implementation is secure. The responsible authority in each agency or department shall assure that an overall implementation provides an acceptable level of security. This standard will be reviewed every five years in order to assess its adequacy.

Waiver Procedure: Under certain exceptional circumstances, the heads of Federal departments and agencies may approve waivers to Federal Information Processing Standards (FIPS). The head of such agency may redelegate such authority only to a senior official designated pursuant to section 3506(b) of title 44, United States Code. Waiver will be granted only when:

a. Compliance with a standard would adversely affect the accomplishment of the mission of an operator of a Federal computer system; or

b. Compliance with a standard would cause a major adverse financial impact on the operator which is not offset by Governmentwide savings.

Agency heads may act upon a written waiver request containing the information detailed above. Agency heads may also act without a written waiver request when they determine that conditions for meeting the standard cannot be met. Agency heads may approve waivers only by a written decision which explains the basis on which the agency head made the required finding(s). A copy of each decision, with procurement sensitive or classified portions clearly identified, shall be sent to: National Institute of Standards and Technology; ATTN: FIPS Waiver Decisions, Technology Building, Room B–154, Gaithersburg, MD 20899.

In addition, notice of each waiver granted and each delegation of authority to approve waivers shall be sent promptly to the Committee on Government Operations of the House of Representatives and the Committee on Governmental Affairs of the Senate and shall be published promptly in the **Federal Register.**

When the determination on a waiver applies to the procurement of equipment and/or services, a notice of the waiver determination must be published in the Commerce Business Daily as a part of the notice of solicitation for offers of an acquisition or, if the waiver determination is made after that notice is published, by amendment to such notice.

A copy of the waiver, any supporting documents, the document approving the waiver and any accompanying documents, with such deletion as the agency is authorized and decides to make under 5 United States Code Section 552(b), shall be part of the procurement documentation and retained by the agency.

Where to Obtain Copies of the Standard: Copies of this publication are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161. When ordering, refer to Federal Information Processing Standards Publication 180–1 (FIPSPUB180–1), and identify the title. When microfiche is desired, this should be specified. Prices are published by NTIS in current catalogs and other issuances. Payment may be made by check, money order, deposit account or charged to a credit card accepted by NTIS.

[FR Doc. 95–9386 Filed 4–14–95; 8:45 am]

BILLING CODE 3510–CN–M

DEPARTMENT OF DEFENSE

Public Information Collection Requirement Submitted to the Office of Management and Budget (OMB) for Review

ACTION: Notice.

The Department of Defense has submitted to OMB for clearance, the following proposal for collection of information under the provisions of the Paperwork Reduction Act (44 U.S.C. Chapter 35).

Title and Applicable Form: Industrial Capabilities Questionnaire; DD Form X277.

Type of Request: Expedited Processing—Approval date requested: 30 days following publication in the **Federal Register**.

Number of Respondents: 7,500.

Responses per Respondent: 1.

Annual Responses: 7,500.

Average Burden per Response: 27 hours and 27 minutes.

Annual Burden Hours: 205,900.

Needs and Uses: The information collected hereby, will be used by the Department of Defense to perform industrial assessments required as part of its responsibility to encourage the maintenance of a diverse, healthy, and competitive industrial base capable of meeting Departmental needs. The proposed collection consolidates several information collections, including the attendant instruments of collection; i.e., OMB Control Numbers 0702–0037, ''Industrial Base Program Production Capacity, Crisis Production, and Industrial Facility Survey,'' which includes DD Forms 2575, 2575–1, and 2575–2; 0704–0352, ''Industrial Base Assessment Baseline and Update Questionnaires,'' which includes DD Forms 2649 and 2650; 0701–0115, ''Armament Sector Analysis of Precision Guided Munitions Questionnaire;'' and 0703–0033, ''Manufacturing Lead Time Production Solicitation and Occupational Survey.''

Affected Public: Businesses or other for-profit; Federal agencies or employees; and Small Businesses or Organizations.

Frequency: One time and On occasion.

Respondent's Obligation: Voluntary.

OMB Desk Officer: Mr. Peter N. Weiss.

Written comments and recommendations on the proposed information collection should be sent to Mr. Weiss at the Office of Management and Budget, Desk Officer for DoD, Room 10236, New Executive Office Building, Washington, DC 20503.

DOD Clearance Officer: Mr. William Pearce. Written requests for copies of the information collection proposal should be sent to Mr. Pearce, WHS/DIOR, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202–4302.

Dated: April 10, 1995.

Patricia L. Toppings,

Alternate OSD Federal Register Liaison Officer, Department of Defense.

BILLING CODE 5000–04–M

FOR OFFICIAL USE ONLY - BUSINESS SENSITIVE AND PROPRIETARY INFORMATION

INDUSTRIAL CAPABILITIES QUESTIONNAIRE

(Stocked and used by

Form Approved
OMB No.
Expires

Public reporting burden for this collection of information is estimated to average X 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, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (####-####), Washington, DC 20503.
PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO

I. FACILITY IDENTIFICATION | **DATA DATE**

1. COMPANY OR U.S. GOVERNMENT DEPARTMENT/FACILITY *(Manufacturing Site)*

a. NAME

b. ADDRESS
(1) STREET | (2) CITY | (3) STATE | (4) ZIP CODE | (5) COUNTRY

c. DUNS NUMBER | d. CAGE CODE | e. DODAAC NUMBER

f. STATUS OF OWNERSHIP *(X one)*
(1) COMMERCIAL FACILITIES
☐ PUBLICLY TRADED ☐ PRIVATELY HELD ☐ FOREIGN % OWNERSHIP
(2) GOVERNMENT FACILITIES
☐ GOGO ☐ GOCO

g. MANUFACTURING SITE POINT OF CONTACT
(1) NAME *(Last, First, Middle Initial)* | (2) TITLE
(3) TELEPHONE NUMBER *(Include area code)* | (4) FAX NUMBER *(Include area code)* | (5) SIGNATURE | (6) DATE SIGNED

h. GOVERNMENT REPRESENTATIVE *(Individual completing form)*
(1) NAME *(Last, First, Middle Initial)* | (2) TITLE
(3) TELEPHONE NUMBER *(Include area code)* | (4) FAX NUMBER *(Include area code)* | (5) SIGNATURE **DRAFT** | (6) DATE SIGNED
(7) ADDRESS
STREET | CITY | STATE | ZIP CODE

2. PARENT COMPANY OR GOVERNMENT HEADQUARTERS *(If any)*

a. NAME

b. ADDRESS
(1) STREET | (2) CITY | (3) STATE | (4) ZIP CODE | (5) COUNTRY

c. DUNS NUMBER | d. CAGE CODE | e. DODAAC NUMBER

f. POINT OF CONTACT
(1) NAME *(Last, First, Middle Initial)* | (2) TITLE
(3) TELEPHONE NUMBER *(Include area code)* | (4) FAX NUMBER *(Include area code)* | g. NAME OF PREVIOUS PARENT COMPANY IF CHANGED DURING THE PAST TWO YEARS

3. SUBSIDIARY OR DIVISION NAME *(If different from Item 1)*

a. NAME

b. ADDRESS
(1) STREET | (2) CITY | (3) STATE | (4) ZIP CODE | (5) COUNTRY

c. DUNS NUMBER | d. CAGE CODE | e. DODAAC NUMBER

f. POINT OF CONTACT
(1) NAME *(Last, First, Middle Initial)* | (2) TITLE | (3) TELEPHONE NUMBER *(Include area code)* | (4) FAX NUMBER *(Include area code)*

DD FORM X277, 950331 DRAFT

FOR OFFICIAL USE ONLY -
BUSINESS SENSITIVE AND PROPRIETARY INFORMATION

Page 1 of 18 Pages
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FOR OFFICIAL USE ONLY - BUSINESS SENSITIVE AND PROPRIETARY INFORMATION

II. OVERALL OPINIONS	CAGE CODE	DATA DATE

4. ISSUES/RECOMMENDATIONS

a. LIST ISSUES WHICH REQUIRE YOUR GREATEST ATTENTION CONCERNING THE ITEMS YOU SUPPLY FOR ULTIMATE USE BY THE GOVERNMENT, AND ENTER RECOMMENDED SOLUTIONS.

PRODUCT (1)	NSN/PART NUMBER (2)	ISSUE (3)	SOLUTION (4)
(a)			
(b)			
(c)			
(d)			

b. WHAT SEEMINGLY UNSOLVABLE MATERIALS OR PROCESS PROBLEMS SHOULD BE RESEARCHED? *(Include any suggestions for directing that research.)*

c. EXPLAIN THE IMPACT DEFENSE BUDGET REDUCTIONS HAVE HAD ON THIS FACILITY *(Sales, personnel, plant, and equipment).*

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5. INDUSTRIAL BASE ISSUES

(Indicate industrial base issues/problems that may be applicable to the facility. Attach additional information, if so desired. If an issue would limit the facility in a rapid production expansion, indicate by marking "X" in column b. Use additional copies of this page if more space is needed.)

