

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

DATE

February 2003

BUDGET ACTIVITY

PE NUMBER AND TITLE

PROJECT

05 - System Development and Demonstration (SDD)

0604750F Intelligence Equipment

2053

COST (\$ in Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
2053 National Air Intel Center	1,735	1,290	1,320	1,353	1,366	1,390	1,410	1,429	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0

(U) **A. Mission Description**

Intelligence Equipment (IE) Program performs the engineering development of software, and/or automated information operations (IO) techniques to streamline the processing, integration, exploitation, display, and dissemination of strategic and tactical threat assessment intelligence information from the National Air Intelligence Center (NAIC), Wright-Patterson AFB, OH and the Air Force Information Warfare Center (AFIWC), San Antonio, TX. (IE provides continuing development and upgrades of threat analysis capabilities to produce integrated, predictive air and space intelligence to enable military operations, force modernization, and policy making. IE accelerates threat estimates and system descriptions to deployed operational forces (via Reachback). IE also provides clients with accurate, predictive, relevant, and timely intelligence that will support client processes, operational planning, and mission execution.) Both the NAIC and AFIWC organizations are tasked with providing detailed foreign technology intelligence information to a variety of DOD and non-DOD customers. In the past few years, customers' requirements have been more sophisticated, dictating more detailed and timely intelligence not only in the technology regime but also in the economic, world crisis, and political arenas. IE provides NAIC and AFIWC with the tools necessary to produce timely intelligence of foreign weapon systems and develops the tools to model and assess foreign air and space systems. This is the only AF program developing new, or upgraded analysis, modeling and simulation tools focused on intelligence production in support of AF operational and developmental functions. IE directs the engineering and development of specialized software to conduct Information Operations (IO) with systems which process, integrate, display, and distribute intelligence data/ information for HQ ACC, the Air Intelligence Agency (AIA) -- primarily their NAIC and AFIWC subordinates.

(U) **FY 2002 (\$ in Thousands)**

- (U) \$0 Accomplishment/Planned Program
- (U) \$491 Completed Radio Frequency Weapon Threat Assessment (RFWA Program) (Congressional Plus-up)
- (U) \$127 Continued High Speed Engine Propulsion Modeling Tools (Phase 1: Pulsed Detonation Engine Model)
- (U) \$229 Initiated High Speed Engine Propulsion Modeling Tools (Phase 2: Air Turbo-Rocket Engine Model)
- (U) \$129 Initiated High Speed Engine Propulsion Modeling Tools (Phase 3: Turbo-Ramjet Engine Model)
- (U) \$219 Completed Missile System (Phase 1: DIODE Objectives Model [DOM])
- (U) \$103 Continued Standard Visualization Solution (SVS) - IVIEW 2000 Upgrade/JView
- (U) \$204 Initiated Missile System Upgrades (Phase 3: CRMPS [Computer Requirements Model for Payload Study])

Project 2053

Page 1 of 8 Pages

Exhibit R-2 (PE 0604750F)

