OMB Control Number: 0694-0119 Expiration Date: September 30, 2012

NATIONAL SECURITY ASSESSMENT:

1 of 38

U.S. CARTRIDGE AND PROPELLANT ACTUATED DEVICE INDUSTRY

4th Report



SCOPE OF ASSESSMENT

The U.S. Department of Commerce, Bureau of Industry and Security (BIS), Office of Technology Evaluation (OTE), in coordination with the CAD/PAD Joint Program Office, Naval Surface Warfare Center, Indian Head, is conducting a national security assessment of the U.S. cartridge and propellant actuated device (CAD/PAD) industry and its supply chains. The principal goal of this data collection is to update industry and government officials on the underlying health and competitiveness of this defense critical industry, and to ensure the ability of the industry to support defense missions and programs.

RESPONSE TO THIS SURVEY IS REQUIRED BY LAW

A response to this survey is required by law (50 U.S.C. app. Sec. 2155). Failure to respond can result in a maximum fine of \$10,000, imprisonment of up to one year, or both. Information furnished herewith is deemed confidential and will not be published or disclosed except in accordance with Section 705 of the Defense Production Act of 1950, as amended (50 U.S.C App. Sec. 2155). Section 705 prohibits the publication or disclosure of this information unless the President determines that its withholding is contrary to the national defense. Information will not be shared with any non-government entity, other than in aggregate form. The information will be protected pursuant to the appropriate exemptions from disclosure under the Freedom of Information Act (FOIA), should it be the subject of a FOIA request.

Not withstanding any other provision of law, no person is required to respond to nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a currently valid OMB Control Number.

BURDEN ESTIMATE AND REQUEST FOR COMMENT

Public reporting burden for this collection of information is estimated to average 12 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information to BIS Information Collection Officer, Room 6883, Bureau of Industry and Security, U.S. Department of Commerce, Washington, D.C. 20230, and to the Office of Management and Budget, Paperwork Reduction Project (OMB Control No. 0694-0119), Washington, D.C. 20503.

BUSINESS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act

	TABLE OF CONTENTS
I	General Instructions
	Definitions
	Who Must Respond to this Survey
IV	Product Codes
1	Company Information
2	Facilities
3	Closed/Sold Facilities
4	Production Capabilities
5	Inventory and Order Backlog
6	Suppliers/Subcontractors
7	Sales
8	Exports
9	Competitive Prospects
10	Supply Chain Issues
11	Workforce
12	Financials
13	Mergers & Acquisitions/Joint-Ventures
14	Capital Expenditures
15	Research and Development
16	Customer Capabilities
17	U.S. Government Policies
18	Effectiveness of Previous Assessments
19	Certification
	BUSINESS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act

ect	ion I GENERAL INSTRUCTIONS
A.	Your company is required to complete this survey using the Excel-based survey template, which can be downloaded from the U.S. Department of Commerce, Bureau of Industry and Security (BIS) website at www.bis.doc.gov/cadpad_survey. For your convenience, a PDF version of the survey is available on the BIS website to aid internal data collection. DO NOT use the PDF to submit your company's response to BIS.
В.	If information is not available from your records in the form requested, you may furnish estimates. Please indicate in the comment box on the page when you use an estimate.
C.	Surveys that are not fully completed will be returned for completion. Use comment boxes to provide any information to supplement responses provided in the survey form. Make sure to record a complete answer in the cell provided, even if the cell does not appear to expand to fit all the information. DO NOT COPY AND PASTE RESPONSES WITHIN THIS SURVEY. Survey inputs should be made manually, by typing in responses or by use of a drop-down menu. The use of copy and paste can disrupt the data collection process. If your survey response is corrupted as a result of copy and paste
	responses, a new survey will be sent to you for immediate completion.
D.	Important: This survey may not be submitted in paper form. Please submit the completed survey document in Microsoft Excel (.xls) format at <u>CADPADsurvey@bis.doc.gov</u>
E.	Report calendar year data, unless otherwise specified in a particular question.
	Questions regarding this survey should be directed to: <u>CADPADsurvey@bis.doc.gov</u> or
F.	Anna Bruse, Trade and Industry Analyst, U.S. Department of Commerce, (202) 482-7980 Erika Maynard, Trade and Industry Analyst, U.S. Department of Commerce, (202) 482-5572
	Temporary Employee, Trade and Industry Analyst, U.S. Department of Commerce, (202) 482-xxxx For questions regarding the overall assessment or the Office of Technology Evaluation (OTE), please contact:
G.	Brad Botwin, Director, Industrial Studies Office of Technology Evaluation, Room 1093 U.S. Department of Commerce 1401 Constitution Avenue, NW Washington, DC 20230 Phone: (202) 482-4060
	Please do not submit completed surveys to this address; all surveys must be submitted electronically.

BUSINESS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act

ection II	DEFINITIONS
Cartridge	An energy source utilizing one or more energetic materials such as pyrotechnic, propellant or explosive ingredients.
Cartridge Actuated Device (CAD)	A device releasing energy to perform a controlled system or work function.
Capacity Utilization	The extent to which an enterprise uses its total annual installed manufacturing capacity.
Cost Premium Defense Shipments	For the purposes of the survey, the percentage value above or below the base cost of the part/component. Direct and indirect military shipments, including domestic and international shipments for military use. These include: 1) weapon systems, support equipment, and all other defense related end-use devices, identified by purchase orders bearing a DO or DX rating and/or a contract number from the Department of Defense, Nuclear Regulatory Commission, Central Intelligence Agency, Federal Aviation Administration, National Security Agency or National Aeronautics and Space Administration; 2) the orders of your customers which you can identify as producing products for defense purposes; 3) devices tested and certified to military specifications.
Manufacturing Materials (Raw Materials)	Any material or substance used in or used to facilitate the manufacturing process, a concomitant constituent, or a byproduct constituent produced during the manufacturing process, which is present in or on the finished device/product as a residue or impurity not by design or intent of the manufacturer.
Obsolescence	A lack of availability of an item or raw material resulting from statutory and process changes, as well as new designs. Obsolescence refers to the process or condition by which a piece of equipment becomes no longer useful, or a form and function no longer current or available for production or repair.
Offset Agreements	Offsets are defined as industrial or commercial compensation practices required by foreign governments as a condition of purchase of military imports. Common types of offsets include licensed production of the defense item (or parts thereof) in the purchasing country, technology transfer, foreign investment, and countertrade.
Propellant Actuated Device (PAD)	A rocket powered device releasing controlled propellant energy to perform a work function. This device provides propulsion for acceleration/deceleration stabilization, divergence or deployment.
Research and Development	Includes basic and applied research and product development in the sciences and in engineering, and design and development of prototype products and processes. For the purposes of this questionnaire, research and development included activities carried on by persons trained, either formally or by experience, in the physical sciences including related engineering, if the purpose of the activity is to do one or more of the following things: 1. Pursue a planned search for new knowledge, whether or not the search ahs reference to a specific application. 2. Apply existing knowledge to problems involved into the creation of a new product or process, including work required to evaluate possible uses. 3. Apply existing knowledge to problems involved in the improvement of a product or process.
Shipments	Domestically produced products shipped by your firm during the reporting period. Such shipments should include inter-plant transfers, but should exclude shipments of products produced by other manufacturers for resale under your brand name. Do not adjust for returned shipments. (See definition of Defense Shipments above.)
Single-Source	A company or facility that is designated as the only accepted source for the supply of parts, components, materials, or services, even though other sources with equivalent technical know-how and production capability may exist.
Sole-Source	A company or facility that is the only source for the supply of parts, components, materials, or services. No alternative domestic or foreign suppliers exist other than the current supplier.
United States	Includes the fifty States, Puerto Rico, District of Columbia, and the Virgin Islands.

