

## **AFTC – Arnold AFB TN Facts Sheet**

**Overview:** Arnold Air Force Base, located adjacent to Tullahoma, TN, is part of the Air Force Materiel Command (AFMC), which obligates approximately 70% of Air Force (AF) contract dollars. Arnold AFB is part of the **Air Force Test Center** (AFTC). The base is home to the Arnold Engineering and Development Complex (AEDC), the most advanced and largest complex of flight simulation test facilities in the world. The complex operates 43 aerodynamic and propulsion wind tunnels, rocket and turbine engine test cells, space environmental chambers, arc heaters, ballistic ranges and other specialist units.

The AEDC is an important national resource. It has contributed to the development of practically every one of the nation's top priority aerospace programs including the Atlas, Titan, Minuteman and Peacekeeper ICBMs, the space shuttle, space station, and Projects Mercury, Gemini and Apollo. Aircraft include the F-35 Lightning II Joint Strike Fighter, F-22A Raptor, A-10 Thunderbolt II, F-14 Tomcat, F-15 Eagle, F-16 Fighting Falcon, F/A-18 Hornet and F/A-18 Super Hornet, F-105 Thunderchief, F-111 Aardvark, F-117A Nighthawk, C-5 Galaxy, C-17 Globemaster III, C-141 Starlifter, B-1B Lancer, B-2 Spirit, B-52 Stratofortress, B-58 Hustler, X-15, X-29, X-32 and X-33, X-35, XB-70 Valkyrie. Satellites include NAVSTAR GPS, MAPS and GOES-M weather satellite. Missiles include the Polaris, Poseidon and Trident submarine-launched ballistic missiles, the Minuteman ICBMS plus the Tomahawk and Air-Launched Cruise Missiles and the Advanced Medium-Range Air-to-Air Missile.

AEDC strives to test and evaluate aircraft, missile and space systems and subsystems at the flight conditions they will experience during a mission to help customers develop and qualify the systems for flight, improve system designs and establish performance before production, and to help users troubleshoot problems with operational systems. AEDC also conducts a research and technology program aimed at developing advanced testing techniques and instrumentation and supporting the design of new test facilities. The continual improvement helps satisfy testing needs and keeps pace with rapidly advancing aircraft, missile and space system requirements.

**Mission of AFTC:** Headquartered at Edwards AFB, CA, AFTC leads the test and evaluation mission, conducting developmental test and evaluation of air, space, and cyber systems to provide timely, objective, and accurate information to decision makers. Organizations include: 96th Test Wing, Eglin AFB, FL; 412th Test Wing, Edwards AFB, CA; and AEDC, Arnold AFB, TN.

TOP 10 NAICS CODES – FY 15 Requirements	
NAICS	NAICS CODE DESCRIPTION
541330	ENGINEERING SERVICES
541712	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)
334515	INSTRUMENT MANUFACTURING FOR MEASURING AND TESTING ELECTRICITY AND
238210	ELECTRICAL CONTRACTORS AND OTHER WIRING INSTALLATION CONTRACTORS
335311	POWER, DISTRIBUTION, AND SPECIALTY TRANSFORMER MANUFACTURING
236220	COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION
238220	PLUMBING, HEATING, AND AIR-CONDITIONING CONTRACTORS
541611	ADMINISTRATIVE MANAGEMENT AND GENERAL MANAGEMENT CONSULTING
333912	AIR AND GAS COMPRESSOR MANUFACTURING
333316	PHOTOGRAPHIC AND PHOTOCOPYING EQUIPMENT MANUFACTURING

See the detailed Top 25 NAICS and PSC tables on the next pages.

## Arnold AFB Top 25 NAICS Codes in FY2015

	NAICS	NAICS DESCRIPTION	OTSB	SB	Grand Total
1	541330	ENGINEERING SERVICES	\$290,291,910	\$350,000	\$290,641,910
2	541712	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)	\$1,008,000	\$10,604,419	\$11,612,419
3	334515	INSTRUMENT MANUFACTURING FOR MEASURING AND TESTING ELECTRICITY AND ELECTRICAL SIGNALS		\$4,259,785	\$4,259,785
4	238210	ELECTRICAL CONTRACTORS AND OTHER WIRING INSTALLATION CONTRACTORS	\$4,005,692	\$0	\$4,005,692
5	335311	POWER, DISTRIBUTION, AND SPECIALTY TRANSFORMER MANUFACTURING	\$3,251,711		\$3,251,711
6	236220	COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION		\$2,069,612	\$2,069,612
7	238220	PLUMBING, HEATING, AND AIR-CONDITIONING CONTRACTORS	\$1,010,603	\$895,719	\$1,906,322
8	541611	ADMINISTRATIVE MANAGEMENT AND GENERAL MANAGEMENT CONSULTING SERVICES		\$1,733,041	\$1,733,041
9	333912	AIR AND GAS COMPRESSOR MANUFACTURING		\$722,680	\$722,680
10	333316	PHOTOGRAPHIC AND PHOTOCOPYING EQUIPMENT MANUFACTURING	\$650,672	\$28,956	\$679,628
11	332710	MACHINE SHOPS		\$655,900	\$655,900
12	332911	INDUSTRIAL VALVE MANUFACTURING		\$620,449	\$620,449
13	333415	AIR-CONDITIONING AND WARM AIR HEATING EQUIPMENT AND COMMERCIAL AND INDUSTRIAL REFRIGERATION EQUIPMENT MANUFACTURING	\$602,592		\$602,592
14	334513	INSTRUMENTS AND RELATED PRODUCTS MANUFACTURING FOR MEASURING, DISPLAYING, AND CONTROLLING INDUSTRIAL PROCESS VARIABLES	\$48,380	\$546,489	\$594,869
15	333923	OVERHEAD TRAVELING CRANE, HOIST, AND MONORAIL SYSTEM MANUFACTURING		\$529,563	\$529,563
16	334516	ANALYTICAL LABORATORY INSTRUMENT MANUFACTURING		\$467,906	\$467,906
17	541511	CUSTOM COMPUTER PROGRAMMING SERVICES		\$402,944	\$402,944
18	541310	ARCHITECTURAL SERVICES		\$401,203	\$401,203
19	332999	ALL OTHER MISCELLANEOUS FABRICATED METAL PRODUCT MANUFACTURING		\$392,107	\$392,107
20	333314	OPTICAL INSTRUMENT AND LENS MANUFACTURING	\$29,120	\$361,011	\$390,131
21	238160	ROOFING CONTRACTORS		\$379,644	\$379,644
22	334419	OTHER ELECTRONIC COMPONENT MANUFACTURING	\$273,683		\$273,683
23	561210	FACILITIES SUPPORT SERVICES		\$253,253	\$253,253
24	333517	MACHINE TOOL MANUFACTURING	\$143,776		\$143,776
25	333612	SPEED CHANGER, INDUSTRIAL HIGH-SPEED DRIVE, AND GEAR MANUFACTURING	\$114,517		\$114,517
	ALL OTHERS		\$203,637	\$313,517	\$517,154
	<b>Grand Total</b>		<b>\$301,634,293</b>	<b>\$25,988,199</b>	<b>\$327,622,492</b>