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)		DATE February 2003
BUDGET ACTIVITY 05 - System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604750F Intelligence Equipment	PROJECT 2053
<p>(U) <u>A. Mission Description Continued</u></p> <p>(U) <u>FY 2002 (\$ in Thousands) Continued</u></p> <p>(U) \$209 Initiated Missile System Upgrades (Phase 4: BRACE [Ballistic Reentry Vehicle Accuracy Estimate])</p> <p>(U) \$24 Initiated Advanced Analysis Capabilities (AAC) - Integrated Avionics Support (IAS)</p> <p>(U) \$1,735 Total</p> <p>(U) <u>FY 2003 (\$ in Thousands)</u></p> <p>(U) \$0 Accomplishment/Planned Program</p> <p>(U) \$93 Continue High Speed Engine Propulsion Tools (Phase 1: Pulsed-Detonation Engine Model)</p> <p>(U) \$215 Continue High Speed Engine Propulsion Tools (Phase 2: Air-Turbo-Rocket Engine Model)</p> <p>(U) \$93 Continue High Speed Engine Propulsion Tools (Phase 3: Turbo-Ramjet Engine Model)</p> <p>(U) \$135 Initiate High Speed Engine Propulsion Tools (Phase 4: SCRAM Jet Engine Model)</p> <p>(U) \$132 Continue Standard Visualization Solution (SVS) - IVIEW 2000 Upgrade/JView</p> <p>(U) \$245 Continue Missile System Upgrades (Phase 3: CRMPS [Computer Requirements Model for Payload Study])</p> <p>(U) \$213 Continue Missile System Upgrades (Phase 4: BRACE [Ballistic Reentry Vehicle Accuracy Estimate])</p> <p>(U) \$135 Continue Advanced Analysis Capabilities (AAC) -- Integrated Avionics Support (IAS)</p> <p>(U) \$29 Initiate Laser Weapons (LODUR) Threat Assessment Tool</p> <p>(U) \$1,290 Total</p> <p>(U) <u>FY 2004 (\$ in Thousands)</u></p> <p>(U) \$0 Accomplishment/Planned Program</p> <p>(U) \$48 Complete High Speed Engine Propulsion Tools (Phase 1: Pulsed-Detonation Engine Model)</p> <p>(U) \$46 Continue High Speed Engine Propulsion Tools (Phase 2: Air-Turbo-Rocket Engine Model)</p> <p>(U) \$98 Continue High Speed Engine Propulsion Tools (Phase 3: Turbo-Ramjet Engine Model)</p> <p>(U) \$98 Continue High Speed Engine Propulsion Tools (Phase 4: SCRAM Jet Engine Model)</p> <p>(U) \$98 Continue Standard Visualization Solution (SVS) - IVIEW 2000 Upgrade/JView</p> <p>(U) \$172 Continue Missile System Upgrades (Phase 3: CRMPS [Computer Requirements Model for Payload Study])</p> <p>(U) \$172 Continue Missile System Upgrades (Phase 4: BRACE [Ballistic Reentry Vehicle Accuracy Estimate])</p> <p>(U) \$197 Continue Advanced Analysis Capabilities (AAC) -- Integrated Avionics Support (IAS)</p> <p>(U) \$148 Continue Laser Weapons (LODUR) Threat Assessment Tool</p> <p>(U) \$98 Initiate Analysis & Exploitation of Underground Facilities/Hardened, Deeply-Buried Targets (UGF/HDBT) Using Hyperspectral & MASINT</p>		
Project 2053	Page 2 of 8 Pages	Exhibit R-2 (PE 0604750F)