Sect	on III WHO MUST RESPOND						
A.	Has your company manufactured or integrated/assembled Cartridge and/or Propellant Actuated Devices for defense end-uses in the United States between 2005-2011?						
В.	Has your company manufactured or integrated/assembled Cartridge and/or Propellant Actuated Devices for commercial end- uses in the United States between 2005-2011?						
	EXEMPTION FROM SURVEY						
	you selected "No" to both the statements above, your company may be exempt from completing this U.S. Department of Commerce survey. If you think our company is exempt, call the contacts listed in the General Instructions section of this survey.						
	BUSINESS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act						

Sect	ion IV	PRODUCT CODES
	Aircrew Escape Propulsion System	A rocket powered device employed in aircrew escape systems to perform such functions as propulsion, acceleration, deceleration, ejection seat divergence, man-seat separation, parachute deployment, stabilization, etc., including rocket catapults and underseat rocket motors.
2.	Impulse Cartridges	A cartridge-type item employing propellant or explosive materials to release energy. This category includes fire extinguisher cartridges, ignition elements, squibs, detonators and blasting caps, but excludes cartridges that incoporate pyrotechnic delay material(s) to affect the timing of the output charge initiaion, see product code #4. Also exclude aircraft stores release cartridges and aircraft cartridges and aircraft countermeasure cartridges such as chaff and flare ejection cartridges and sonobouy ejection cartridges (see Product Code #5).
2.A	Electrically Initiated Cartridges	Devices using electrical energy to intiate the energetic material.
2.B	Percussion Initiated Charges	Devices using percussion primers to initiate the energetic material.
3.	Initiators (Impulse)	Devices employing energetic materials such as propellants or explosives to: generate the initial or sustaining pressure within a ballistic gas system or to initiate a signal transmission line such as shielded mild detonating cords, thin layered explosive transmission lines, etc. Exclude cartridge type devices which are employed in igniters or other explosive devices to ignite propellants or explosives, as well as, initiators which affect the timing of the output charge initiation by use of pyrotechnic delay material(s) (see #4, below).
4.	Delay Cartridges and Delay Initiators	Devices similar to the above #2A, #2B AND #3, that incorporates pyrotechnic delay material(s) to effect timing of the output charge initiation. This category includes electric and percussion primed delay cartridges and delay initiators.
5.	Aircraft Stores/Flares/Chaff/Sonobuoy Ejection Cartridges	Cartridges and ignition elements, employing energetic materials such as propellants and explosives, used to eject bombs, sonobuoys, missiles, etc., from combat aircraft. This category includes cartridges to launch or eject aircraft flares or chaff for anti-aircraft missile countermeasures, but not the flares themselves.
6.	Detonating Cords and Charges	This category includes the following devices: shielded mild detonating cord, mild detonating cord, linear shape charge, flexible linear shape charge, mild detonating fuse, and thin layered explosive lines. Also included in this group are transfer assemblies and other assemblies that employ these type of cords or lines, (for example, window severance assemblies). Exclude bulk explosives.
7.	Cutters	Devices which employ energetic materials and a cutting blade to sever a bolt, wire, cable suspension line, etc.
8.	Catapults, Thrusters, and Removers	Devices using energetic materials and employing captured or ejected telescoping-type tubes to perform functions such as separation, ejection, thrusting, movement, etc.
9.	Automatic Inflators	Automatic Inflators
10.	Gas Generators	Gas Generators
11.	Automotive Airbag Initiators	Automotive Airbag Initiators
12.	Laser Initiated Cartridges, Detonators, and Initiators	Laser Initiated Cartridges, Detonators, and Initiators
13.	Rocket Motor Igniters	Rocket Motor Igniters
14.	Other	This category includes all other cartridges, cartridge actuated devices, and other pyrotechnic devices of similar design and used in a similar manner.
		BUSINESS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act

Sect	ion 1.a	CO	MPANY INFORMATION						
	Company Name								
	Business Unit Responding to Survey								
	Street Address								
	City								
Α.	State								
	Zip Code								
	Phone Number								
	Fax Number								
	Website								
	Point of Contact(s) regarding this survey	:							
В.	Name	Title	E-mail		Phone Number				
υ.									
	My company is headquartered in:								
	My company is:								
С.	Parent Company Name	Address	City	State/Province	Country				
0.									
		My company is Publicly traded/Privately held:							
	My parent company is Publicly traded/P	rivately held:							
D.	Indicate what year your company or bus	iness unit was acquired by the parer	nt company, if applicable.						
	Comments:								
		BUSINESS CONFIDENTIAL	- Per Section 705(d) of the Defense	Production Act					

Sect	ion 1.b	COMPANY INFORMATION (cont.)							
Α.	What percent of your parent company,								
В.	What percent of your business unit sales operations are CAD/PAD-related?								
	Does your business unit partake in additional lines of business? If "yes", indicate the business lines below. Business Line								
C.	1. 2. 3.								
	Comments:								
	BUSINE	SS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act							

