



Air Force Civil Engineer Support Agency

Tyndall Air Force Base, Florida

To Our Valued Customers:

The Air Force Civil Engineer Support Agency exists primarily to support the men and women at base-level civil engineer units and major commands worldwide. The agency consists of functional experts for almost every facet of Air Force civil engineering. From contingency and technical support to the challenges of daily operations, our experts know what it takes to accomplish the civil engineering mission. We help provide base civil engineers with the right equipment and concepts to accomplish the mission, which includes maintaining flightlines for the world's most respected air and space force; housing and dormitories for our Air Force family; and the infrastructure needs of our bases.

This brochure informs customers about the many tools, products and services available from Team AFCESA. Whether you are an element leader, a flight chief, a base civil engineer, a major command civil engineer, or one of our civilian colleagues doing civil engineering business with the Air Force, we stand ready to serve your needs.

Please use the telephone directory located in the back of this brochure to contact us, or point your World Wide Web browser to the agency's home page (<http://www.afcesa.af.mil>) where you'll find an abundance of information about us and other ways to contact us. We won't hesitate to find an answer to your question or give you sound advice on any civil engineering matter — whatever you need. Guaranteed.

Team AFCESA

WHO WE ARE

The organization known today as the Air Force Civil Engineer Support Agency was established in 1966. Today, we are a specialized team of technical and professional experts specializing in readiness, training, fire protection, management analysis, systems engineering, computer automation, and equipment and supply management. The agency has five directorates: Contingency Support, Technical Support, Field Support, Operations Support and Executive Support.

The agency's goal is to maximize air base readiness by establishing and implementing focused management, professional and technical expertise, and technology products to prepare the base civil engineer for rapid and effective contingency support. Readiness remains "Job One" for the men and women of the agency.

The agency is dedicated to enhancing the capabilities of base civil engineers, major commands, the Air Force civil engineer and the Department of Defense.

Headquartered at Tyndall Air Force Base, Fla., the Air Force Civil Engineer Support Agency employs more than 200 military, civilian and contractor personnel, professionals primarily in engineering and technical fields.

VISION

Air Force Civil Engineer Support Agency — the customer's choice for quality and timely support in contingency, operational and technical services.

MISSION

Provide the best tools, practices and professional support to maximize Air Force civil engineer capabilities in base and contingency operations.

CORE VALUES

Integrity based upon professional ethics; Respect for our customers and our people; Courage to innovate and take risks; Dedication to excellence; Commitment to mission readiness and quality customer service.