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)						DATE February 2003																																																																																									
BUDGET ACTIVITY 05 - System Development and Demonstration (SDD)				PE NUMBER AND TITLE 0604750F Intelligence Equipment		PROJECT 2053																																																																																									
<p>(U) <u>A. Mission Description Continued</u></p> <p>(U) <u>FY 2004 (\$ in Thousands) Continued</u></p> <div style="margin-left: 40px;">Tools</div> <p>(U) \$98 Initiate Terrain Map Comparison (UGF/HDBT) Tools</p> <p>(U) \$47 Upgrade existing Tel-Scope Tool with Enhanced Operational Capability (EOC)</p> <p>(U) \$1,320 Total</p> <p>(U) <u>B. Budget Activity Justification</u></p> <p style="margin-left: 40px;">This effort is Budget Activity 5, System Demonstration and Engineering Development (SD&ED), because the program develops and inserts new technology into existing systems and models to keep existing systems current.</p> <p>(U) <u>C. Program Change Summary (\$ in Thousands)</u></p> <table style="width: 100%; margin-left: 40px;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>FY 2002</u></th> <th style="text-align: center;"><u>FY 2003</u></th> <th style="text-align: center;"><u>FY 2004</u></th> <th style="text-align: center;"><u>Total Cost</u></th> </tr> </thead> <tbody> <tr> <td>(U) Previous President's Budget</td> <td style="text-align: center;">1,806</td> <td style="text-align: center;">1,326</td> <td style="text-align: center;">1,349</td> <td style="text-align: center;">TBD</td> </tr> <tr> <td>(U) Appropriated Value</td> <td style="text-align: center;">1,823</td> <td style="text-align: center;">1,326</td> <td></td> <td></td> </tr> <tr> <td>(U) Adjustments to Appropriated Value</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="margin-left: 20px;">a. Congressional/General Reductions</td> <td style="text-align: center;">-17</td> <td style="text-align: center;">-9</td> <td></td> <td></td> </tr> <tr> <td style="margin-left: 20px;">b. Small Business Innovative Research</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="margin-left: 20px;">c. Omnibus or Other Above Threshold Reprogram</td> <td></td> <td style="text-align: center;">-13</td> <td></td> <td></td> </tr> <tr> <td style="margin-left: 20px;">d. Below Threshold Reprogram</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="margin-left: 20px;">e. Rescissions</td> <td style="text-align: center;">-9</td> <td style="text-align: center;">-14</td> <td></td> <td></td> </tr> <tr> <td>(U) Adjustments to Budget Years Since FY 2003 PBR</td> <td style="text-align: center;">-62</td> <td></td> <td style="text-align: center;">-29</td> <td></td> </tr> <tr> <td>(U) Current Budget Submit/FY 2004 PBR</td> <td style="text-align: center;">1,735</td> <td style="text-align: center;">1,290</td> <td style="text-align: center;">1,320</td> <td style="text-align: center;">TBD</td> </tr> </tbody> </table> <p>(U) <u>Significant Program Changes:</u></p> <p style="margin-left: 40px;">Funding: Congressional \$.5M add in FY02 for Radio Frequency Weapon Threat Assessment (RFWA Program).</p> <p>(U) <u>D. Other Program Funding Summary (\$ in Thousands)</u></p> <table style="width: 100%; margin-left: 40px;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>FY 2002</u></th> <th style="text-align: center;"><u>FY 2003</u></th> <th style="text-align: center;"><u>FY 2004</u></th> <th style="text-align: center;"><u>FY 2005</u></th> <th style="text-align: center;"><u>FY 2006</u></th> <th style="text-align: center;"><u>FY 2007</u></th> <th style="text-align: center;"><u>FY 2008</u></th> <th style="text-align: center;"><u>FY 2009</u></th> <th style="text-align: center;"><u>Cost to</u></th> <th style="text-align: center;"><u>Total Cost</u></th> </tr> <tr> <th></th> <th style="text-align: center;"><u>Actual</u></th> <th style="text-align: center;"><u>Estimate</u></th> <th style="text-align: center;"><u>Estimate</u></th> <th style="text-align: center;"><u>Estimate</u></th> <th style="text-align: center;"><u>Estimate</u></th> <th style="text-align: center;"><u>Estimate</u></th> <th style="text-align: center;"><u>Estimate</u></th> <th style="text-align: center;"><u>Estimate</u></th> <th style="text-align: center;"><u>Complete</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>(U) Not Applicable</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>									<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>Total Cost</u>	(U) Previous President's Budget	1,806	1,326	1,349	TBD	(U) Appropriated Value	1,823	1,326			(U) Adjustments to Appropriated Value					a. Congressional/General Reductions	-17	-9			b. Small Business Innovative Research					c. Omnibus or Other Above Threshold Reprogram		-13			d. Below Threshold Reprogram					e. Rescissions	-9	-14			(U) Adjustments to Budget Years Since FY 2003 PBR	-62		-29		(U) Current Budget Submit/FY 2004 PBR	1,735	1,290	1,320	TBD		<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>Cost to</u>	<u>Total Cost</u>		<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>		(U) Not Applicable										
	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>Total Cost</u>																																																																																											
(U) Previous President's Budget	1,806	1,326	1,349	TBD																																																																																											
(U) Appropriated Value	1,823	1,326																																																																																													
(U) Adjustments to Appropriated Value																																																																																															
a. Congressional/General Reductions	-17	-9																																																																																													
b. Small Business Innovative Research																																																																																															
c. Omnibus or Other Above Threshold Reprogram		-13																																																																																													
d. Below Threshold Reprogram																																																																																															
e. Rescissions	-9	-14																																																																																													
(U) Adjustments to Budget Years Since FY 2003 PBR	-62		-29																																																																																												
(U) Current Budget Submit/FY 2004 PBR	1,735	1,290	1,320	TBD																																																																																											
	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>Cost to</u>	<u>Total Cost</u>																																																																																					
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>																																																																																						
(U) Not Applicable																																																																																															
Project 2053				Page 3 of 8 Pages		Exhibit R-2 (PE 0604750F)																																																																																									