ISSUE a.	LIMIT *(X)* b.	CAUSE c.	SUGGESTIONS FOR IMPROVEMENT d.
(1)			
(2)			
(3)			
(4)			

6. ADDITIONAL REMARKS *(Use additional copies of this page if more space is needed.)*

FOR OFFICIAL USE ONLY - BUSINESS SENSITIVE AND PROPRIETARY INFORMATION

SECTION A - FACILITY DESCRIPTION	CAGE CODE	DATA DATE

7. SITE DESCRIPTION

a. TYPE OF FACILITY *(X all that apply)*

- [ ] ASSEMBLY
- [ ] DISTRIBUTION
- [ ] CHEMICAL PROCESSING
- [ ] PARTS MANUFACTURING
- [ ] ENGINEERING
- [ ] OTHER *(Specify)*
- [ ] RESEARCH & DEVELOPMENT
- [ ] DEPOT LEVEL REPAIRS

b. PRODUCTION TYPE *(X)*

- [ ] MASS PRODUCTION
- [ ] JOB LOT
- [ ] CUSTOM

c. FLOOR SPACE *(Square feet)*		d. STORAGE *(Square feet)*			e. ACREAGE		
(1) USED	(2) UNUSED	(1) COVERED *(Outdoor)*	(2) UNCOVERED *(Outdoor)*	(3) TOTAL STORAGE *(Indoor)*	(1) TOTAL	(2) DEVELOPED	(3) AVAILABLE FOR EXPANSION

f. ARE MANUFACTURING FACILITIES LEASED? *(X one. If Yes, complete (1) - (3).)*

[ ] YES [ ] NO	(1) PERCENTAGE	(2) LEASEHOLDER	(3) EXPIRATION DATE *(YYMMDD)*

g. TRANSPORTATION

(1) *(X all that apply)*

- [ ] DEEP SEA
- [ ] INLAND WATERWAY
- [ ] AIRPORT
- [ ] RAIL
- [ ] MAJOR HIGHWAY
- [ ] OTHER *(Specify)*

(2) RESTRICTIONS *(If any)*

h. ENERGY REQUIRED FOR MANUFACTURING OPERATIONS *(X all that apply)*

[ ] GAS [ ] OIL [ ] ELECTRIC [ ] SOLAR [ ] OTHER *(Specify)*

8. ENVIRONMENTAL/SAFETY REQUIREMENTS

a. RANK ORDER OF EACH OF THE FOLLOWING ENVIRONMENTAL/SAFETY REQUIREMENTS THAT WILL IMPACT YOUR PLANS OR PRODUCTION CAPABILITY

NOW (a)	FIVE YEARS FROM NOW (b)	REQUIREMENT (c)	NOW (a)	FIVE YEARS FROM NOW (b)	REQUIREMENT (c)
		(1) CHLOROFLUOROCARBONS/OZONE DEPLETING SUBSTANCES			(8) ASBESTOS
		(2) NATIONAL ENVIRONMENTAL POLICY ACT (NEPA)			(9) NUCLEAR WASTE
		(3) VOLATILE ORGANIC COMPOUNDS	DRAFT		(10) CLEAN AIR ACT (CAA)
		(4) RESOURCE CONSERVATION RECOVERY ACT (RCRA)			(11) CLEAN WATER ACT (CWA)
		(5) TOXIC SUBSTANCES CONTROL ACT (TSCA)			(12) HAZARDOUS MATERIAL ACT
		(6) OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)			(13) OTHER *(Specify)*
		(7) HAZARDOUS AND SOLID WASTE AMENDMENTS (HSWA)			

b. INCLUDE YOUR PLANS OR YOUR ACTIONS TO ELIMINATE ASSOCIATED PRODUCTION RISKS AT YOUR FACILITY.

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SECTION B - BUSINESS PROFILE	CAGE CODE	DATA DATE

9. ANNUAL VALUE OF SALES *(Both Historic and Projected)*

	-4 (a)	-3 (b)	-2 (c)	-1 (d)	BASE YEAR _____ (e)	+1 (f)	+2 (g)
a. TOTAL *($ in Millions)*							
b. COMMERCIAL *(% of Total)*							
c. DIRECT FOREIGN SALES *(% of Total)*							
d. FOREIGN MILITARY SALES *(% of Total)*							
e. TOTAL U.S. GOVERNMENT *(% of Total)*							
(1) U.S. ARMY *(% of Government Total)*							
(2) U.S. NAVY *(% of Government Total)*							
(3) U.S. AIR FORCE *(% of Government Total)*							
(4) DEFENSE LOGISTICS AGENCY *(% of Government Total)*							
(5) BALLISTIC MISSILE DEFENSE ORGANIZATION *(% of Govt Total)*							
(6) NON-DOD U.S. GOVERNMENT *(% of Government Total)*							

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10. INVESTMENT AND BACKLOG *(Both Historic and Projected)*

	-4 (1)	-3 (2)	-2 (3)	-1 (4)	BASE YEAR _____ (5)	+1 (6)	+2 (7)
a. CAPITAL INVESTMENT							
b. TOTAL R&D INVESTMENT							
c. GOVERNMENT BACKLOG *($)*							
d. GOVERNMENT BACKLOG *(Months)*							
e. COMMERCIAL BACKLOG *($)*							
f. COMMERCIAL BACKLOG *(Months)*							

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SECTION C - LABOR	CAGE CODE	DATA DATE

11. CURRENT SITE EMPLOYMENT LEVELS

CATEGORY a.	NUMBER OF PERSONNEL b.	NUMBER OF PERSONNEL PER SHIFT			HOURS PER DAY f.	DAYS PER WEEK g.
		SHIFT 1 c.	SHIFT 2 d.	SHIFT 3 e.		
(1) OFFICE/SUPPORT						
(2) ENGINEERING						
(3) RESEARCH AND DEVELOPMENT						
(4) MANAGEMENT						
(5) DEPOT LEVEL REPAIR						
(6) TOTAL PRODUCTION						
(a) SKILLED						
(b) UNSKILLED						

12. EMPLOYMENT LEVELS OVER THE PAST FIVE YEARS AND PROJECTIONS

-4 a.	-3 b.	-2 c.	-1 d.	BASE YEAR _____ e.	+1 f.	+2 g.

13. TRADES, SKILLS OR PROFESSIONS MOST AFFECTED BY LOWER PRODUCTION RATES *(List trades, skills, or professions most affected by lower production rates associated with DoD or other Government products. X appropriate column to indicate how long it would take to rehire and/or retrain workers in these areas.)*

SKILL AREA a.	30 DAYS b.	1-3 MONTHS c.	3-6 MONTHS d.	6-12 MONTHS e.	1-2 YEARS f.	3-5 YEARS g.	5+ YEARS h.
(1)							
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							

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14. WILL ANY DECISIONS TO "MAKE OR BUY" BE CHANGED IN ORDER TO RETAIN LAID OFF WORKERS/PROFESSIONALS? *(Explain)*

☐ YES

☐ NO

15. UNIONS REPRESENTED IN YOUR FACILITY

UNION *(Spell out all acronyms)* a.	PERCENTAGE UNION b.	CONTRACT EXPIRATION DATE *(YYMMDD)* c.
(1)		
(2)		
(3)		
(4)		
(5)		
(6)		

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SECTION D - MATERIAL ISSUES	CAGE CODE	DATA DATE

16. STRATEGIC AND CRITICAL MATERIALS ESSENTIAL TO PRODUCTION *(Identify materials, special alloys, and composite materials which are essential to production by placing an X in column b. For marked items, list supplier and indicate whether foreign sourced (FS) or foreign dependent (FD). Indicate whether problems are currently being had or are anticipated, and indicate whether future demand will significantly affect U.S. demand for these materials (i.e., will there be a significant change in demand).)*

MATERIAL a.	ESSENTIAL TO PRODUCTION (X) b.	SUPPLIER c.	FS/FD d.	PROBLEMS CURRENT YEAR _____ e.	ANTICIPATE PROBLEMS IN 5 YEARS f.	AFFECT DEMAND (Yes/No) g.
(1) ALUMINUM						
(2) ANTIMONY						
(3) BERYLLIUM						
(4) CHROMIUM						
(5) COBALT						
(6) COLUMBIUM						
(7) DEPLETED URANIUM						
(8) GALLIUM						
(9) MANGANESE						
(10) NICKEL ALLOY						
(11) PLATINUM						
(12) RHENIUM						
(13) SILICON, HIGH PURITY						
(14) TANTALUM						
(15) TIN						
(16) TITANIUM						
(17) TUNGSTEN						
(18) VANADIUM						
(19) ZIRCONIUM						
(20) COMPOSITES:		DRAFT				
(21) OTHER:						

