

# CURRENT INDUSTRIAL REPORTS SERIES

## 2010 MA334D — DEFENSE, NAVIGATIONAL, AND AEROSPACE ELECTRONICS DEFINITIONS AND SPECIAL INSTRUCTIONS

### 1. Scope of survey

This survey covers the manufacture of defense, navigational, and aerospace electronics and related products in the United States.

### 2. Figures to be reported

Companies with more than one establishment manufacturing the products covered by this survey are requested to complete a separate report form for each location. If you have not received a separate form for each of your establishments, please call the contact shown on the report form or write to the U.S. Census Bureau for additional forms. If you prefer reporting on a domestic consolidated basis, please call the contact shown on the report form.

#### a. Value of shipments

The figures on value of shipments should include the physical shipments of all products sold, transferred to other establishments within your company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges and returns. Shipments to your own branches should be assigned the same value as comparable sales to unaffiliated customers, i.e., the value includes an appropriate allocation of company overhead and profit. Products bought and resold without further manufacture should not be included in shipments.

Value of shipments should be reported in thousands of dollars.

#### Include:

- (1) All shipments, whether for domestic use or for export.
- (2) Shipments on consignments as well as for sale

- (3) Interplant transfers in which products are shipped from one plant of your company to another plant or sales branch.
- (4) Private brand units as well as your own company brand units.

#### Exclude:

- (1) Products manufactured for you by others
- (2) Products bought and resold without further manufacture by your company
- (3) Imports which are reshipped without further domestic manufacture

#### b. Research and development

Dollar shipments should reflect income from development, design, and engineering services performed by the reporting plant in connection with the manufacture of the products shipped, whether included in a single production contract, or contracted for separately, but intended as preparation for the manufacture of the specific products.

#### c. Columnar structure of report

When entering your figures on the report form, please be sure to report the information in the correct column as follows:

*Column 1* — Value (report shipments in thousands of dollars. Example: \$1,000,000, report as \$1,000)

### 3. Definitions

The product detail for this survey, as shown in the Reference List, is defined according to standard nomenclature for this survey.

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## DEFINITIONS AND SPECIAL INSTRUCTIONS — Continued

### 4. Comparability

Data reported in this survey should correspond to data reported in the Annual Surveys of Manufactures (form MA-10000). The sum of values for item codes shown in column (a) should correspond to dollar values reported under product class codes indicated in column (b) below.

Current Industrial Reports (Form MA334D) Item codes (a)	Annual Survey of Manufactures Product class codes (b)
4106 through 4162	3345111
4202 through 4390	3345113
6101 through 6119	3345192
7177	3333197
8379 through 8398	3333141

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## Reference List

FORM MA334D		DEFENSE, NAVIGATIONAL, AND AEROSPACE ELECTRONICS
Product code	Item code	Item description
		<b>AERONAUTICAL, NAUTICAL, AND NAVIGATIONAL INSTRUMENTS, EXCLUDING AIRCRAFT ENGINE INSTRUMENTS</b>
3345111106	<b>4106</b>	Compasses, altimeters, and airspeed indicators
3345111111	<b>4114</b>	Acceleration indicators, rate-of-climb and angle-of-attack indicators, and artificial horizon flight instruments
3345111115	<b>4122</b>	Other aerospace navigational instruments
3345111226	<b>4130</b>	Gyroscopes, sold separately
3345111232	<b>4138</b>	Airframe equipment instruments
3345111233	<b>4146</b>	Other aerospace flight instruments
3345111335	<b>4154</b>	Nautical instruments
3345111437	<b>4162</b>	Parts and components for aeronautical, nautical, and navigational instruments, excluding aircraft engine instruments.
<b>3345111</b>	<b>4199</b>	<b>Total aeronautical, nautical, and navigational instruments, excluding aircraft engine instruments (sum of item codes 4106—4162)</b>
		<b>SEARCH, DETECTION, NAVIGATION AND GUIDANCE SYSTEMS AND EQUIPMENT</b>
3345113101	<b>4202</b>	Light reconnaissance and surveillance electronic systems and equipment
3345113103	<b>4204</b>	IFF equipment
3345113207	<b>4210</b>	Search, detection, and acquisition radar systems and equipment: airborne and missile/space
3345113212	<b>4217</b>	Other search, detection, and acquisition radar systems and equipment
3345113318	<b>4231</b>	Tracking radar systems and equipment (fire control, bombing, bombing navigational radar aircraft and missile tracking radar, etc.)
3345113325	<b>4237</b>	Instrumentation radar systems and equipment (altimeters, highway speed control radar, missile and space satellite tracing range radar, GCA and other precision approach radar, etc.)
3345113426	<b>4251</b>	Sonar search, detection, tracing, and communications systems and equipment, guidance, including ASM (sonar telephone, communication equipment, depth finding, fire control, fusing, hydrophones, mapping, sonabuys, navigation, sonar fish finders, sonar range instrumentation, etc.)
3345113428	<b>4257</b>	Electronic checkout and monitoring equipment for radar, sonar search, detection, and communication systems and equipment
3345113433	<b>4258</b>	Specialized command and control equipment
3345113436	<b>4267</b>	Other search, detection, identification, and tracking systems and equipment
3345113437	<b>4272</b>	Countermeasures equipment: jamming, communications and radar
3345113441	<b>4278</b>	Other countermeasures equipment
3345113443	<b>4282</b>	Specialized electronic and communications intelligence equipment
3345113545	<b>4312</b>	Missile borne and space vehicle guidance systems
3345113547	<b>4322</b>	Nonmissile and space vehicle guidance systems