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)										DATE February 2003																																																																																																																																																																																																																	
BUDGET ACTIVITY 05 - System Development and Demonstration (SDD)					PE NUMBER AND TITLE 0604750F Intelligence Equipment					PROJECT 2053																																																																																																																																																																																																																	
<p>(U) <u>E. Acquisition Strategy</u> All major contracts within this Program Element were awarded after full and open competition.</p> <p>(U) <u>F. Schedule Profile</u></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th colspan="4" style="text-align: center; border-bottom: 1px solid black;">FY 2002</th> <th colspan="4" style="text-align: center; border-bottom: 1px solid black;">FY 2003</th> <th colspan="4" style="text-align: center; border-bottom: 1px solid black;">FY 2004</th> </tr> <tr> <th></th> <th style="text-align: center;">1</th> <th style="text-align: center;">2</th> <th style="text-align: center;">3</th> <th style="text-align: center;">4</th> <th style="text-align: center;">1</th> <th style="text-align: center;">2</th> <th style="text-align: center;">3</th> <th style="text-align: center;">4</th> <th style="text-align: center;">1</th> <th style="text-align: center;">2</th> <th style="text-align: center;">3</th> <th style="text-align: center;">4</th> </tr> </thead> <tbody> <tr> <td>(U) Complete HiSpeed Propulsion(HSP)/Pulsed Detonated Engine Model (Ph 1)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">X</td> </tr> <tr> <td>(U) Initiated/Continue HSP/Air-Turbo Rocket Engine Model (Ph 2)</td> <td></td> <td style="text-align: center;">*</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) Initiated/Continue HSP/ Turbo-Ramjet Engine Model (Ph 3)</td> <td></td> <td></td> <td style="text-align: center;">*</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) Initiate/Continue HSP/Scramjet Engine Model (Ph 4)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">X</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) Continue IVIEW 2000 Upgrade/JView Std Visualization Solution (SVS)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) Initiated/Continue Adv. Anal. Capabilities (AAC)-Integ. Avionics Supt</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) Completed RF Weapon Threat Assessment (RFWA) (Cong. Add FY02)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) Completed Missile System (Phase 1: DIODE Objectives Model [DOM])</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) Continue Missile System /Phase 3: CRMPS</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) Continue Missile System/Phase 4: BRACE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) Initiate/Continue Laser Weapons (LODUR) Threat Assessment Tool</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">X</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) Initiate anal. & exploit. of UGF/ HDBT w Hyperspectral & MASINT Tools</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">X</td> </tr> <tr> <td>(U) Initiate Terrain Map Comparison (UGF/HDBT)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">X</td> </tr> <tr> <td>(U) Initiate Tel-Scope EOC</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">X</td> </tr> </tbody> </table> <p>Note: * denotes completed event, X denotes planned event.</p>													FY 2002				FY 2003				FY 2004					1	2	3	4	1	2	3	4	1	2	3	4	(U) Complete HiSpeed Propulsion(HSP)/Pulsed Detonated Engine Model (Ph 1)												X	(U) Initiated/Continue HSP/Air-Turbo Rocket Engine Model (Ph 2)		*											(U) Initiated/Continue HSP/ Turbo-Ramjet Engine Model (Ph 3)			*										(U) Initiate/Continue HSP/Scramjet Engine Model (Ph 4)								X					(U) Continue IVIEW 2000 Upgrade/JView Std Visualization Solution (SVS)													(U) Initiated/Continue Adv. Anal. Capabilities (AAC)-Integ. Avionics Supt													(U) Completed RF Weapon Threat Assessment (RFWA) (Cong. Add FY02)													(U) Completed Missile System (Phase 1: DIODE Objectives Model [DOM])													(U) Continue Missile System /Phase 3: CRMPS													(U) Continue Missile System/Phase 4: BRACE													(U) Initiate/Continue Laser Weapons (LODUR) Threat Assessment Tool								X					(U) Initiate anal. & exploit. of UGF/ HDBT w Hyperspectral & MASINT Tools												X	(U) Initiate Terrain Map Comparison (UGF/HDBT)												X	(U) Initiate Tel-Scope EOC												X
	FY 2002				FY 2003				FY 2004																																																																																																																																																																																																																		
	1	2	3	4	1	2	3	4	1	2	3	4																																																																																																																																																																																																															
(U) Complete HiSpeed Propulsion(HSP)/Pulsed Detonated Engine Model (Ph 1)												X																																																																																																																																																																																																															
(U) Initiated/Continue HSP/Air-Turbo Rocket Engine Model (Ph 2)		*																																																																																																																																																																																																																									
(U) Initiated/Continue HSP/ Turbo-Ramjet Engine Model (Ph 3)			*																																																																																																																																																																																																																								
(U) Initiate/Continue HSP/Scramjet Engine Model (Ph 4)								X																																																																																																																																																																																																																			
(U) Continue IVIEW 2000 Upgrade/JView Std Visualization Solution (SVS)																																																																																																																																																																																																																											
(U) Initiated/Continue Adv. Anal. Capabilities (AAC)-Integ. Avionics Supt																																																																																																																																																																																																																											
(U) Completed RF Weapon Threat Assessment (RFWA) (Cong. Add FY02)																																																																																																																																																																																																																											
(U) Completed Missile System (Phase 1: DIODE Objectives Model [DOM])																																																																																																																																																																																																																											
(U) Continue Missile System /Phase 3: CRMPS																																																																																																																																																																																																																											
(U) Continue Missile System/Phase 4: BRACE																																																																																																																																																																																																																											
(U) Initiate/Continue Laser Weapons (LODUR) Threat Assessment Tool								X																																																																																																																																																																																																																			
(U) Initiate anal. & exploit. of UGF/ HDBT w Hyperspectral & MASINT Tools												X																																																																																																																																																																																																															
(U) Initiate Terrain Map Comparison (UGF/HDBT)												X																																																																																																																																																																																																															
(U) Initiate Tel-Scope EOC												X																																																																																																																																																																																																															
<div style="display: flex; justify-content: space-between;"> Project 2053 Page 4 of 8 Pages Exhibit R-2 (PE 0604750F) </div>																																																																																																																																																																																																																											

