form Fit (JTRS HMS)																																			
Event Name										FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020																			
										1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4																
Manpack Government Developmental Test 4 (POR LRIP)										MP C																																											
Manpack Operational Test (POR LRIP)										MP OT																																											
Rifleman Radio Qualification Test (FOC)														RR OT																																							
MUOS MOTE														MUOS MOTE																																							
Manpack Qualification Test (FOC)																		MP QT																																			
Rifleman Radio Operational Test (FRP)																		RR OT																																			
Manpack Operational Test (FRP)																						MP OT																															
RR Performance Verification Test-2018																										RR PVT 18																											
MP Performance Verification Test-2018																														MP PVT 18																							
RR Performance Verification Test-2019																																		RR PVT 19																			
MP Performance Verification Test-2019																																						MP PVT 19															
RR Performance Verification Test-2020																																										RR PVT 20											
MP Performance Verification Test-2020																																														MP PVT							

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Army		Date: February 2015
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604280A / <i>Joint Tactical Radio</i>	Project (Number/Name) DZ5 / <i>Handheld, Manpack and Small Form Fit (JTRS HMS)</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Manpack Government Developmental Test 4 (POR LRIP)	2	2014	2	2014
Manpack Operational Test (POR LRIP)	2	2014	3	2014
Rifleman Radio Qualification Test (FOC)	4	2015	1	2016
MUOS MOTE	1	2016	1	2016
Manpack Qualification Test (FOC)	2	2016	3	2016
Rifleman Radio Operational Test (FRP)	3	2016	3	2016
Manpack Operational Test (FRP)	1	2017	1	2017
RR Performance Verification Test-2018	1	2018	2	2018
MP Performance Verification Test-2018	4	2018	4	2018
RR Performance Verification Test-2019	1	2019	2	2019
MP Performance Verification Test-2019	4	2019	4	2019
RR Performance Verification Test-2020	1	2020	2	2020
MP Performance Verification Test-2020	4	2020	4	2020