Cast	2										
Sect	Section 2 FACILITIES										
	dentify the location of each of your CAD/PAD manufacturing, assembly, or integration facilities currently in operating IN the United States.										
	ID #	Facility Name	Street Address	City	State	Zip Code					
	US - 1										
	US - 2										
	US - 3										
Α.	US - 4										
	US - 5										
	US - 6										
	US - 7										
	US - 8										
	US - 9										
	US - 10										
	Identify the location of each of your CAD/PAD manufacturing, assembly, or integration facilities currently in operating OUTSIDE the United States.										
	ID #	Facility Name	Street Address	City	State/Province	Country					
	Non-US - 1										
	Non-US - 2										
	Non-US - 3										
В.	Non-US - 4										
	Non-US - 5										
	Non-US - 6										
	Non-US - 7										
	Non-US - 8										
	Non-US - 9										
	Non-US - 10										
		Comments:									
			ONFIDENTIAL - Per Section 705(d) of the D								

ID #	Facility Name	City	State	Zip Code	Year of Closure/Sale	Reason for Closure/Sale
Closed/Sold US - 7						
Closed/Sold US - 8						
Closed/Sold US - 9						
Closed/Sold US - 10						
ID #	Facility Name	City	State/Province	Country	Year of Closure/Sale	Reason for Closure/Sale
ID #	Facility Name	City	State/Province	Country	Year of Closure/Sale	Reason for Closure/Sale
Closed/Sold Non-US - 6						
Closed/Sold Non-US - 7						
Closed/Sold Non-US - 8						
Closed/Sold Non-US - 8 Closed/Sold Non-US - 9						
Closed/Sold Non-US - 8						
	Closed/Sold US - 9 Closed/Sold US - 10 Identify the location of each of closure or sale.	Closed/Sold US - 2 Closed/Sold US - 3 Closed/Sold US - 4 Closed/Sold US - 5 Closed/Sold US - 5 Closed/Sold US - 7 Closed/Sold US - 7 Closed/Sold US - 8 Closed/Sold US - 9 Closed/Sold US - 10 Identify the location of each of your CAD/PAD-related manuf closure or sale. ID # Facility Name Closed/Sold Non-US - 1 Closed/Sold Non-US - 1 Closed/Sold Non-US - 2 Closed/Sold Non-US - 3 Closed/Sold Non-US - 4	Closed/Sold US - 2 Closed/Sold US - 3 Closed/Sold US - 3 Closed/Sold US - 4 Closed/Sold US - 5 Closed/Sold US - 5 Closed/Sold US - 6 Closed/Sold US - 6 Closed/Sold US - 7 Closed/Sold US - 8 Closed/Sold US - 9 Closed/Sold US - 9 Closed/Sold US - 10 Identify the location of each of your CAD/PAD-related manufacturing, assembly, a closure or sale. ID # Facility Name City Closed/Sold Non-US - 1 Closed/Sold Non-US - 2 Closed/Sold Non-US - 3 Closed/Sold Non-US - 3 Closed/Sold Non-US - 4 Closed/Sold Non-US - 4	Closed/Sold US - 2	Closed/Sold US - 2	Closed/Sold US - 2

1 4	CAD/PAD Product		ate/Assemble Facility of Manufacture/Integration/Assembly			Year of Cease in	Reason for Cease in Production
1 1		Product?	1	2	3	Production	Reason for cease in Froduction
	ircrew Escape Propulsion System						
	npulse Cartridges						
	lectrically Initiated Impulse Cartridges						
	ercussion Initiated Impulse Charges						
-	nitiators (Impulse)						
	elay Cartridges and Delay Initiators						
	ircraft Stores/Flares/Chaff/Sonobuoy Ejection						
6. D	etonating Cords and Charges, and Linear Charges						
	utters						
8. C	atapults, Thrusters, and Removers						
9. A	utomatic Inflators						
LO. G	as Generators						
	utomotive Airbag Initiators						
L2. L	aser Initiated Cartridges, Detonators, and Initiators						
L3. R	ocket Motor Igniters						
4.A C	Other (specify)						
4.B C	ther (specify)						
4.C C	ther (specify)			_			
4.C C		related product lines with Non-Defense custom	ners and applications.				

Г

Section 4.b

PRODUCTION CAPABILITIES (cont.)

For the CAD/PAD products that your company does not currently manufacture, indicate whether your company could manufacture these products with your current equipment and facilities. In addition, using your company's 2011 production as a baseline, estimate the lead time required to restart production of each product area. Finally, explain your estimate for lead time. For the purpose of this estimate, make the following assumptions:

1) Existing U.S. production facilities are to be operated at maximum practical productive capacity;

2) Labor availability reflects normal local market conditions;

3) Material availability reflects normal local market conditions;

4) Facilities operate at the maximum rate possible given technological constraints; and

5) The product area in question is given priority over other products that may use the same manufacturing resources.

	CAD/PAD Product	Could Manufacture?	Lead Time	Explain
1.	Aircrew Escape Propulsion System			
2.	Impulse Cartridges			
2.A	Electrically Initiated Impulse Cartridges			
2.B	Percussion Initiated Impulse Charges			
3.	Initiators (Impulse)			
4.	Delay Cartridges and Delay Initiators			
5.	Aircraft Stores/Flares/Chaff/Sonobuoy Ejection Cartridges			
6.	Detonating Cords and Charges, and Linear Charges			
7.	Cutters			
8.	Catapults, Thrusters, and Removers			
9.	Automatic Inflators			
10.	Gas Generators			
11.	Automotive Airbag Initiators			
12.	Laser Initiated Cartridges, Detonators, and Initiators			
13.	Rocket Motor Igniters			
14.A	Other (specify)			
14.B	B Other (specify)			
14.0	C Other (specify)			
	Comments:			
	BUSIN	IESS CONFIDENTIAL - Per S	ection 705(d) of the	Defense Production Act

Section 5 INVENTORY AND ORDER BACKLOG							
Does your company keep inventory of CAD/PAD finished products, components/manufacturing materials, or both?							
Explain below.							
A							
What is the average inventory, in months, for finished CAD/PAD products maintained in inventory? Explain below.							
В.							
What is the average inventory, in months, for CAD/PAD components and manufacturing materials maintained in							
inventory? Explain below.							
What is your average order backlog for finished CAD/PAD products, in months? Explain below.	What is your average order backlog for finished CAD/PAD products, in months? Explain below.						
2007 2008							
Estimate the percent capacity utilization rate (see definitions) for your company's 2008 2009							
CAD/PAD production, integration, and/or assembly from 2007-2011.							
2011							
Comments:							
BUSINESS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act							