17. DESCRIPTION *(For any situation identified in columns d., e., and f., list the programs, materials, end items and part numbers, if known. Describe any problems and relate how your facility will position itself to eliminate associated production risks.)*

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SECTION E - PRODUCTION CAPABILITIES OF FACILITY	CAGE CODE	DATA DATE

18. PRODUCTION ITEMS

ITEM OR CLASS OF ITEM *(List those items or classes of items which account for a significant part of your production capacity and/or sales volume.)* a.	PERCENT OF CAPACITY b.	SHIFT BASIS *(1-8-5)* c.	PERCENT OF PRODUCTION ASSEMBLED FROM COMPONENTS OF OUTSIDE SOURCES d.
(1)			
(2)			
(3)			
(4)			
(5)			
(6)			
(7)			
(8)			
(9)			
(10)			
(11)			
(12)			

19. FUTURE EXPANSION PLANS OR CAPITAL EQUIPMENT PURCHASES *(Relate any future expansion plans or capital equipment purchases that would benefit the items listed in Item 18. Indicate costs, expected return on investment percentage, and implementation time frame, in months. Attach additional pages if more space is needed.)*

a. DESCRIPTION

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b. ESTIMATED COST	c. EXPECTED RETURN ON INVESTMENT *(%)*	d. IMPLEMENTATION TIME FRAME *(Months)*

20. CAPACITY/CAPABILITIES

	FABRICATION a.	ASSEMBLY b.	INSPECTION c.	TEST d.	DESIGN AND PROTOTYPING e.	TOTAL f.
(1) SQUARE FEET ALLOCATED *(SQF)*						
(2) WORK DAYS *(WKD)*						
(3) UTILIZATION *(UTL)*						
(4) SHIFT CONFIGURATION *(SFT)*						
(5) SPECIALIZED EQUIPMENT *(SPE)*						

REFERENCE CODES - CAPACITY/CAPABILITIES

SQF = Square feet allocated. For each area listed select the closest choice code and write that number in the appropriate space.

1 = Up to 2,500 sq. ft. **2** = Over 2,500 sq. ft. **3** = Over 10,000 sq. ft. **4** = Over 50,000 sq. ft. **5** = Over 100,000 sq. ft.

WKD = Work days (typical) for each area listed.

1 = Less than four **2** = four **3** = Five **4** = Six **5** = Seven

UTL = Utilization of space based on present shift configuration.

1 = Up to 20% **2** = Over 20% **3** = Over 40% **4** = Over 60% **5** = Over 80%

SFT = Shift configuration for each area listed.

1 = Up to one shift **2** = One to two shifts **3** = Up to three shifts

SPE = Specialized equipment. Equipment required to do normal functions within that area. Choose closest fit.

1 = Poor condition over 7 years old **2** = In good repair over 7 years old **3** = Traditional 3-7 years old
4 = Modern up to 3 years old **5** = State-of-the-Art up to 1 year old

FOR OFFICIAL USE ONLY - BUSINESS SENSITIVE AND PROPRIETARY INFORMATION

SECTION E - PRODUCTION CAPABILITIES OF FACILITY *(Continued)*	CAGE CODE	DATA DATE

21. MAJOR FACILITY CONSTRAINTS *(Using risk rank and constraint codes below, determine the risk ranking of this facility and select up to five constraint codes.)*

a. RISK RANK	b. TOP FIVE CONSTRAINTS *(High to low)*				

RISK RANK CODES

L = Low risk. Should be able to produce acceptable items beyond 5 years.
M = Medium risk. May face problems producing acceptable items in 2 to 5 years.
H = High risk. May face problems producing acceptable items in 0 to 2 years.

CONSTRAINT CODES *(Some of these constraints may be company/division versus product oriented; some apply to both company and product.)*

AM	Acquisition/merger - present or future concerns.	LI	Liability/litigations that affect production.
AP	Approval process too lengthy - causes slippage.	LL	Long lead/pacing item(s) that affect schedule.
AT	Aging tools, equipment, and/or processes.	LP	Low or no profits that may affect contracts.
BI	Business/economic issues affect production.	MO	Moves and major relocations - affecting output.
BV	Business volume is too low - future uncertain.	MV	Too many vendors - many sources cause problems.
CC	Critical component, part, assembly, etc.	OS	Occupational safety issues affect production.
CI	Capacity issues - limits may affect production.	PO	Policy issues not conducive to meeting goals.
CM	Critical material(s) may affect production.	PP	Proprietary process/material - only source.
CO	Cost issues impact production.	PQ	Production quality issues affect output.
CP	Capability issues - limits may affect output.	SC	Surge/crises/resupply - hinders output.
DO	Documentation/specifications may cause problems.	SK	Skilled labor required to sustain production.
DS	Diminishing manufacturing sources - economy, politics, etc.	SO	Sole source - only one capable of making product.
EN	Environmental issues affect production.	SS	Single qualified source - others could qualify.
FD	Foreign dependent - only source is outside U.S.A.	ST	Special tests and/or equipment a pacing item.
FS	Foreign source - by choice is outside U.S.A.	TH	Transportation/handling affects schedule.
GA	Government availability causes slippage.	TO	Tooling shortage - limited availability.
IO	Investment opportunity for improved output.	TT	Technology transfer - poor TT hinders production.
LA	Labor issues - unions, health, welfare, etc.	ZZ	Other *(Specify)*

22. MANUFACTURING CAPACITY NOW USED FOR COMMERCIAL WORK

a. *(X all that apply)*

	NOT APPLICABLE		ENTIRELY SEPARATE FROM DEFENSE WORK
	SAME USED FOR DEFENSE WORK		CAN BE CONVERTED TO DEFENSE WORK
	SAME USED FOR DEFENSE WORK EXCEPT FOR CERTAIN PROCESSES		CANNOT BE CONVERTED TO DEFENSE WORK

b. EXPLAIN

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23. ALTERNATE SUPPLIERS *(List alternate suppliers for any items you produce for which you do NOT intend to maintain production capability.)*

24. DO YOU FORECAST AN INCREASE OR REDUCTION OF MANUFACTURING CAPACITY? *(Explain)*

25. PURSUIT OF COMMERCIAL BUSINESS

a. IF YOUR DEFENSE SALES DECLINE, DO YOU INTEND TO PURSUE COMMERCIAL BUSINESS? *(X one)*		YES		NO

b. WHAT ARE THE MAJOR IMPEDIMENTS TO PURSUING COMMERCIAL BUSINESS?

FOR OFFICIAL USE ONLY - BUSINESS SENSITIVE AND PROPRIETARY INFORMATION

SECTION E - PRODUCTION CAPABILITIES OF FACILITY *(Continued)*	CAGE CODE	DATA DATE

26. WHAT ARE THE PROSPECTS FOR INCREASING FOREIGN MILITARY SALES OR OTHER FOREIGN SALES?

27. REDUCTION IN CONTRACTS/PLANT CLOSURE

a. DOES PRESENT CONCERN EXIST AS TO POSSIBLE LOSS OR REDUCTION IN CONTRACTS/PROGRAMS THAT MAY NECESSITATE CLOSURE OF THIS PLANT? *(X one and explain.)*

- [ ] YES
- [ ] NO

b. IF YES, WHICH CONTRACTS OR PROGRAMS ARE ABSOLUTELY VITAL TO YOUR SURVIVABILITY? *(X all that apply and explain.)*

- [ ] ARMY
- [ ] NAVY
- [ ] AIR FORCE
- [ ] DEFENSE LOGISTICS AGENCY
- [ ] BALLISTIC MISSILE DEFENSE ORGANIZATION
- [ ] COMMERCIAL DOMESTIC
- [ ] FOREIGN COMMERCIAL
- [ ] FOREIGN MILITARY
- [ ] OTHER

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28. ACTUAL CAPACITY UTILIZATION AND PROJECTIONS

CAPACITY UTILIZATION % = CURRENT PLANT OUTPUT / MAXIMUM PRODUCTION RATE *(1-8-5)*	-4 a.	-3 b.	-2 c.	-1 d.	BASE YEAR _____ e.	+1 f.	+2 g.
			%	%	%	%	%

29. FACILITY MODERNIZATION IMPROVEMENT PROGRAMS

a. FOR EACH CATEGORY BELOW, IDENTIFY CURRENT AND PROJECTED PERCENT OF GROSS SALES.

CATEGORY (a)	-4 (b)	-3 (c)	-2 (d)	-1 (e)	BASE YEAR _____ (f)	+1 (g)	+2 (h)
(1) FACILITY MODERNIZATION			%	%	%	%	%
(2) CAPITAL EQUIPMENT UPGRADES							
(3) MANUFACTURING/PROCESS TECHNOLOGY MODERNIZATION/R&D PROJECTS							
(4) COMPUTER SOFTWARE							

b. AT THIS PLANT, RANK THE TOP FIVE FACTORS WHICH INFLUENCE YOUR DECISION TO MAKE CAPITAL INVESTMENTS IN EITHER MACHINERY, FACILITIES OR TECHNOLOGIES.