UNCLASSIFIED

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)								DATE February 2003		
BUDGET ACTIVITY					PE NUMBER AND TITLE				PROJECT	
05 - System Development and Demonstration (SDD)					0604750F Intelligence Equipment				2053	
(U) <u>A. Project Cost Breakdown (\$ in Thousands)</u>										
					<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>	
(U) High Speed Propulsion / P1: Pulsed Detonation Engine Model					127		93		48	
(U) High Speed Propulsion / P2: Air Turbo Rocket Engine Model					229		215		46	
(U) High Speed Propulsion / P3: Turbo-Ramjet Engine Model					129		93		98	
(U) High Speed Propulsion / P4: SCRAM Jet Engine Model							135		98	
(U) Missile System / Phase 1: DIODE Objectives Model (DOM)					219					
(U) Missile System / Phase 3: CRMPS					204		245		172	
(U) Missile System/ Phase 4: BRACE					209		213		172	
(U) IVIEW 2000 Upgrade / JView - Standard Visualization Solution					103		132		98	
(U) Terrorist RF Weapon Threat Assessment					491					
(U) Adv Analysis Capability: Integrated Avionics Support Model					24		135		197	
(U) Laser Weapons (LODUR) Threat Assessment Tool							29		148	
(U) UGF/HDBT Analysis & Exploitation									98	
(U) Terrain Map Comparison (UGF/HDBT) Tools									98	
(U) Tel-Scope Enhanced Operational Capability (EOC)									47	
(U) Total					1,735		1,290		1,320	
(U) <u>B. Budget Acquisition History and Planning Information (\$ in Thousands)</u>										
(U) <u>Performing Organizations:</u>										
<u>Contractor or</u>		<u>Contract</u>								
<u>Government</u>		<u>Method/Type</u>		<u>Award or</u>		<u>Performing</u>		<u>Project</u>		
<u>Performing</u>		<u>or Funding</u>		<u>Obligation</u>		<u>Activity</u>		<u>Office</u>		<u>Total Prior</u>
<u>Activity</u>		<u>Vehicle</u>		<u>Date</u>		<u>EAC</u>		<u>EAC</u>		<u>to FY 2002</u>
<u>Budget</u>		<u>Budget</u>		<u>Budget</u>		<u>Budget</u>		<u>Budget</u>		<u>Total</u>
<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>Complete</u>		<u>Program</u>		
<u>Product Development Organizations</u>										
Applied Sciences Laboratory		CPFF		31 Jul 01		N/A		3,000		2,295
01-C-0187 (RFWA Program)										491
Sterling Software, Inc/Pratt & CPFF				12 Feb 99		N/A		300		163
Whitney Corp 98-D-0318/02										127
(HSP-P-DE) - (Phase 1: High										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0
										0

Project 2053

Page 5 of 8 Pages

Exhibit R-3 (PE 0604750F)