C !			0.00		
ectior		U.S. SUPPLIERS/SUBCONTRACT			
	dentify your company's most important U.S. suppliers/s		ch supplier name, indicate tl	he product, service, manufact	uring material and/or equipment
SL	upplied, location of the supplier, and whether the supp	lier is single or sole source.			
N	lote: Include internal/same company suppliers.				
	U.S. Supplier/Subcontractor Name	Product/Service/Equipment	City	State	Single or Sole Source?
	1.				
	2.				
Α. Ξ	3.				
4	4.				
	5.				
f	6.				
	7.				
	8.				
	9.				
1	10.				
		NON-U.S. SUPPLIERS/SUBCC	NTRACTORS		
N	lote: Include internal/same company suppliers.				
L	Non-U.S. Supplier/Subcontractor Name	Product/Service/Equipment	City	Country	Single or Sole Source?
	1.				
-	2.				
B. 3	3.				
	4.				
	5.				
	6.				
	7.				
	8.				
	9.				
1	10.				
1	Comments:				

ection 7				SALES								
eport your total U.S. defense and non-defense sales for each of the	CAD/PAD devic	es listed for the y	ears 2007-201	1. Then, indicate	whether your	2012-2016 sales	will "increase"	, "decrease", or "	remain the sar	ne" from the dro	p-down menu	provided.
ales to NASA and other non-defense USG agencies should be included	d in defense sal	es.										
-												
lote: Record in \$ Thousands, e.g. \$12,000.00 = survey input of \$12												
	2	007	2	008	2	009	2	010	2	011	2012	-2016*
Products	Defense	Non-Defense	Defense	Non-Defense	Defense	Non-Defense	Defense	Non-Defense	Defense	Non-Defense	Defense	Non-Defens
1. Aircrew Escape Propulsion System												
2.A Electrically Initiated Impulse Cartridges												
2.B Percussion Initiated Impulse Charges												
3. Initiators (Impulse)												
4. Delay Cartridges and Delay Initiators												
5. Aircraft Stores/Flares/Chaff/Sonobuoy Ejection Cartridges												
6. Detonating Cords and Charges												1
7. Cutters												
8. Catapults, Thrusters, and Removers												
9. Automatic Inflators												
10. Gas Generators												
11. Automotive Airbag Initiators												
12. Laser Initiated Cartridges, Detonators, and Initiators												
13. Rocket Motor Igniters												
14.A Other (specify)												
14.B Other (specify)												
14.C Other (specify)												
Total Defense and Non-Defense Sales												
If data is not available, provide estimates.						•				•		
Comments:												
				- Per Section 705	(d) of the Def	nco Production	Act					
		203INE33 C		1 61 56661011 705	a of the Den	inse i reduction i						

4	2007	2	008	2	009	2	010	20	011*	2012	-2016*
Defense	Non-Defense	Defense	Non-Defer								
	Defense									Image: state	Image: state of the state

Section 8) h		EXPORTS				
		identify the top FIVE end-user countries for		exports by total dollar sal	es for each product below	Inputs should reflect 2011 v	ear data (Note: Include
FMS Sale			your company s chorrie			inputs should reneet 2011 y	cui auta. (Note: melade
		Products	Country 1	Country 2	Country 3	Country 4	Country 5
1.	Aircrew Escape Propul	lsion System	-	-			
2.	Impulse Cartridges						
	Electrically Initiated Im	npulse Cartridges					
	Percussion Initiated Im						
3.	Initiators (Impulse)						
4.	Delay Cartridges and D	Delay Initiators					
5.	Aircraft Stores/Flares/	Chaff/Sonobuoy Ejection Cartridges					
6.	Detonating Cords and	Charges					
A. 7.	Cutters						
8.	Catapults, Thrusters, a	and Removers					
9.	Automatic Inflators						
10.	. Gas Generators						
11.	. Automotive Airbag Init	tiators					
12.		ges, Detonators, and Initiators					
13.	. Rocket Motor Igniters						
	A Other (specify)						
	B Other (specify)						
14.	C Other (specify)						
	Comments:						
		BUSINESS	CONFIDENTIAL - Per Sec	tion 705(d) of the Defense	Production Act		

 Section 9.a
 COMPETITIVE PROSPECTS

 How do you foresee the competitive prospects for your firm's U.S.-based CAD/PAD production operations over the next five years? Explain below.
 Image: Company impacted by recent consolidations among competitors? Explain below.

 B.
 Image: How is your company impacted by recent consolidations among competitors? Explain below.

 B.
 Image: Company impacted by recent consolidations among competitors? Explain below.

 C.
 Image: Company impacted by recent consolidations among competitiveness.

 C.
 Image: Company impacted by recent consolidations among competitiveness.

 C.
 Image: Company impacted by recent consolidations among competitiveness.

 C.
 Image: Company impacted by recent consolidations among competitiveness over the NEXT 5 years.

 D.
 Image: Comments:

 BUSINESS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act

Sect	ion 9.b COMPETITIVE	PROSPECTS (cont.)	
	List your primary domestic competitors and their location:		
	Domestic Competitor Name	City	State
	1.		
Α.	2.		
	3.		
	4.		
	5.		
	List your primary international competitors and their location		
	International Competitor Name	City	Country
	1.		
В.	2.		
	3.		
	4.		
-	5.		
	How would you assess your competitiveness against internation	ional competitors over the LAST 5 YEARS. Explain	
G.	below.		
_			
	How would you assess your projected competitiveness against	st international competitors over the NEXT 5	
	YEARS. Explain below.		
Н.			
	Comments:		
	BUSINESS CONFIDENTIAL - Per	Section 705(d) of the Defense Production Act	