	COST		INCREASE IN SALES *(Commercial and Government)*
	PROSPECTIVE BUSINESS		UPGRADING PRESENT MACHINERY TO COPE WITH TODAY'S TECHNOLOGY AND COMPETITION
	CONTRACT AWARDS		NEW REGULATORY REQUIREMENTS
	RETURN ON INVESTMENT		HEALTH/SAFETY/ENVIRONMENTAL REQUIREMENTS
	LONG TERM STRATEGIC PLAN		REPLACEMENT OF OBSOLETE EQUIPMENT
	MARKET DEMANDS		CHANGE IN MANUFACTURING OUTPUT
	EFFICIENCY		PERFORMANCE REQUIREMENTS

FOR OFFICIAL USE ONLY - BUSINESS SENSITIVE AND PROPRIETARY INFORMATION

SECTION E - PRODUCTION CAPABILITIES OF FACILITY *(Continued)*	CAGE CODE	DATA DATE

30. MAJOR PLANT EQUIPMENT *(Indicate general classes and quantities)*

CLASS OF EQUIPMENT *(e.g., lathes, NC machining center, industrial sewing machines, specialized assembly equipment.)* a.	QUANTITY - COMPANY OWNED		QUANTITY - GOVERNMENT OWNED	
	TOTAL b.	FOREIGN MADE c.	TOTAL d.	FOREIGN MADE e.
(1)				
(2)				
(3)				
(4)				
(5)				
(6)				
(7)				
(8)				
(9)				
(10)				
(11)				
(12)				
(13)				
(14)				
(15)				
(16)				

31. IS DEFENSE ESSENTIAL PLANT EQUIPMENT, MANUFACTURING TECHNOLOGIES, PATENTS OR SOFTWARE OWNED WHOLLY OR IN PART BY FOREIGN CONCERNS OR GOVERNMENTS? *(X one)*

(NOTE: "Defense Essential" = A capability necessary to meet defense requirements that would require major investment and/or significant time to recreate if lost.)

☐ YES *(Explain)*

☐ NO

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32. DEFENSE ESSENTIAL INSPECTION/TEST EQUIPMENT AND SPECIAL TOOLING *(List and indicate quantities)*

EQUIPMENT a.	QUANTITY - COMPANY OWNED		QUANTITY - GOVERNMENT OWNED	
	TOTAL b.	FOREIGN MADE c.	TOTAL d.	FOREIGN MADE e.
(1)				
(2)				
(3)				
(4)				
(5)				
(6)				
(7)				
(8)				
(9)				
(10)				
(11)				
(12)				
(13)				
(14)				
(15)				
(16)				

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SECTION F - TECHNOLOGY	CAGE CODE	DATA DATE

33. DOES YOUR FACILITY POSSESS OR IS IT DEVELOPING CAPABILITIES TO SUPPORT THE ADVANCED TECHNOLOGIES LISTED BELOW?

TECHNOLOGY a.	HAVE NOW (X) b.	HAVE IN 5 YEARS(X) c.	OWNERSHIP RIGHTS d.	DUAL USE (Yes/No) e.	PROGRAM USED ON f.
(1) INTEGRATED CAD/CAM/CIM					
(2) INTEGRATED CIRCUIT MANUFACTURING					
(3) OPTICAL APPLICATIONS					
(4) DNC/INTEGRATED MANUFACTURING					
(5) THERMAL SPRAYING					
(6) AUTOMATED HANDLING					
(7) FLEXIBLE MANUFACTURING SYSTEMS					
(8) LASER CUTTING/WELDING					
(9) CELLS/GROUP TECHNOLOGY					
(10) COMPOSITES, CERAMICS, AND POWDERED METALS					
(11) ROBOTICS					
(12) CNC MACHINERY					
(13) VISION/INSPECTION SYSTEMS					
(14) AUTOMATED TEST EQUIPMENT					
(15) BAR CODING					
(16) SEMICONDUCTOR MATERIALS & MICROELECTRONIC CIRCUITS					
(17) SOFTWARE ENGINEERING					
(18) HIGH PERFORMANCE COMPUTING					
(19) MACHINE INTELLIGENCE & ROBOTICS					
(20) SIMULATION & MODELING					
(21) PHOTONICS					
(22) SENSITIVE RADARS					
(23) PASSIVE RADARS					
(24) SIGNAL & IMAGE PROCESSING					
(25) SIGNATURE CONTROL					
(26) WEAPON SYSTEM ENVIRONMENT					
(27) DATA FUSION					
(28) COMPUTATIONAL FLUID DYNAMICS					
(29) AIR BREATHING PROPULSION					
(30) PULSED POWER					
(31) HYPERVELOCITY PROJECTILES & PROPULSION					
(32) HIGH ENERGY DENSITY MATERIALS					
(33) COMPOSITE MATERIALS					
(34) SUPERCONDUCTIVITY					
(35) BIOTECHNOLOGY					
(36) OTHER:					

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SECTION F - TECHNOLOGY *(Continued)*	CAGE CODE	DATA DATE

34. IMPLEMENTATION *(Describe your implementation of any technologies identified in Item 33.b. or c.)*

35. DUAL USE TECHNOLOGIES *(Explain dual use technologies identified in Item 33.e.)*

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36. OVERALL STATE OF YOUR MANUFACTURING TECHNOLOGY AS COMPARED WITH YOUR INDUSTRY *(X one and explain)*

- [ ] LEADING
- [ ] AVERAGE
- [ ] TRAILING

37. WILL TODAY'S PLANT EQUIPMENT BE ABLE TO SUSTAIN PRODUCTION OF FUTURE PROCUREMENTS DRIVEN BY ADVANCED TECHNOLOGIES? *(X one and explain)*

- [ ] YES
- [ ] NO

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SECTION F - TECHNOLOGY *(Continued)*	CAGE CODE	DATA DATE

38. ARE YOU WILLING TO SHARE TECHNOLOGY DEVELOPMENTS WITH OTHER GOVERNMENT CONTRACTORS? *(X one. If No, explain circumstances under which you would be willing to share technology developments.)*

☐ YES
☐ NO

39. HAS YOUR FACILITY RECENTLY HAD ANY SPECIAL RECOGNITION FOR INVENTIONS, INNOVATIONS, OR ACHIEVEMENTS?

INVENTIONS, INNOVATIONS, ACHIEVEMENTS OR PATENTS a.	POINT OF CONTACT NAME *(Last, First, Middle Initial)* b.	TELEPHONE NUMBER *(Include area code)* c.
(1)		
(2)		
(3)		
(4)	DRAFT	
(5)		

40. IS TECHNOLOGY DEVELOPMENT DRIVEN BY COMMERCIAL MARKET, DEPARTMENT OF DEFENSE (DOD), OR OTHER MARKET DEMANDS? *(Explain)*

41. HAS YOUR FACILITY EVER PARTICIPATED IN OR RECEIVED FUNDS FOR THE FOLLOWING:

	PROGRAM a.	YEAR b.	TECHNOLOGY c.	INITIAL INVESTMENT d.	RETURN ON INVESTMENT	
					PROJECTED e.	ACTUAL f.
(1) MS&T						
(2) IR&D						
(3) TITLE III						
(4) MODERNIZATION						
(5) TRP						
(6) SBIR						
(7) OTHER:						

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SECTION G - CUSTOMER BASE *(Use as many copies of this page as necessary to list customers which account for a significant amount of your sales volume.)*	CAGE CODE	DATA DATE

42. LIST YOUR CUSTOMERS, ITEMS YOU MANUFACTURE OR SERVICES YOU PROVIDE FOR THEM, AND CUSTOMER PRODUCT LINES SUPPORTED *(List companies and items other than those identified in Section H.)*