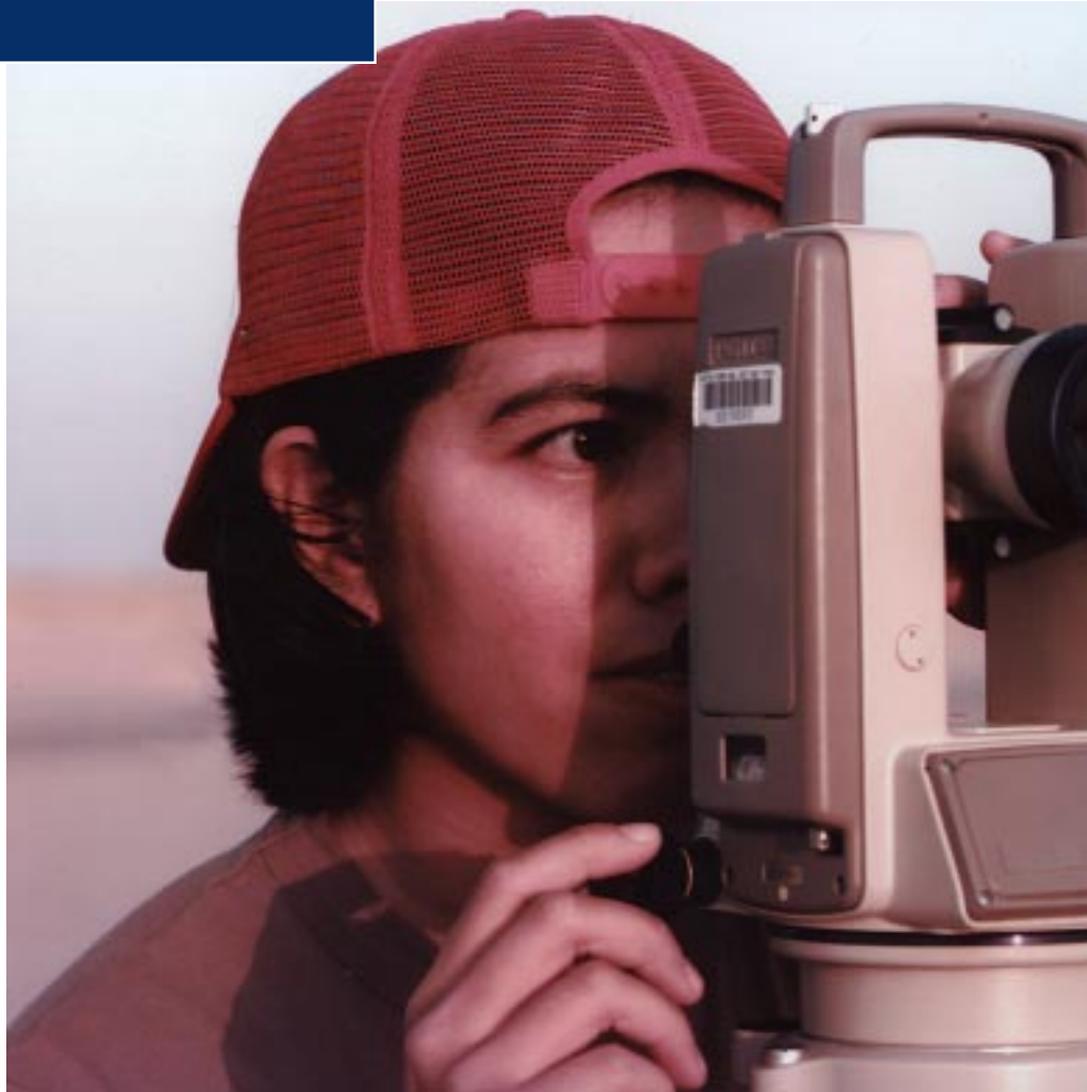


Lisa Carroll

Product Areas

The Air Force Civil Engineer Support Agency provides products and services in seven major product areas: readiness; training; vehicles and equipment; management practices; automation support; technical support; and research, development and acquisition consultation.

Pat Toombs



READINESS

Maximizes air base readiness by ensuring Air Force civil engineer personnel are organized, trained and equipped to deploy in times of crises.

TRAINING

Civil engineering leads the Air Force in this area largely because of the agency's effort to provide training systems that ensure mission capable military and civilian engineers. Our vision is to use the latest technologies to provide mission ready training to the civil engineering workforce using state-of-the-art technology such as computer-based training and multimedia training systems.

VEHICLES and EQUIPMENT

The Air Force Civil Engineer Support Agency helps provide base civil engineers with the best equipment and vehicles delivered at the lowest possible cost.

MANAGEMENT PRACTICES

The agency's management analysts provide work-force multipliers and productivity enhancements to help base civil engineers do the job better, faster and cheaper. The contract support team clearly leads the way in enhancing base civil engineers' capabilities through delivery of superior service contract, outsourcing and privatization tools.

AUTOMATION SUPPORT

AFCESA continues to excel in its efforts to bed down the next generation base civil engineer computer automation system to keep civil engineers in the fast lane of the automation superhighway. We've managed the installation of local area networks for civil engineer units at 90 Air Force bases worldwide, and we're developing the next-generation civil engineering software.