		SUPPLY CHAIN ISSUES							
How have imports of CA	D/PADs into the U.S. (including those for	or your own use) positively and/or negatively aff	ected your domestic manufacturing and/or						
integration/assembly op	operations?								
A. Effect		Explain							
Positive Factors									
Negative Factors									
Have you experienced a	ny shortages, drastic cost increases, or	supply interruptions of materials, parts and com	ponents or other						
essential supplies in the	essential supplies in the last five years that adversely affected, or that continue to adversely effect your U.S. CAD/PAD								
manufacturing/integrati	manufacturing/integration/assembly operations? If "Yes", indicate the items and explain the situation and how it was resolved.								
	Item	Impacted?	Explain						
a. Explosive Componen									
B. b. Explosive Ingredients	5								
c. Explosive Materials									
d. Legacy Propellants									
e. Raw Materials									
f. Parts/Components									
g. Subcomponents									
h. Testing Materials									
i. Other (specify)									
j. Other (specify)									
k. Other (specify)									
adversely affected, or th	Have any of the following factors impacted your manufacturing, integration and/or assembly operations in the last five years that adversely affected, or that continue to adversely affect your U.S. manufacturing/integration/assembly operations? If "Yes", indicate which factors and explain its effect.								
	Factor	Impacted?	Evolain						
a. Commerce Control L	Factor ist (CCL) Regulations	Impacted?	Explain						
a. Commerce Control L	ist (CCL) Regulations	Impacted?	Explain						
Department of Trans	ist (CCL) Regulations portation Regulations	Impacted?	Explain						
b. Department of Trans (e.g. "Competent Aut	ist (CCL) Regulations portation Regulations thority")	Impacted?	Explain						
b. Department of Trans (e.g. "Competent Autor") c. Environmental Prote	ist (CCL) Regulations portation Regulations thority") ction Agency	Impacted?	Explain						
b. Department of Trans (e.g. "Competent Aut c. Environmental Prote d. Foreign Military Sale	ist (CCL) Regulations portation Regulations thority") ction Agency s	Impacted?	Explain						
 b. Department of Trans (e.g. "Competent Aut c. Environmental Prote d. Foreign Military Sale e. International Traffic 	ist (CCL) Regulations portation Regulations thority") ction Agency	Impacted?	Explain						
 b. Department of Trans (e.g. "Competent Aut c. Environmental Prote d. Foreign Military Sale e. International Traffic f. N-ray Testing 	ist (CCL) Regulations portation Regulations thority") ction Agency s	Impacted?	Explain						
 b. Department of Trans (e.g. "Competent Aut c. Environmental Prote d. Foreign Military Sale e. International Traffic f. N-ray Testing g. Obsolescence 	ist (CCL) Regulations portation Regulations thority") ction Agency s	Impacted?	Explain						
 b. Department of Trans (e.g. "Competent Aut c. Environmental Prote d. Foreign Military Sale e. International Traffic f. N-ray Testing g. Obsolescence h. Testing Facilities 	ist (CCL) Regulations portation Regulations thority") ction Agency s	Impacted?	Explain						
 b. Department of Trans (e.g. "Competent Aut c. Environmental Prote d. Foreign Military Sale e. International Traffic f. N-ray Testing g. Obsolescence h. Testing Facilities i. Vibration Testing 	ist (CCL) Regulations portation Regulations thority") ction Agency s	Impacted?	Explain						
 b. Department of Trans (e.g. "Competent Aut c. Environmental Prote d. Foreign Military Sale e. International Traffic f. N-ray Testing g. Obsolescence h. Testing Facilities i. Vibration Testing j. Other (specify) 	ist (CCL) Regulations portation Regulations thority") ction Agency s	Impacted?	Explain						
 b. Department of Trans (e.g. "Competent Aut c. Environmental Prote d. Foreign Military Sale e. International Traffic f. N-ray Testing g. Obsolescence h. Testing Facilities i. Vibration Testing 	ist (CCL) Regulations portation Regulations thority") ction Agency s	Impacted?	Explain						
 b. Department of Trans (e.g. "Competent Aut c. Environmental Prote d. Foreign Military Sale e. International Traffic i f. N-ray Testing g. Obsolescence h. Testing Facilities i. Vibration Testing j. Other (specify) k. Other (specify) 	ist (CCL) Regulations portation Regulations thority") ction Agency s	Impacted?	Explain						
 b. Department of Trans (e.g. "Competent Aut c. Environmental Prote d. Foreign Military Sale e. International Traffic f. N-ray Testing g. Obsolescence h. Testing Facilities i. Vibration Testing j. Other (specify) k. Other (specify) l. Other (specify) 	ist (CCL) Regulations portation Regulations thority") ction Agency s	Impacted?	Explain						

Sec	ction 10.b	SUPPL	Y CHAIN ISSUES (cont.)				
	Are you required to utilize parts and components that are deemed obsolete for products you sell into the CAD/PAD supply chain? If "Yes", indicate the key obsolete parts/components below, the supplier's name and location. Then, estimate the percentage cost premium (see definitions) for each item and whether you have difficulty obtaining the part/component. Finally, explain your answer. Note: For foreign supplier locations, only indicate country.						
А.	Obsolete Part/Compon	ent Supplier Company	State	Country	Cost Premium (%)	Difficulty Obtaining Part?	Explain
	1.						
	2.						
	3.						
	4.						
		that are difficult to obtain that your company uses alternate source available for each material and exp only indicate country.			you sen into the CAD/PAD supply Chain? Ind	icate the material Delo	w, the supplier's name and location.
в.	Manufacturing Mater	ial Supplier Company	State	Country	Alternate Source Available?		Explain
	1.						
	2.						
	3.						
	4.						
	Comments:						
		BUS	SINESS CONFIDENTIAL - Pe	r Section 705(d) of the Def	ense Production Act		

ecti	on 11.a		WORK	FORCE					
	rd the total number of full tin	ne equivalent (FTE) emp	loyees, including co	nsultants, for your U.S	. CAD/PAD operations	by occupational type for	or the 2007-2011		
	d. Do not double count pers				ceptable.				
	Professional Oc		2007	2008	2009	2010	2011*		
	a. Contracts Administratio								
	b. Design Engineering								
	c. Finance/Accounting								
	d. IT/Network Engineers								
	e. Management								
	f. Manufacturing/Product	tion Line Workers							
	g. Marketing & Sales								
	h. Program Management								
۹.	i. Quality Control								
	j. Research and Developn	nent Staff							
	k. Scientists								
	I. Testing								
	m. Other (specify)								
	n. Other (specify)								
	o. Other (specify)								
	p. Total Full Time Equivale	ent (FTE) Employees							
	What is the number and current experience profile of your design and engineering technical staff? Identify only design engineering staff, excluding engineers in								
	support of manufacturing, te	esting, quality, and other	•						
3.	Technical Occupations	Number Employed	< 5 Years of Experience	6 to 10 Years of Experience	11 to 20 Years of Experience	21 to 30 Years of Experience	> 30 Years of Experience		
	a. Mechanical								
	b. Electrical								
	c. Chemical								
	d. Laser								
	Comments:								
		BOSINESS CC	JINFIDENTIAL - Per S	ection 705(d) of the De	elense Production Act				