a. (1) NAME	(2) TELEPHONE NUMBER *(Incl. area code)*	(3) FAX NUMBER *(Include area code)*	
(4) STREET ADDRESS	(5) CITY	(6) STATE	(7) ZIP CODE
(8) POINT OF CONTACT NAME *(Last, First, Middle Initial)*	(9) TITLE		
(10) YOUR MANUFACTURED ITEM(S) *(Name and Part Number)* OR SERVICE(S) *(Include Depot level repair)*	(11) YOUR CUSTOMER'S PRODUCT LINE(S) *(Next higher assemblies)*		
(a)			
(b)			
(c)			
(d)			
(e)			
(f)			
b. (1) NAME	(2) TELEPHONE NUMBER *(Incl. area code)*	(3) FAX NUMBER *(Include area code)*	
(4) STREET ADDRESS	(5) CITY	(6) STATE	(7) ZIP CODE
(8) POINT OF CONTACT NAME *(Last, First, Middle Initial)*	(9) TITLE		
(10) YOUR MANUFACTURED ITEM(S) *(Name and Part Number)* OR SERVICE(S) *(Include Depot level repair)*	(11) YOUR CUSTOMER'S PRODUCT LINE(S) *(Next higher assemblies)*		
(a)			
(b)			
(c)			
(d)			
(e)			
(f)			
c. (1) NAME	(2) TELEPHONE NUMBER *(Incl. area code)*	(3) FAX NUMBER *(Include area code)*	
(4) STREET ADDRESS	(5) CITY	(6) STATE	(7) ZIP CODE
(8) POINT OF CONTACT NAME *(Last, First, Middle Initial)*	(9) TITLE		
(10) YOUR MANUFACTURED ITEM(S) *(Name and Part Number)* OR SERVICE(S) *(Include Depot level repair)*	(11) YOUR CUSTOMER'S PRODUCT LINE(S) *(Next higher assemblies)*		
(a)			
(b)			
(c)			
(d)			
(e)			
(f)			
d. (1) NAME	(2) TELEPHONE NUMBER *(Incl. area code)*	(3) FAX NUMBER *(Include area code)*	
(4) STREET ADDRESS	(5) CITY	(6) STATE	(7) ZIP CODE
(8) POINT OF CONTACT NAME *(Last, First, Middle Initial)*	(9) TITLE		
(10) YOUR MANUFACTURED ITEM(S) *(Name and Part Number)* OR SERVICE(S) *(Include Depot level repair)*	(11) YOUR CUSTOMER'S PRODUCT LINE(S) *(Next higher assemblies)*		
(a)			
(b)			
(c)			
(d)			
(e)			
(f)			

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SECTION H - MANUFACTURED ITEM *(Use a separate copy of Section H (all pages) for each item requested.)*				**CAGE CODE**	**DATA DATE**
43.a. ITEM NAME					
b. NATIONAL STOCK NUMBER (NSN)	**c. PART NUMBER (P/N)**	**d. OTHER IDENTIFIER**	**e. UNIT OF MEASURE**	**f. SHELF LIFE** *(Years)*	
g. PRODUCTION LINE *(Area designation)*		**44.a. PRODUCTION MAN-HOURS TO PRODUCE ITEM**	**b. ENGINEERING MAN-HOURS TO SUPPORT ITEM**		

45. CONTRACT(S) *(List information for each contract number in the appropriate column.)*

	(a)	(b)	(c)
a. CONTRACT OR PURCHASE ORDER NUMBER(S)			
b. AWARD DATE			
c. COMPLETION DATE			
d. TOTAL CONTRACT QUANTITY			
e.(1) PROCUREMENT ACTIVITY			
(2) DODAAC			
(3) POINT OF CONTACT NAME			
(4) TELEPHONE *(Incl. area code)*			
f. UNIT PRICE			
g. PROGRAM(S) SUPPORTED			
h. CUSTOMER (1) NAME			
(2) ADDRESS *(Street, City, State, ZIP Code)*		DRAFT	

46. OWNER OF TECHNICAL DATA PACKAGE (TDP) *(For manufactured item specified in Item 43)*

47. DO YOU HAVE DEPOT LEVEL REPAIR/REBUILD CAPABILITY FOR THIS ITEM? *(X if applicable)*

- [ ] REPAIR
- [ ] REBUILD

48. IS YOUR PLANT A SOLE/SINGLE SOURCE FOR THIS ITEM? *(X if applicable)*

- [ ] **SOLE SOURCE** *(The only known producer for the item; no other production capability exists.)*
- [ ] **SINGLE SOURCE** *(A qualified source identified by the contracting activity as the only source. However, other sources are known to have the capability to manufacture the item.)*

49. POSSIBLE ALTERNATE SOURCES

MANUFACTURER NAME a.	CAGE CODE b.	CITY c.	STATE d.	ZIP CODE e.	COUNTRY f.
(1)					
(2)					
(3)					
(4)					

50. MANUFACTURING LEAD TIME *(In weeks)*

a. GOVERNMENT INITIAL ORDER	b. GOVERNMENT REPEAT ORDER	c. COMMERCIAL INITIAL ORDER	d. COMMERCIAL REPEAT ORDER

DEFINITIONS:

MANUFACTURING LEAD TIME: The interval between date a manufacturer accepts a firm order and shipment date of first complete production unit.
GOVERNMENT: Produced to government/military specifications.
COMMERCIAL: Produced to commercial specifications.
INITIAL ORDER: Lead time required to design and produce a component within the state-of-the-art (without extensive Research & Development) by a manufacturer that has not previously produced the component.
REPEAT ORDER: Lead time required, after a complete break in product, to produce an item identical, except for minor changes, to one made on a previous order.

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SECTION H - MANUFACTURED ITEM *(Continued)*

NSN OR PART NUMBER	PRODUCTION LINE *(Area designation)*	CAGE CODE	DATA DATE

51. PRODUCTION CAPACITY RATES

DEFINITIONS

CURRENT PRODUCTION RATE:	Number of units being produced per month to meet current contractual requirements.
STAND ALONE:	Identify capability as if producing only this item and no others.
MAXIMUM PRODUCTION RATE:	Accelerated production with existing facilities and equipment in a peacetime environment. No declared national emergency.
CONCURRENT:	Consider all other ongoing or planned commercial and Government production.
INITIAL PRODUCTION:	Entries should be made as follows: If production will be 200 in the 7th month, your entry would be 200/7.
MINIMUM SUSTAINING RATE:	The lowest monthly production rate at which your plant can produce this item without increasing the unit cost on a 1-8-5 shift basis.
ECONOMIC ORDER QUANTITY:	The optimum (least cost) quantity of items which should be produced monthly.
COLD BASE:	A manufacturing facility/line that is not scheduled to be producing an item unless mobilization occurs.
WARM BASE:	Those producers with active production contracts for the item(s) under construction.

a. CURRENT PRODUCTION RATE	b. CURRENT SHIFT BASIS	c. ESTIMATED MONTH AND YEAR PRODUCTION LINE GOES COLD *(MM/YY)*

	SHIFT BASIS *(1-8-5, 2-8-5, 3-8-5, etc.)* d.	INITIAL PRODUCTION FROM COLD BASE *(Quantity/month achieved)* e.	MAXIMUM PRODUCTION RATE FROM WARM BASE *(Quantity/month achieved)* f.	MAXIMUM PRODUCTION RATE FROM COLD BASE *(Quantity/month achieved)* g.
(1) CONCURRENT				
(2) STAND ALONE				

h. MINIMUM SUSTAINING RATE	i. ECONOMIC ORDER QUANTITY

52. CRISIS REQUIREMENTS *(X one) (To be completed by Government personnel only when needed for crisis preparedness planning.)*

- [ ] PLANNING PERSONNEL HAVE DETERMINED A POTENTIAL DEMAND OF _____ PER MONTH.
- [ ] PLANNING PERSONNEL HAVE DETERMINED A POTENTIAL CUMULATIVE DEMAND OF _____ WITHIN _____ MONTHS.
- [ ] THERE ARE NO CRISIS REQUIREMENTS FOR THIS ITEM. DO NOT COMPLETE ITEM 53.

53. PRODUCTION BOTTLENECKS *(If your maximum concurrent production rate is less than 100% of the requirement in Item 52, identify any bottlenecks to fulfilling the indicated demand. Place in rank order if more than one bottleneck exists.)*

	BOTTLENECK OR PROBLEM a.	MONTHS TO FIX b.	COST TO FIX c.
(1)			
(2)	DRAFT		
(3)			
(4)			

54. SHARED LINE CAPACITY

a. DOES THIS ITEM SHARE LINE CAPACITY WITH OTHER ITEMS? *(X one)* [ ] YES [ ] NO

b. IF "YES", WERE THESE ITEMS USED IN DEVELOPING THE CONCURRENT RATES FOR THIS ITEM? *(X one)* [ ] YES [ ] NO

c. IF 54.b. IS "YES", IDENTIFY ALL ITEMS *(Government and commercial)* THAT WERE USED TO DEVELOP CONCURRENT RATES

	ITEM (1)	NSN OR PART NUMBER (2)
(a)		
(b)		
(c)		
(d)		

55. COST AND TIME TO REGENERATE PRODUCTION CAPABILITY *(Indicate cost and time to regenerate production capability after the production break periods below. Assume no preservation action taken by the Government)*

	PRODUCTION BREAK					
	3 MONTHS a.	6 MONTHS b.	12 MONTHS c.	24 MONTHS d.	36 MONTHS e.	48 MONTHS f.
(1) % OF LABOR LOST DURING BREAK						
COST TO REGENERATE AFTER BREAK:						
(2) FACILITY						
(3) LABOR						
(4) OTHER						
TIME TO REGENERATE AFTER BREAK						
(5) FACILITY						
(6) LABOR						
(7) TIME FOR FIRST UNIT DELIVERY AFTER BREAK						
(8) COST OF FIRST UNIT AFTER BREAK						