## Arnold AFB Top 25 PSC Codes in FY2015

	PSC	PSC DESCRIPTION	OTSB	SB	Grand Total
1	AZ16	R&D- OTHER RESEARCH AND DEVELOPMENT (MANAGEMENT/SUPPORT)	\$288,359,565		\$288,359,565
2	AD95	R&D- DEFENSE OTHER: OTHER (OPERATIONAL SYSTEMS DEVELOPMENT)	\$1,115,480	\$10,604,419	\$11,719,899
3	6625	ELECTRICAL AND ELECTRONIC PROPERTIES MEASURING AND TESTING INSTRUMENTS		\$4,668,526	\$4,668,526
4	Z2EZ	REPAIR OR ALTERATION OF OTHER INDUSTRIAL BUILDINGS	\$3,105,625	\$549,211	\$3,654,836
5	6150	MISCELLANEOUS ELECTRIC POWER AND DISTRIBUTION EQUIPMENT	\$3,212,182		\$3,212,182
6	Z2JZ	REPAIR OR ALTERATION OF MISCELLANEOUS BUILDINGS	\$1,010,603	\$1,482,169	\$2,492,772
7	R408	SUPPORT- PROFESSIONAL: PROGRAM MANAGEMENT/SUPPORT		\$2,033,041	\$2,033,041
8	L099	TECHNICAL REPRESENTATIVE- MISCELLANEOUS	\$1,932,344		\$1,932,344
9	Z2AA	REPAIR OR ALTERATION OF OFFICE BUILDINGS	\$900,067	\$214,478	\$1,114,545
10	Y1JB	CONSTRUCTION OF TESTING AND MEASUREMENT BUILDINGS		\$901,484	\$901,484
11	3417	MILLING MACHINES	\$143,776	\$655,900	\$799,676
12	4310	COMPRESSORS AND VACUUM PUMPS		\$722,680	\$722,680
13	6650	OPTICAL INSTRUMENTS, TEST EQUIPMENT, COMPONENTS AND ACCESSORIES		\$652,284	\$652,284
14	6720	CAMERAS, STILL PICTURE	\$650,672		\$650,672
15	4820	VALVES, NONPOWERED		\$620,449	\$620,449
16	4110	REFRIGERATION EQUIPMENT	\$602,592	\$0	\$602,592
17	3950	WINCHES, HOISTS, CRANES, AND DERRICKS		\$529,563	\$529,563
18	AJ23	R&D- GENERAL SCIENCE/TECHNOLOGY: MATHEMATICAL/COMPUTER SCIENCES (ADVANCED DEVELOPMENT)		\$402,944	\$402,944
19	C211	ARCHITECT AND ENGINEERING- GENERAL: LANDSCAPING, INTERIOR LAYOUT, AND DESIGNING		\$401,203	\$401,203
20	9515	PLATE, SHEET, STRIP, FOIL, AND LEAF	\$0	\$392,107	\$392,107
21	7010	ADPE SYSTEM CONFIGURATION	\$345,375		\$345,375
22	R499	SUPPORT- PROFESSIONAL: OTHER		\$253,253	\$253,253
23	5998	MISCELLANEOUS COMMUNICATION EQUIPMENT	\$0	\$177,844	\$177,844
24	Z2NZ	REPAIR OR ALTERATION OF OTHER UTILITIES		\$163,823	\$163,823
25	Z2LB	REPAIR OR ALTERATION OF HIGHWAYS/ROADS/STREETS/BRIDGES/RAILWAYS	\$0	\$144,578	\$144,578
All Others			\$256,011	\$418,242	\$674,253
<b>Grand Total</b>			<b>\$301,634,293</b>	<b>\$25,988,199</b>	<b>\$327,622,492</b>