Secti	on 1	1.b	WORKFO	DRCE (cont.)			
	Prov	vide the number of your company's CAD/PAD related resear	ch and development	staff for 2011, that fall	within the functions a	nd age ranges listed in	the table below.
	Not	e: Non-U.S. Citizens include Green Card and H1-B Visa Hold	ers.				
			< 30 Years Old	30 to 40 Years Old	40 to 50 Years Old	50 to 60 Years Old	> 60 Years Old
Α.	a.	U.S. Citizens (Development Staff, i.e. Engineers)					
	b.	Non-U.S. Citizens (Development Staff, i.e. Engineers)					
	с.	U.S. Citizens (Research Staff, i.e. Scientists)					
	d.	Non-U.S. Citizens (Research Staff, i.e. Scientists)					
	Prov	vide the number of your company's CAD/PAD related resear	ch and development	staff who hold advanc	ed degrees as of 2011	. Do not include outsi	de consultants not
	peri	manently employed by your firm.					
				B.A./B.S.	Masters	Ph.D. o	r Higher
В.	a.	U.S. Citizens (Development Staff, i.e. Engineers)					
	b.	Non-U.S. Citizens (Development Staff, i.e. Engineers)					
	с.	U.S. Citizens (Research Staff, i.e. Scientists)					
	d.	Non-U.S. Citizens (Research Staff, i.e. Scientists)					
						•	
		Comments:					
		BUSINESS CONFID	FNTIAL - Per Section	705(d) of the Defense	Production Act		

Section 11.c	WOR	RKFORCE (cont.)		
For your company, identify what CAD/PAD A. related professional occupations are the most difficult to hire and retain.	1. 2. 3. 4.	Difficult to Hire	Difficult 1	to Retain
B. If your defense-related work were to decline or below.		help retain workforce skills	needed for future defense work? Explain	
Identify your company's critical skills/competen critical skills/competencies identified, how man	•		petitiveness of your CAD/PAD operations. Exp	lain. Finally, on average, for the
Skills/Competen	cies		Explain	Months Training
C. 1. 2. 3. 4. 5.				
D. What is the typical process your company uses i	n training specialized engineer:	s and scientists for CAD/PAI	D-related work?	
Are there institutions or programs that your cor E.	npany relies on to provide trair	ning/education for newly hir	red employees?	
F.	any university, state or U.S. Go	overnment programs to hire	/recruit recent graduates? If "Yes", explain	
What degree programs do you find most conduc	cive to CAD/PAD-related work?	2		
Comments				
	BUSINESS CONFIDENTIAL	- Per Section 705(d) of the I	Defense Production Act	

Sect	ion 11.d WORKFO	DRCE (cont.)	_
А.	In the last five years, have you experienced any labor concerns a retirement of experienced workers, liability claims, etc. that adv operations? If "Yes", explain below.	• · · · · ·	
В.	Has your company had to increase staff to deal with U.S. Govern	nment regulations and policies? Explain below.	
D.			
	Identify the certifications that your company currently has or is	working towards below:	
	AMS (specify)	J-STD-001DS	
	ANSI/ASQC Z1.4	MIL-Q-9858	
	ANSI/ESD S20.20	MIL-STD-45662 A	
	ANSI/ISO/IEC 17025	NADCAP (specify)	
	DoD 5000	NCLS (specify)	
	ISO 9000	SAE AS9003	
С.	ISO 9001	SAE AS9100	
	ISO 10012-1	Other (specify)	
	ISO 14000	Other (specify)	
	ISO TS16948	Other (specify)	
	* AMS (Aerospace Material Specifications)	* NADCAP (National Aerospace and Defen	ise)
	* ANSI (American National Standards Institute)	* Contractors Accreditation Program)	
	* ASQ (American Society for Quality)	* NCLS (National Clinical Lab Specialist)	
	* ISO (International Organization for Standards)	* SAE (SAE International, formerly the Soc	ciety of Automotive
		Engineers)	
	Comments		
	BUSINESS CONFIDENTIAL - Per	r Section 705(d) of the Defense Production Act	

Section 12.a

FINANCIALS

Report select line items from your company's financial statement for years 2008-2011. From the drop-down indicate whether the reported income statement and balance sheet select line items are Business Unit/Division or Corporate/Whole Company financials.

Note: Business Unit/Division financials are preferred.

Note: Calendar year data is preferred.

Source of Financia						
Reporting Sc	hedule:					
Income Statement (Select Line Items)		Reco	rd in \$ Thousands, e.g. \$12	2,000.00 = survey input of \$12		
income statement (select line items)	2007	2008	2009	2010	2011	
A. Net Sales (and other revenue)						
B. Cost of Goods Sold						
C. Research and Development Expense						
D. Total Operating Income (Loss)						
E. Earnings Before Interest and Taxes						
F. Net Income						
		Reco	rd in \$ Thousands, e.g. \$12	,000.00 = survey input of	\$12	
Balance Sheet (Select Line Items)	2007	2008	2009	2010	2011	
A. Inventories						
B. Total Current Assets						
C. Total Assets						
D. Total Current Liabilities						
E. Total Liabilities						
F. Retained Earnings						
G. Total Owner's Equity						
			1			
Comments:						
BUSINE	SS CONFIDENTIAL -	Per Section 705(d) of	the Defense Production	Act		

Section 12.b

FINANCIALS (cont.)

27 of 38

For your firm's **CAD/PAD product** operations, indicate the following financial line items for Defense and Non-Defense business for the years 2007 to 2011.

		CAD/PAD Busir	ness Operations				
	Source of Financial Statement Line Items:						
	Reporting Schedule:						
	CAD/PAD Business Unit	Record in \$ Thousands, e.g. \$12,000.00 = survey input of \$12					
	Income Statement (Select Line Items)	2007	2008	2009	2010	2011*	
Α.	Net Sales (and other revenue)						
В.	Cost of Goods Sold						
С.	Research and Development Expense						
D.	Total Operating Income						
Ε.							
F.	Non-Defense Operating Income [as a percent of D.]						
G.	Operating Profit/(Loss) of CAD/PAD unit						
Η.	Earnings Before Interest and Taxes						
١.	Net Income						
	CAD/PAD Business Unit		Record in \$ Thousands, e.g. \$12,000.00 = survey input of \$12				
	Balance Sheet (Select Line Items)	2007	2008	2009	2010	2011*	
Α.	Inventories						
В.	Total Current Assets						
С.	Total Assets						
D.	Total Current Liabilities						
Ε.	Total Liabilities						
F.	Retained Earnings						
G.	Total Owner's Equity						
	Comments:						
	BUSINESS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act						

01/05/2012

	ce below to qualify with na	FINANCIALS (cont.) arrative any anomalies, transactions, litigation, or non-recurring one-time events reflected in your financial statement line rger and acquisition, chapter 11, SEC investigation, etc.			
Α.	2008				
В.	2009				
C.	2010				
D.	2011				
	Comments:				
	BUSINESS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act				