FOR OFFICIAL USE ONLY - BUSINESS SENSITIVE AND PROPRIETARY INFORMATION

SECTION H - MANUFACTURED ITEM *(Continued)*

NSN OR PART NUMBER	PRODUCTION LINE *(Area designation)*	CAGE CODE	DATA DATE

56. DEFENSE ESSENTIAL *("Defense Essential" is defined as a capability necessary to meet defense requirements that would require major investment and/or significant time to recreate if lost.)*

a. DEFENSE ESSENTIAL TRADES, SKILLS, OR PROFESSIONS

TRADE, SKILL, OR PROFESSION (1)	NUMBER CURRENTLY EMPLOYED (2)	NUMBER SHORTAGE		MONTHS TO HIRE (5)	MONTHS TO TRAIN (6)	COST TO TRAIN (7)
		CURRENT YEAR _____ (3)	+2 YEARS (4)			
(a)						
(b)						
(c)						
(d)						
(e)						

b. DEFENSE ESSENTIAL FACILITIES *(Identify and briefly describe defense essential facilities. Include estimated cost and time to replace these facilities. Indicate if owned wholly or in part by foreign concerns or governments.)*

c. DEFENSE ESSENTIAL PLANT EQUIPMENT *(Identify and briefly describe defense essential plant equipment. Include estimated cost and time to replace this equipment. Indicate if owned wholly or in part by foreign concerns or governments.)*

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d. DEFENSE ESSENTIALTECHNOLOGIES *(Identify and briefly describe defense essential technologies. Include estimated cost and time to replace these technologies.)*

e. SPECIAL ACTIONS REQUIRED TO MAINTAIN DEFENSE ESSENTIAL TRADES/SKILLS/PROFESSIONS, TECHNOLOGIES, FACILITIES, OR PLANT EQUIPMENT *(If any. Include estimated cost and time to accomplish the special action.)*

FOR OFFICIAL USE ONLY - BUSINESS SENSITIVE AND PROPRIETARY INFORMATION

SECTION H - MANUFACTURED ITEM *(Continued)*

NSN OR PART NUMBER	PRODUCTION LINE *(Area designation)*	CAGE CODE	DATA DATE

57. KEY SUBCONTRACTORS *(For each subcontractor that may inhibit you from meeting cost, schedule, or performance requirements, use an additional copy of this page.)*

a. SUBCONTRACTOR

(1) NAME		(2) POINT OF CONTACT NAME *(Last, First, Middle Initial)*		
(3) TELEPHONE NUMBER *(Include area code)*		(4) OTHER IDENTIFIER		
(4) STREET ADDRESS	CITY	STATE	ZIP CODE	COUNTRY

b. MANUFACTURED ITEM

(1) ITEM NAME	(2) NSN	(3) PART NUMBER

(4) MANUFACTURING LEAD TIME *(In weeks)*	(5) QUANTITY PER NEXT HIGHER ASSEMBLY	(6) UNIT COST

c. RISK RANK AND CONSTRAINTS *(Using codes below, determine the risk ranking of this facility and select up to five constraint codes.)*

(1) RISK RANK	(2) TOP FIVE CONSTRAINTS *(High to low)*				

RISK RANK CODES

- **L** = Low risk. Should be able to produce acceptable items beyond 5 years.
- **M** = Medium risk. May face problems producing acceptable items in 2 to 5 years.
- **H** = High risk. May face problems producing acceptable items in 0 to 2 years.

CONSTRAINT CODES *(Some of these constraints may be company/division versus product oriented; some apply to both company and product.)*

- **AM** Acquisition/merger - present or future concerns.
- **AP** Approval process too lengthy - causes slippage.
- **AT** Aging tools, equipment, and/or processes.
- **BI** Business/economic issues affect production.
- **BV** Business volume is too low - future uncertain.
- **CC** Critical component, part, assembly, etc.
- **CI** Capacity issues - limits may affect production.
- **CM** Critical material(s) may affect production.
- **CO** Cost issues impact production.
- **CP** Capability issues - limits may affect output.
- **DO** Documentation/specifications may cause problems.
- **DS** Diminishing manufacturing sources - economy, politics, etc.
- **EN** Environmental issues affect production.
- **FD** Foreign dependent - only source is outside U.S.A.
- **FS** Foreign source - by choice is outside U.S.A.
- **GA** Government availability causes slippage.
- **IO** Investment opportunity for improved output.
- **LA** Labor issues - unions, health, welfare, etc.
- **LI** Liability/litigations that affect production.
- **LL** Long lead/pacing item(s) that affect schedule.
- **LP** Low or no profits that may affect contracts.
- **MO** Moves and major relocations - affecting output.
- **MV** Too many vendors - many sources cause problems.
- **OS** Occupational safety issues affect production.
- **PO** Policy issues not conducive to meeting goals.
- **PP** Proprietary process/material - only source.
- **PQ** Production quality issues affect output.
- **SC** Surge/crises/resupply - hinders output.
- **SK** Skilled labor required to sustain production.
- **SO** Sole source - only one capable of making product.
- **SS** Single qualified source - others could qualify.
- **ST** Special tests and/or equipment a pacing item.
- **TH** Transportation/handling affects schedule.
- **TO** Tooling shortage - limited availability.
- **TT** Technology transfer - poor TT hinders production.
- **ZZ** Other *(Specify)*

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d. IF YOU IDENTIFIED CONSTRAINT CODE "EN", DESCRIBE THE ENVIRONMENTAL ISSUE

e. IF YOU IDENTIFIED CONSTRAINT CODE "SS", LIST ALTERNATE SOURCE(S) *(Include city, state, ZIP code, and country)*

f. IF YOU IDENTIFIED CONSTRAINT CODE "FS", IS THIS ITEM AVAILABLE DOMESTICALLY? *(X one)*

		(1) TIME TO QUALIFY A DOMESTIC SOURCE *(Months)*	(2) COST
☐	YES *(Complete (1) and (2))*		
☐	NO		

g. EXPLAIN IMPACT OF LOSS OF THIS SOURCE

INSTRUCTIONS FOR DD FORM X277, "INDUSTRIAL CAPABILITIES QUESTIONNAIRE"

NOTE TO ALL USERS: This form is used to collect industrial capability information. All in-house Government sources of information are to be searched for applicable data which is then entered on the form by Government personnel prior to presenting the form to contractors. Contractors may then be requested to verify the Government data and to supply any missing data for the form.

Participation by contractors is voluntary. The signatures attest that the information contained herein is provided for the sole purpose of gauging the adequacy of the U.S. industrial base in accordance with applicable laws and regulations. Further, the signatures indicate an awareness of the Government's dependence upon accurate data as a basis for appropriate and often costly measures to insure sufficient and timely support to our U.S. warfighters. The signatures hereon in no way bind the named firm(s) nor the Government in any contractual relationship, nor is acceptance to be construed as an agreement by industry to maintain production capability as indicated herein, nor is the Government obligated to contract with the named firm if procurement of the items specified herein is required. It is understood that access to this data will be limited to duly accredited officials of the Department of Defense who are subject to penalties for unlawful disclosure. The protection given to data relating to your facility under the espionage act and other statutes will confine accessibility within the Government to those responsible for the defense of the United States.

COVER - FACILITY IDENTIFICATION AND OVERALL OPINIONS

This cover identifies industrial base entity, location, size, parent, foreign ownership, and lets the Contractor identify any other important issues to the Government and recommend possible solutions.

1.a. Name of Company or U.S. Government Department/Facility. This is respondent's legal name and includes qualifiers such as division, subsidiary, and/or the next higher organizational entity. This block is the location about which information is being collected. Do not include information about off-site locations that have no capability to support requirements. Use the following abbreviations (no punctuation is required):

CO (Company)	CORP (Corporation)	DIV (Division)
INC (Incorporated)	IND (Industries)	INTL (International)
LTD (Limited)	MFG (Manufacturing)	SUB (Subsidiary)

1.b. Address. Street address includes post office box number, if used, as well as a physical street address, city, state, and zip code. Use standard two character abbreviations for states; use province instead of state if entity is Canadian. Nine digit zip codes are preferred for U.S. entities; 10 character zip codes for Canadian entities. Use the following abbreviations (no punctuation is required):

AVE (Avenue)	BLVD (Boulevard)	DR (Drive)
HWY (Highway)	LN (Lane)	ST (Street)
PO (Post Office)	RD (Road)	TNPK (Turnpike)
XWAY (Expressway)		

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1.c. DUNS Number. This is a nine character code assigned by Dun & Bradstreet Financial Services that identifies corporate entities.

1.d. CAGE Code. This is the acronym for Commercial and Government Entity. It is a five character, alphanumeric designator number and identifies contractors doing business with the Government, located in the U.S., Canada, NATO member nations, and other foreign governments. (The CAGE Code was formerly known as FSCM.) The CAGE Code whould also be entered in the appropriate block at the top right corner of all following pages. If a contractor facility has multiple CAGE Codes, contact the Industrial Analysis Support Office for assistance.