UNCLASSIFIED

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)										DATE February 2003	
BUDGET ACTIVITY					PE NUMBER AND TITLE					PROJECT	
05 - System Development and Demonstration (SDD)					0604750F Intelligence Equipment					2053	
(U) <u>Performing Organizations Continued:</u>											
<u>Product Development Organizations</u>											
Speed Propulsion /Pulsed Detonation)											
Northrup-Grumman IT, 00-C-0045 - (Phase 1: High Speed Propulsion /Pulsed Detonation)	CPFF/LOE	TBD	N/A	200	0	0	93	48	Continuing	TBD	
SAIC, 99-D-0137 - Phase 2: High Speed Propulsion (ATR)	IDIQ/CPFF	17 Jan 02	N/A	500	0	229	215	46	Continuing	TBD	
TBD Phase 3: High Speed Propulsion (T-R)	TBD	TBD	N/A	350	0	129	93	98	Continuing	TBD	
TBD (in negotiation at this time) - Phase 4: High Speed Propulsion (Scram-Jet)	TBD	TBD	N/A	250	0	0	135	98	Continuing	TBD	
Calspan Veridian Corp., 99-D-0050 - Missile System / Phase 1: (DOM)	CPFF	15 Feb 00	N/A	500	265	219	0	0	0	484	
Northrup-Grumman IT, 00-C-0045 - Missile System / Phase 3: (CRMPS)	CPFF/LOE	19 Oct 01	N/A	650	0	204	245	172	Continuing	TBD	
Northrup-Grumman IT, 00-C-0045 - Missile System / Phase 4: (BRACE)	CPFF/LOE	19 Oct 01	N/A	650	0	209	213	172	Continuing	TBD	
PAR Govt. Systems 01-F-5008 & AFRL/IFSB (In-House) -(IVIEW 2000 Upgrade/JView SVS)	CPFF	8 Dec 00	N/A	700	100	103	132	98	Continuing	TBD	
Northrup-Grumman IT,	CPFF/LOE	30 May 02	N/A	3,000	0	24	135	197	Continuing	TBD	
Project 2053				Page 6 of 8 Pages				Exhibit R-3 (PE 0604750F)			

UNCLASSIFIED

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)										DATE
										February 2003
BUDGET ACTIVITY					PE NUMBER AND TITLE					PROJECT
05 - System Development and Demonstration (SDD)					0604750F Intelligence Equipment					2053
(U) <u>Performing Organizations Continued:</u>										
<u>Product Development Organizations</u>										
00-C-0045 - Adv Analysis										
Capability: Integrated										
Avionics Support Model										
TBD - Laser Weapons	TBD	TBD	N/A	600	0	0	29	148	Continuing	TBD
(LODUR) Threat Assessment										
Tool										
TBD - Anal. & Exploit. of	TBD	TBD	N/A	2,000	0	0	0	98	Continuing	TBD
UGF/HDBT Using										
Hyperspectral & MASINT										
Tools										
TBD - Terrain Map	TBD	TBD	N/A	2,000	0	0	0	98	Continuing	TBD
Comparison (UGF/HDBT)										
Tools										
TBD - Tel-Scope Enhanced	TBD	TBD	N/A	1,000	0	0	0	47	Continuing	TBD
Operational Capability (EOC)										
<u>Support and Management Organizations</u>										
N/A										
<u>Test and Evaluation Organizations</u>										
N/A										
(U) <u>Government Furnished Property:</u>										
	<u>Contract</u>									
	<u>Method/Type</u>	<u>Award or</u>								
<u>Item</u>	<u>or Funding</u>	<u>Obligation</u>	<u>Delivery</u>		<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>	<u>Total</u>
<u>Description</u>	<u>Vehicle</u>	<u>Date</u>	<u>Date</u>		<u>to FY 2002</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>Complete</u>	<u>Program</u>
<u>Product Development Property</u>										
N/A										
<u>Support and Management Property</u>										
N/A										
Project 2053										
Page 7 of 8 Pages										
Exhibit R-3 (PE 0604750F)										

UNCLASSIFIED

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)					DATE February 2003	
BUDGET ACTIVITY		PE NUMBER AND TITLE				PROJECT
05 - System Development and Demonstration (SDD)		0604750F Intelligence Equipment				2053
(U) <u>Government Furnished Property Continued:</u>						
<u>Test and Evaluation Property</u>						
N/A						
		<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>
		<u>to FY 2002</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>Complete</u>
<u>Subtotals</u>						<u>Total</u>
Subtotal Product Development		2,823	1,735	1,290	1,320	TBD
Subtotal Support and Management						TBD
Subtotal Test and Evaluation						
Total Project		2,823	1,735	1,290	1,320	TBD