Secti	mergers and/c	any undergo any mergers and/o or acquisitions over the period. Ty objective of the deal.		ears 2005-2011? If "Yes'		_	
		Entity Name	Transaction Type	Entity's Location	Year	Primary Objective	
Α.	1.						
	2.						
	3.						
	4.						
_	5.			including public (privat		ing Drovids the name of the	
		ompany's current CAD/PAD-rela ty involved, indicating whether i		- · ·		s purpose, e.g. patent licensing, co-	
		oduct integration, after-market	· ·	-,	,		
	· · · · ·	Entity Nam	•• •	U.S./Non-U.S.	mary Objective of Relationship		
В.	1.						
	2.						
	3.						
	4.						
	Commen	ts:		1			
	BUSINESS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act						

	Note: Lines b. through f. should equal 100%.							
					1			
	Source of Capital Expenditure Data:							
	Capital Expenditure Reporting Schedule:	2007	2000	2000	2010	2011		
	Capital Expenditure Category	2007	2008	2009	2010	2011		
Α.	a. Total Capital Expenditures							
	b. Machinery, Equipment, and Vehicles [as a percent of a.]							
	c. IT, Computers, Software [as a percent of a.]							
	d. Land, Buildings, and Leasehold Improvements [as a percent of a.]							
	e. Other (specify) [as a percent of a.] f. Other (specify) [as a percent of a.]							
	% of Total Capital Expenditures relating to CAD/PAD business lines							
	⁶ [as a percent of a.]							
אור א	ata in matanya ilah la muayida antinantan							
*If d	ata is not available, provide estimates.		<u> </u>					
*lf d	From 2007-2011, rank the top five reasons for investment from 1 to 5 ("1" bein	ng the top reaso	n). If the reas	sons identifie	ed below do n	ot apply to		
*If d	From 2007-2011, rank the top five reasons for investment from 1 to 5 ("1" bein all situations, please use "other" and specify.	ng the top reaso	n). If the reas	sons identifie	ed below do n	ot apply to		
*If d	From 2007-2011, rank the top five reasons for investment from 1 to 5 ("1" bein all situations, please use "other" and specify.a. Replace old equipment	ng the top reaso	n). If the reas	sons identifie	ed below do n	ot apply to		
*If d	 From 2007-2011, rank the top five reasons for investment from 1 to 5 ("1" bein all situations, please use "other" and specify. a. Replace old equipment b. Improve productivity 	ng the top reaso	n). If the reas	sons identifie	ed below do n	ot apply to		
B.	 From 2007-2011, rank the top five reasons for investment from 1 to 5 ("1" bein all situations, please use "other" and specify. a. Replace old equipment b. Improve productivity c. Expand capacity 	ng the top reaso	n). If the reas	sons identifie	ed below do n	ot apply to		
	 From 2007-2011, rank the top five reasons for investment from 1 to 5 ("1" bein all situations, please use "other" and specify. a. Replace old equipment b. Improve productivity c. Expand capacity d. Add new capability 	ng the top reaso	n). If the reas	sons identifie	ed below do n	ot apply to		
	 From 2007-2011, rank the top five reasons for investment from 1 to 5 ("1" bein all situations, please use "other" and specify. a. Replace old equipment b. Improve productivity c. Expand capacity d. Add new capability e. Upgrade technology 	ng the top reaso	n). If the reas	sons identifie	ed below do n	ot apply to		
	 From 2007-2011, rank the top five reasons for investment from 1 to 5 ("1" bein all situations, please use "other" and specify. a. Replace old equipment b. Improve productivity c. Expand capacity d. Add new capability e. Upgrade technology f. Meet specific customer requirements 	ng the top reaso	n). If the reas	sons identifie	ed below do n	ot apply to		
	 From 2007-2011, rank the top five reasons for investment from 1 to 5 ("1" bein all situations, please use "other" and specify. a. Replace old equipment b. Improve productivity c. Expand capacity d. Add new capability e. Upgrade technology f. Meet specific customer requirements g. Comply with environmental or safety requirements 	ng the top reaso	n). If the reas	sons identifie	ed below do n	ot apply to		
	 From 2007-2011, rank the top five reasons for investment from 1 to 5 ("1" bein all situations, please use "other" and specify. a. Replace old equipment b. Improve productivity c. Expand capacity d. Add new capability e. Upgrade technology f. Meet specific customer requirements 	ng the top reason	n). If the reas	sons identifie	ed below do n	ot apply to		

Sect	ion 15.a	RES	EARCH AND DE	/ELOPMENT							
Rec	Record your company's total research and development (R&D) dollar expenditures and the percentage of total R&D expenditures relating to Defense and Commercial CAD/PAD business lines.										
Not	e: Lines b. through d. should equal 100%.										
	Source of R&D Reporting:						7				
	R&D Reporting Schedule:										
	Defense and Commercial Expenditures	2	007	2	008	2	009	2	010	2	011
		Defense	Commercial	Defense	Commercial	Defense	Commercial	Defense	Commercial	Defense	Commercial
	a. Total R&D Expenditures										
Α.	b. Basic Research [as a percent of a.]										
	c. Applied Research [as a percent of a.]										
	d. Product/Process Development [as a percent of a.]										
	e. % of Total R&D Expenditures relating to CAD/PAD business lines										
в	Who was the primary driver of your R&D, prime contractors or U.S. Gove	rnment custome	rs?								
C	Record the degree of compatibility of your Defense CAD/PAD-related <i>re</i>	search & develon	ment with Non	Defense cust	omers and ann	lications					
С.	Record the degree of compatibility of your belense CAD/PAD-related Te	seurch & develop		-Deletise cust		incations.					
	Comments:										
	comments.										
	BU	SINESS CONFIDEN	TIAL - Per Sectio	on 705(d) of t	he Defense Pro	duction Act					

Sect	Section 15.b RESEARCH AND DEVELOPMENT (cont.)						
Reco	rd yo	our company's total research and development (R&D) dollar ex	penditures by funding sources, a	as a percent of tota	I R&D dollars source	ed.	
		our company's annual Total R&D Expenditures and Total R&D endar year data is preferred.	Funding Sources do not match, e	explain the discrepa	ancy in the space pro	ovided.	
NOLE		Source of R&D Reporting:					
		R&D Reporting Schedule:					
		CAD/PAD R&D Funding Sources	2007	2008	2009	2010	2011
	a.	Total R&D Funding Sources					
	b.	Internal/Self-Funded/IRAD [as a percent of a.]					
Α.	с.	Total Federal Government [as a percent of a.]					
А.	d.	Total State and Local Government [as a percent of a.]					
	e.	Universities - Public and Private [as a percent of a.]					
	f.	U.S. industry, venture capital, non-profit [as a percent of a.]					
	g.	Non-U.S. investors [as a percent of a.]					
	h.	Other (specify)					
	Comments:						
	BUSINESS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act						