1.e. DODAAC. This is the Department of Defense Activity Address Code for the DCMC representative (DCMAO or DPRO). DODAAC listing is contained in DoD 4000.25-6-M, DoD Activity Address Directory.

1.f. Status of Ownership. Mark (X) the appropriate block. "Publicly Traded" should be marked if this company's stock is traded on the public stock exchange. Mark "Privately Held" if not a stock held company. "Foreign" is defined as a facility located in countries other than the United States or Canada. If "Foreign" has been marked, please indicate the percentage of foreign ownership.

1.f. *(Continued)* For Government owned facilities, mark either GOGO for Government Owned Government Operated or GOCO for Government Owned Contractor Operated.

1.g. Manufacturing Site Point of Contact: Name, Title, Telephone Number, Fax Number, Signature and Date. Enter the manufacturing site primary point of contact, job title, telephone and facsimile number, including area code. Indicate Defense Switched Network by using acronym "DSN". The primary point of contact should provide a signature and date.

1.h. Government Representative. Name, Title, Telephone Number, Fax Number, Address, Signature and Date. Government representative's name shall be the designated DCMC industrial base representative assigned to this entity. Include job title, telephone and facsimile number including area code. Indicate Defense Switched Network by using acronym "DSN". Address shall include street address, city, state, and zip code. The Government representative should provide a signature and date.

2.a. Name of Parent Company. This is the name of manufacturing site's parent company and/or the next higher organizational entity. Use abbreviations provided in the instructions for Item 1.a. If Government owned, this block should cite component's identity and command: i.e., U.S. Army Tank and Automotive Command; U.S. Navy, Naval Sea Systems Command; U.S. Air Force, Air Force Materiel Command.

2.b. Address. Enter the address for the parent company. Use abbreviations provided in the instructions for 1.b.

2.c. DUNS Number. Enter the DUNS Number for the parent company. See definitions in the instructions for 1.c.

2.d. CAGE Code. Enter the CAGE Code for the parent company. See definition in the instructions for 1.d.

2.e. DODAAC. Enter the DODAAC for the DCMC representative (DCMAO or DPRO) for the parent company location. See definition in the instructions for 1.e.

2.f. Primary Point of Contact. Enter the parent company point of contact, job title, telephone and facsimile number including area code. Indicate Defense Switched Network by using acronym "DSN".

2.g. Name of Previous Parent Company (If Changed in the Past Two Years). Self-explanatory.

3.a. Subsidiary or Division Name (if different from Item 1). Enter the manufacturing site's subsidiary or division name if different from Item 1 above. Use the abbreviations in the instructions for Item 1.a.

3.b. Address. Enter the address of the subsidiary or division. Use the abbreviations in the instructions for 1.b.

3.c. DUNS Number. Enter the DUNS Number for the subsidiary or division. See definition in the instructions for 1.c.

3.d. CAGE Code. Enter the CAGE Code for the subsidiary or division. See definition in the instructions for 1.d.

3.e. DODAAC. Enter the DODAAC for the DCMC representative (DCMAO or DPRO) for the subsidiary or division location. See definition in the instructions for 1.e.

3.f. Primary Point of Contact. Enter the subsidiary or division primary point of contact, job title, telephone and facsimile number including area code. Indicate Defense Switched Network by using acronym "DSN."

4.a.-c. Issues/Recommendations. Self-explanatory.

5. Industrial Base Issues. Self-explanatory.

6. Additional Remarks. Self-explanatory. This block may be used by the Government representative to annotate any areas of disagreement between the contractor and the Government regarding the information provided on the form.

SECTION A - FACILITY DESCRIPTION

This section provides physical information on the facility, such as type, floor space, acreage, transportation, energy, and the impact of environmental/safety requirements.

7.a. Type of Facility. Mark (X) all that apply.
Assembly - assembly of parts manufactured here or at other facilities.
Parts Manufacturing - fabrication of the majority of a part or item.
Research and Development - activities related to new items or prototypes.
Distribution - movement of items between geographic locations.
Engineering - activities related to already developed and manufactured items.
Depot Level Repair - activities related to major repair, rebuild, overhaul, upgrades and maintenance.
Chemical Processing - activity such as mixing, compounding, plating, distillation, extrusion, heat treatments, etc.
Other - If this block is marked, please explain.

7.b. Production. Mark (X) all that apply.
Mass Production - facility manufactures item or group of items on a continuous basis in large lots.
Job Lot - Facility manufactures items in low volume.
Custom - unique or specialized production on a low production rate.

7.c. Floor Space. Identify floor space in square feet. "Used" floor space is total floor space less unused floor space. "Unused" floor space is area that is vacant and could be used to expand production.

7.d. Storage. Identify "Covered (Outdoor)", "Uncovered (Outdoor)" and "Total Storage (Indoor)" in square feet. "Covered (Outdoor)" storage includes structures that provide protection from the elements as well as physical security.

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7.e. Acreage. Identify facility's total acreage, developed area, and area available for expansion. Developed area includes space occupied by buildings, assembly, production, test, and storage areas (aircraft hangars, drydocks, launch pads, firing ranges, etc.), traffic accesses, vehicle parking lots, drainage pools, and physical security barriers. Area available for expansion includes land readily available for construction without extensive site modification.

7.f. Leased Facilities. If "Yes", identify percent of leased facilities, leaseholder and lease expiration date.

7.g. Transportation. Identify all types of transportation used at this facility, including any restrictions that may apply, such as weight, height, and width limitations, noise/environmental regulations, tide levels, etc.

7.h. Energy Required. Identify types of energy that are required for plant operations.

8. Environmental/Safety Requirements. Rank order of any environmental/safety requirements that impact production now and/or potentially will impact production five years from now. Include a description of any actions you plan to take or recommend to overcome these issues.

SECTION B - BUSINESS PROFILE.

This section provides sales volume and business information. This information is only applicable to the facility where data is being collected, not the entire corporate entity.

9. Annual Value of Sales (Both Historic and Projected). Base year is the most recent calendar year for which complete data is available. Base year data is never projected, only actual.
a. Total Sales (in Millions) is the total of all commercial and Government sales for a calendar year.

SECTION B *(Continued)*

9.b.-e. Provide Percent breakdown of **Commercial, Direct Foreign Sales, Foreign Military Sales, and Total U.S. Government.** Provide Percent breakdown of Total U.S. Government into (1) Army, (2) Navy, (3) Air Force, (4) DLA, (5) Ballistic Missile Defense Organization, and (6) Non-DoD U.S. Government.

10. Investment and Backlog (Both Historic and Projected).
a. Capital Investment. Outlay of money to acquire or improve capital assets such as buildings and machinery.
b. Total R&D Investment. Outlay of money (independent and contract) to improve processes and formulas and the development of new and improved products.
c. Government Backlog (in dollars). The total Government work input (funded and unfunded) which is in excess of the current workload capability of the manufacturer at any given point in time.
d. Government Backlog (in months). Number of months to clear total Government backlog.
e. Commercial Backlog (in dollars). The known commercial work input which is in excess of the current workload capability of the manufacturer at any given point in time.
f. Commercial Backlog (in months). Number of months to clear commercial backlog.

SECTION C - LABOR.

This section is collected to ascertain the facility's labor base and the effect of the DoD budget by using site employment, historical, current and projected employment and production rates.

11. Current Site Employment Levels. Break down current site employment levels, including number of personnel, personnel by shift, hours per day, and days per week.

12. Employment Levels over the Past Five Years and Projections. Total employment at the end of each calendar year. Base year is the most recent calendar year for which complete data is available.

13. Trades, Skills, or Professions Affected by Lower Production Rates. Enter specific trades, skills, or professions. Use descriptive terms, e.g., software or radiological engineers, ballistic scientists, optical lens grinding technicians, etc. Indicate how long it would take to rehire and retrain these workers by marking the appropriate column.

14. Make or Buy Decisions. Mark "Yes" or "No" and explain.

15. Unions. Self-explanatory.

SECTION D - MATERIAL ISSUES.

This section identifies strategic and critical material that are essential to production and determines material availability trends and how they may affect end item production.

16.b. Essential to Production. Place an X in this column to indicate materials that are essential to DoD production at your facility. For those items marked in column b., provide information in columns c. through g.

16.c. Supplier. Provide the supplier name for any item marked in column a.

16.d. FS/FD. Indicate FS for materials with a source outside the U.S. or Canada by choice, FD for materials whose only qualified source is outside the United States or Canada.

16.e. and f. Problems. Indicate with an X if you have problems in the current year, or anticipate problems five years from now.

16.g. Affect Demand. Indicate if your use of any material will significantly affect U.S. demand.

17. Description. Self-explanatory.

SECTION E - PRODUCTION CAPABILITIES OF FACILITY

This section provides total production capacity and capability information for the facility. This section provides an understanding of investment patterns within the Industrial Base and what plant, inspection and test equipment is available.