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FORM MA334D		
Product code	Item code	Item description
		<b>SEARCH, DETECTION, NAVIGATION, AND GUIDANCE SYSTEMS AND EQUIPMENT—Continued</b>
3345113549	<b>4332</b>	Electronic checkout, launching, and other missile and space support systems
3345113651	<b>4342</b>	Airborne navigational systems: radio navigation receivers and displays
3345113653	<b>4344</b>	Airborne navigational systems: airborne integrated data systems/flight recorders
3345113661	<b>4362</b>	Airborne navigational systems: inertial navigation systems
3345113668	<b>4369</b>	Other airborne navigational systems
3345113669	<b>4372</b>	Surface (ship and ground) navigational systems
3345113673	<b>4382</b>	Electronic checkout, monitoring, evaluation, and other electronic support equipment for navigational systems and equipment
3345113681	<b>4390</b>	All other search and detection navigation and guidance systems and equipment not specified above
<b>3345113</b>	<b>4399</b>	<b>Total search, detection, navigation and guidance systems and equipment (<i>sum of item codes 4202—4390</i>)</b>
		<b>AIRCRAFT ENGINE INSTRUMENTS, EXCLUDING FLIGHT</b>
3345192101	<b>6101</b>	Temperature sensors, transmitters, and displays
3345192104	<b>6104</b>	Pressure ratio and vacuum sensors, transmitters, controls, and displays
3345192114	<b>6117</b>	All other aircraft engine instruments
3345192115	<b>6119</b>	Parts and components for aircraft engine instruments, excluding flight
<b>3345192</b>	<b>6129</b>	<b>Total aircraft engine instruments (<i>sum of item codes 6101—6119</i>)</b>
<b>3333197</b>	<b>7177</b>	<b>ELECTRONIC TRAINERS AND SIMULATORS</b> <b>Electronic trainers and simulators, teaching machines, and teaching aids, including kits</b>
		<b>SIGHTING, TRACKING, AND FIRE CONTROL EQUIPMENT, OPTICAL-TYPE</b>
3333141101	<b>8379</b>	Made from lenses, prism, etc., produced in this plant
3333141103	<b>8389</b>	Made from purchased lenses, prisms, etc.
3333141104	<b>8390</b>	Sighting and tracking laser systems
3333141106	<b>8395</b>	Night visions goggles and equipment
3333141109	<b>8398</b>	Parts and accessories for sighting, tracking, and fire control equipment, optical-type
<b>3333141</b>	<b>8399</b>	<b>Total sighting, tracking, and fire control equipment (<i>sum of item codes 8379—8398</i>)</b>
		<b>SELECTED NONMANUFACTURING REVENUES</b>
9999998900	<b>9945</b>	Resales—Sales of products bought and sold without further manufacture, processing, or assembly
9997372000	<b>9960</b>	Software services
9997377230	<b>9965</b>	Systems integration revenues, including configuration, installation and site preparation, and custom programming
9999998041	<b>9970</b>	Research and development, testing and evaluation of systems and components

8/11/01