Г

Sect	ction 16 CUSTOMER C/	APABILITIES					
	Based on your experience, what trends have you observed about the following technical capabilities within U.S. Government						
A	customers (including Department of Defense, Indian Head,	Hill Air Force Base, and other USG customers)?					
	a. Preparation of technical specifications						
	b. Technical knowledge of your product						
	c. Technical discussion of ordnance application in their	system					
	d. Technical ability to evaluate proposed design and cor	npare					
	Based on your experience, what trends have you observed customers?	about the following technical capabilities within prime contractor					
_	a. Preparation of technical specifications						
В.	b. Technical knowledge of your product						
	c. Technical discussion of ordnance application in their	system					
	d. Technical ability to evaluate proposed design and cor	npare					
	Does your company find working with prime contractors o Explain below.	r U.S. Government customers more efficient?					
C.							
	Comments:						
	BUSINESS CONFIDENTIAL - Per S	ection 705(d) of the Defense Production Act					

		dvantages that U.S. firms might face.				
	Policy/Law/Regulation	Adjustment				
	a. Build to Print vs Performance Specifications					
	b. Competitive Bidding					
	c. Environmental and Safety Regulations					
A.	d. Export Controls					
А.	e. Government Competition					
	f. Lot Acceptance Testing					
	g. Procurement					
	h. Research and Development					
	i. Shipping Classifications					
	j. Small Business Asides					
	k. Small Business Innovative Research Program					
	I. Other (specify)					
	Identify the main issues and challenges affecting the long-term viability of your facility/plant's product line(s) or service(s). Select a response for each					
	issue/challenge.		·			
	Buy America Waivers	Labor Costs				
	Difficulty Obtaining Key Inputs (Materials, Services, etc.)	Proximity to Customer				
	Domestic Competition	Proximity to Supplier				
_	Environmental Regulations/Remediation	Qualifications/Certifications				
Β.	Export Controls	R&D Costs				
	Foreign Competition	Skills Retention				
	Foreign Subsidies/Import Restrictions	Taxes				
	Government Budget Volatility	Variability of Demand				
	Government Regulatory Burden	Other (specify)				
	Healthcare	Other (specify)				

			ſ			
Sect	ion 17.b U.S. GOVERNMENT POLICIES (cont.)					
	Has your company experienced lost sales due to export controls between the years 2007 to 2011? Explain below.	International Traffic in Arms Regulations (ITAR)				
Α.		Commerce Control List (CCL)				
В.	Has your company chosen not to bid, cancelled an existing contract, or terminated a business line due to export controls?					
D.						
C.	What recommendations would you provide for streamlining/improving the export control processes? Explain below.					
D.	Has mandated second sourcing been beneficial or non-beneficial to your company? Explain below.					
E.	What recommendations would you provide for improving the second-sourcing process? Explain below.					
F.	Will the declining U.S. military presence in Iraq and Afghanistan affect your company's CAD/PAD business? If "Yes", explain below.					
G.	Are you concerned with proposed or potential defense or U.S. Government budget cuts? If "Yes", explain below.					
0.						
	Comments:					
	BUSINESS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act					

Secti	on 17.c U.S. GOVERNMENT POLICIES (cont.)					
٨	Has your company been impacted by delays in Foreign Military Sales (FMS) payment and shipping? If "Yes", explain below.					
Α.						
В.	What percent of your firm's CAD/PAD-related exports are sold through direct FMS?					
C	Select the dollar range value of the FMS products you are currently storing for transport at your facility.					
C.						
D.	On average, how long do you store FMS products before transport/shipping?					
D.						
_	Is revenue recognized from FMS sales affected by delays in transporting the product to the customer? Explain below.					
E.						
_	What recommendations would you provide for streamlining the FMS payment and shipping process?					
F.						
	Comments:					
	BUSINESS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act					

Section 18 EFFECTIVENESS OF PREVIOUS ASSESSMENTS The 1995, 2000, and 2006 CAD/PAD Assessments made several recommendations. Please review the questions below regarding the previous Department of Commerce study recommendations. 1. Have you experienced an improvement in your relations with the CAD/PAD Joint Program Office? 2. Has the CAD/PAD Joint Program Office provided Defense Budget forecasts for CAD/PAD devices? 3. Has the CAD/PAD Joint Program Office briefed you on technical developments and new requirements? 4. Has the CAD/PAD Join Program Office provided a forum for you to discuss and address grivances? Have you experienced an improvement in your relations with the Labor Department's Office of Saftey and Health Administration 5. (OSHA)? 6. Have you experienced an improvement in your relations with the State Departments Export Control Branch? 7. Have you experienced an improvement in your relations with the Environmental Protection Agency (EPA)? Has the CAD/PAD Joint Program Office contracted out a larger portion of product development and improvement to the CAD/PAD 8. industrv? Has the CAD/PAD Joint Program Office implemented other policies that improved the CAD/PAD procurement environment? 9. 10. Have you experienced improvenments in the lot acceptance testing process? 11. Does industry receive at least 90 percent of overall CAD/PAD orders? 12. Are the Technical Exchange Workshops hosted by the CAD/PAD Joint Program Office useful to you, or do they need improvement? 13. Does second-sourcing of CAD/PAD business help or hurt your company? Comments: BUSINESS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act

Section 19	CERTIFICATION				
The undersigned certifies that the information herein suppl	ied in response to this questionnaire is complete and correct to the best of his/her knowledge. It is a				
criminal offense to willfully make a false statement or representation to any department or agency of the United States Government as to any matter within its					
urisdiction (18 U.S.C.A. 1001 (1984 & SUPP. 1197))					
Company Name					
Company's Internet Address					
Name of Authorizing Official					
Title of Authorizing Official					
E-mail Address					
Phone Number and Extension					
Date Certified					
In the box below, provide any additional comments or any o	other information you wish to include regarding this survey assessment.				
Would you like to receive a free copy of the final CAD/PAD					
report?					
How many hours did it take to complete this survey?					
BUSINESS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act					