18.a. Items or Classes of Items. Items are defined as systems, subsystems, components, equipment, supplies, or services; items can be manufactured at any tier associated with any sector of the Industrial Base that supports Defense or other Government requirements. Classes of items are general categories which are similar in design and manufacture but which may have different part numbers or specific values (e.g., resistors, capacitors, valves, tires, etc.). The items and classes of items listed in column a. should be those which account for a significant part of the facility's production capacity and/or sales volume and which have not been requested separately in Section H.

18.b. Percent of Capacity. List the percent of manufacturing facilities dedicated to the production of the items or classes of items listed in 18.a.

18.c. Shift Basis. Describe the shift currently in use to produce the items or classes of items listed in 18.a. using shift(s), hours per day, days per week (e.g., 1-8-5 means 1 shift per day, 8 hours per day, 5 days per week).

18.d. Percent of Production Assembled from Components of Outside Sources. Provide the percentage (based on cost) of manufactured components that are supplied by outside vendor(s) and used in the items or classes of items listed in 18.a.

19. Future Expansion Plans or Capital Equipment Purchases. Indicate which of the items listed in 18.a. will be affected by each future expansion/capital equipment purchase identified.

20. Capacity/Capabilities. Self-explanatory. Use the instructions and codes provided on form to fill out this item.

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21. Major Facility Constraints. Select all of the constraints to production that restrict or hamper the ability to produce at this facility.

22. Manufacturing Capacity Now Used for Commercial Work. Indicate whether the skills, processes, facilities and/or technologies used for commercial production can be used or converted for defense production.

23. Alternate Suppliers. Identify any item and list alternate suppliers if you do not intend to maintain production capability.

24. Forecast Increase or Reduction of Manufacturing Capacity. Self-explanatory.

25. Pursuit of Commercial Business. Self-explanatory.

26. Prospects for Increasing Foreign Sales. Self-explanatory.

27.a. Reduction in Contracts/Plant Closure. Self-explanatory.

27.b. Contracts Absolutely Vital to Survivability. Select all vital customers and connect contracts or programs with each one.

28. Actual Capacity Utilization and Projections. Indicate actual capacity utilization for the four previous years, the current year, and project capacity utilization for the two years into the future. Indicate the base year at the top of column e. Base year is the most recent calendar year for which complete data is available.

SECTION E *(Continued)*

28. *(Continued)* Maximum production rate (1-8-5) is defined as accelerated production with a 1-8-5 shift basis and existing facilities and equipment in a peacetime environment with no declared national emergency. Current plant output is defined as the average annual production.

29.a. Facility Modernization Improvement Programs. Provide percentage of gross sales applied to each category over the four previous years, the base year, and two projected years. Indicate the base year at the top of column (f). Base year is the most recent calendar year for which complete data is available.

29.b. Factors Influencing Capital Investments. Self-explanatory.

30. Major Plant Equipment. List and indicate number of company owned, Government owned major plant equipment.

31. Ownership of Defense Essential Equipment, Technologies, Patents, or Software. Self-explanatory.

32. Defense Essential Inspection/Test Equipment and Special Tooling. List and indicate number of company owned, Government owned, and foreign made inspection/test equipment and special tooling that is defense essential.

SECTION F - TECHNOLOGY

This section is designed to capture information relevant to this facility's existing/future capability to support advanced technologies.

33.b. Have Now. Mark (X) this column if your facility uses the technology now.

33.c. In 5 Years. Mark (X) this column if your facility will be using the technology in 5 years.

33.d. Ownership Rights. Indicate who has ownership rights to the selected technologies.

33.e. Dual Use. Indicate "Yes" if the selected technology is usable for both commercial and defense applications, "No" if not.

33.f. Program Used On. List the defense program that the selected technology is used on.

34. Implementation. If you marked any technologies in 33.b. or c., describe your implementation of those technologies.

35. Dual Use Technologies. If you identified any technologies in 33.e., explain any modifications to the technology that are required for dual use application, and list commercial applications.

36. Overall State of Manufacturing Technology. Characterize your overall state of manufacturing technology as compared with the rest of your industry as either "Leading," "Average," or "Trailing," and explain your reasons for this ranking.

37. Will Today's Plant Equipment Sustain Production of Future Procurements. Self-explanatory.

38. Share Technology. Self-explanatory.

39. Inventions, Innovations, or Achievements. Self-explanatory.

40. Technology Drivers. Explain which market demands drive your technology development and how it is driven.

SECTION F *(Continued)*

41. Participation in/Receipt of Government Funds. Provide information on the following programs:

MS&T - Manufacturing Science and Technology Program, formerly known as ManTech or Manufacturing Technology.

IR&D - Independent Research and Development.

Title III - Title III of the Defense Production Act. This program provides incentives to create or expand domestic production capability for new materiel essential to national defense.41.

Modernization - Any of several modernization programs, including Industrial Modernization Incentives Program (IMIP), Factory Modernization (FacMod), and Technology Modernization (TechMod).

TRP - Technology Reinvestment Program.

SBIR - Small Business Innovative Research Program.

SECTION G - CUSTOMER BASE

This section is collected to determine the manufacturer's commercial and Government customers which account for a significant amount of the facility's sales volume.

42. Customers, Items, Services and Product Lines. Self-explanatory.

SECTION H - MANUFACTURED ITEM

This section is used to gather item specific production capability data for items identified by DoD as critical to the U.S. and Canadian defense effort.

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43.a. Manufactured Item. Manufactured item may be a system, subsystem, component, equipment, supply or service. This item is always filled in by the Government requestor.

43.b. National Stock Number (NSN). List the National Stock Number for the item in 43.a., if applicable.

43.c. and d. Part Number or Other Identifier. List if no NSN has been assigned.

43.e. Unit of Measure. List for the item in 43.a. Examples are: Each, barrels, rounds, liters, inches, feet, etc.

43.f. Shelf Life. Enter in years for the end item.

44. Man-Hours. Self-explanatory.

45.a. Contract or Purchase Order Number(s). List for the end item identified in 43.a.

45.b. Award Date. List year, month, and day (YYMMDD) for each contract and/or purchase order for the end item.

45.c. Completion Date. List year, month, and day (YYMMDD) for each contract and/or purchase order for the end item; enter date for last item if multi-year delivery is in effect.

45.d. Total Contract Quantity. List for each contract and/or purchase order for the end item.

45.e.(1)-(4). Procurement Activity. Enter activity name, DODAAC, point of contact, and telephone number for each contract/purchase order identified in 45.a.-c.

45.f. Unit Price. List the contract prices for the end item associated with contracts/purchase orders listed in 45.a.

SECTION H *(Continued)*

45.g. Programs Supported. List the program that the end item supports (e.g., M1A1 tank, Mk50 torpedo, etc.). If unknown, identify Military Service or other Government Agency.

45.h. Customer. List the name and address for any customer that requires the item in 43.a.

46. Technical Data Package Owner. Identify the activity (Government or contractor) who owns the item's Technical Data Package (TDP). If Government, identify the specific activity. TDP's usually consist of operator's manuals, research and engineering data, technical drawings, and performance or design type documents.

47. Depot Level Repair/Rebuild Capacity. Self-explanatory.

48. Sole/Single Source. Mark the appropriate box. "Sole Source" is the only known producer for the item, no other production capability exists. "Single Source" is a qualified source identified by the contracting activity as the only authorized source.

49. Possible Alternate Sources. List possible alternate sources for the same type of item, including CAGE Code and City/State/ZIP Code/Country.

50. Manufacturing Lead Time. Indicate intervals in weeks.

51. Production Capacity Rates. Self-explanatory. Definitions are included on form.

52. Crisis Requirements. To be filled out by Government data requestor.

53. Production Bottlenecks. Complete only if Item 52 was completed.

54. Shared Line Capacity. Self-explanatory.

55. Cost and Time to Regenerate Production Capacity. Self-explanatory.

56.a. Defense Essential Trade, Skill, or Profession. For each manufactured item, identify the specific trade, skill, or profession that is defense essential, the number currently employed (required to meet contract commitments), any current or projected shortages (number needed to fill vacant positions). If shortages are identified, indicate the months to hire, months to train, and cost to train.

56.b. Defense Essential Facilities. For each manufactured item, identify any defense essential facilities, including extent of foreign ownership, and estimated cost and time to replace.

56.c. Defense Essential Plant Equipment. For each manufactured item, identify any defense essential plant equipment, including extent of foreign ownership, and estimated cost and time to replace.

56.d. Defense Essential Technologies. For each manufactured item, identify any defense essential technologies, including estimated cost and time to replace.

56.e. Special Actions. Self-explanatory.

57. Key Subcontractors. Use a separate page for each subcontractor that may inhibit the contractor from meeting cost, schedule, or performance requirements.

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