TECHNICAL SUPPORT

The agency's unique team of professional engineers and technicians provides highly specialized technical support for a full range of infrastructure systems and programs in support of Air Force initiatives.

RESEARCH, DEVELOPMENT, AND ACQUISITION CONSULTATION

AFCESA provides the bridge between major commands and base civil engineers' requirements and product development by serving as the user's technical representative.



U.S. Air Force photo

Contingency Support Directorate

- * Ensures all civil engineering specialists are trained and equipped to deploy anywhere in the world.

- * Coordinates with war planners from the Air Force and other services to ensure engineer forces are accurately reflected in U.S. war plans.

- * Operates the Civil Engineer Readiness Center, coordinating engineer support activities worldwide.

What We Provide Our Customers:

- Explosive Ordnance Disposal – Overall management of explosive ordnance disposal program for the Air Force; preparation of instructions; determination of manpower, training and equipment requirements; oversight for distribution of newly developed equipment and explosive ordnance disposal specialized systems; and assistance in research, development and acquisition.

- Fire Protection — Executive leadership, functional management and technical guidance and assistance of all Air Force fire protection activities, operations and resources; oversight responsibility for fire protection research and development, and operations; also, immediate supervision for the management of all Air Force-level fire protection issues in the Department of Defense.

- Readiness — Management of all Air Force-level Prime BEEF and RED HORSE programs; technical expertise, management, development and planning in all civil engineering readiness facets of: disaster preparedness; explosive ordnance disposal; air base operability; conventional warfare; camouflage, concealment and deception procedures; and nuclear, biological and chemical-warfare defense.

- Administration of the Air Force Contract Augmentation Program.

- Planning and execution of the biennial combat support contingency skills competition, “Readiness Challenge.”





Air Force Contract Augmentation Program

The Air Force Contract Augmentation Program is managed by the Air Force Civil Engineer Support Agency and provides installation support for noncombat military operations other than war.

The program's contractor can provide the majority of installation support capabilities that Air Force commanders would expect from civil engineering and services specialists. The program serves as a force multiplier by freeing up Air Force people to hone their combat skills, care for people, and modernize facilities and equipment.

Air Force Civil Engineer Support Agency experts work to put this program into action when needed.

A guide explaining the program is available on the Air Force Civil Engineer Support Agency home page (<http://www.afcesa.af.mil/>) or call the Contingency Support Directorate at 850-283-6124 to find out how you can obtain a copy.

BACKGROUND

Initial response to a military operation other-than-war or an exercise scenario will be assigned to military forces. As these forces establish a base of operations and extended activities are likely to occur, sustainment from the Air Force Contract Augmentation Program is a resource option. The program provides a complete range of civil engineer support, except fire/crash rescue and explosive ordnance disposal. It also allows for services support, except mortuary affairs and field exchanges.

Technical Support Directorate

* Establishes standards and criteria for life-cycle planning, programming, design, construction, operation, maintenance, repair and revitalization of base infrastructure.

* Assists major commands and installations in assessing the condition of and developing strategies and plans for upgrade of Air Force infrastructure systems.

What We Provide Our Customers:

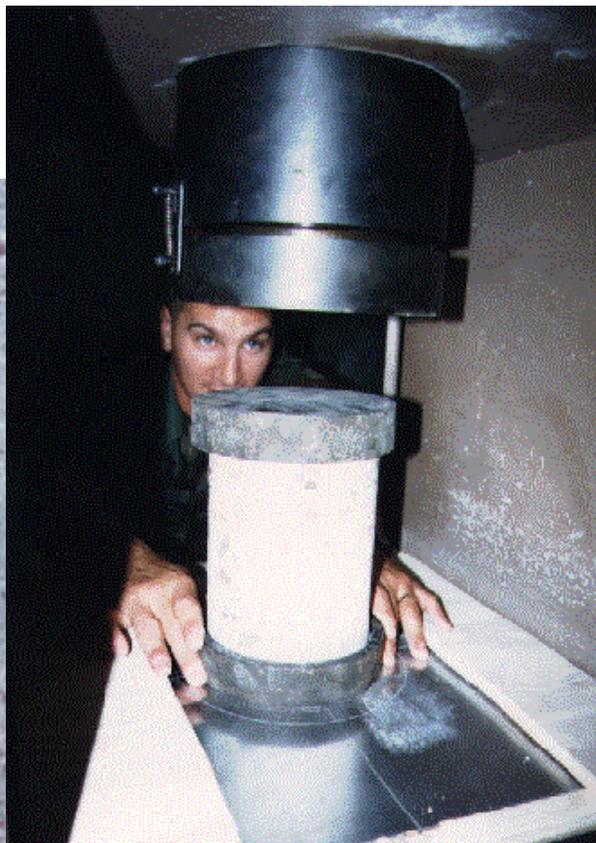
- **Civil Engineering** — Standards and criteria for design, operations and maintenance, and infrastructure condition evaluations and assessments; expertise in structural, water, wastewater, drainage and pavement systems, as well as in airfield marking, arresting and barrier systems; complete airfield pavement analyses for Air Force bases worldwide.

- **Electrical Engineering** — Life-cycle engineering and expertise for electrical utilities, power-generation systems, and electrical and communications distribution systems; direction and implementation of energy, utility rates management, industrial water treatment and corrosion control programs.

- **Mechanical Engineering** — Life-cycle responsibility, standards and criteria for mechanical utilities, including: natural gas, oil and coal-fired central steam and high-temperature hot water generating plants and distribution systems; pressure vessels; central chilled-water plants and distribution systems; storage and distribution systems for ground and jet fuels, including fire detection, alarm and suppression systems; and plumbing and irrigation systems.

- **Utilities Litigation** – Utility rates intervention and negotiation on behalf of the Air Force. This specialized group, known as the Utility Rates Management Team, is composed of engineers and Air Force Legal Services Agency attorneys. The utilities team helps Air Force installations procure reliable utility service at a fair and reasonable price.





Master Sgt. Joseph A. Gonzales



Airfield Pavements Evaluation Team

The Air Force Civil Engineer Support Agency headquarters is home to the Air Force's only airfield pavements evaluation team. The team provides a structural pavement evaluation capability to the entire Air Force.

The team performs routine evaluations and responds to contingency operations and emergency requests around the world.

Typically, structural evaluations at Air Force bases are conducted once every 10 years. But when contingencies or emergencies arise, the pavement team can provide almost immediate on-site assessment of the airfield capability and make recommendations based on proposed aircraft operations.

The team's recent contingency experiences include responding to operations in Rwanda, Haiti, Bosnia-Herzegovina and Saudi Arabia.

Field Support Directorate

CEMIRT — Civil Engineer Maintenance, Inspection and Repair Team. Each year, CEMIRT technicians respond to more than 100 assistance requests, many of them emergencies, that cannot be handled at base-level.





What We Provide Our Customers:

- Deployable Technicians from regional locations at Dover Air Force Base, Del.; Travis Air Force Base, Calif.; and Tyndall Air Force Base, Fla.
 - Provides civil engineers worldwide with a rapid response capability of highly trained power production, electrical, and heating, ventilating and air-conditioning specialists.
 - Specialized CEMIRT Prime BEEF teams, trained and equipped for contingency support of Harvest Falcon and Harvest Eagle power and electrical distribution equipment.
- Equipment Service – Intermediate- and depot-level maintenance and repair, troubleshooting, and modernization support of power production; electrical distribution; heating, ventilating and air conditioning; and monitoring and control systems.
- Emergency Power Systems – Manages loan program for portable power generators ranging from 500- to 2,500-kilowatts to temporarily support critical missions during power system upgrades, repairs or emergencies.
- Generator Reutilization — Serves as a clearing house for all large capacity generators over 200-kilowatts that are declared excess. Matches equipment with requirements and removes, repairs and reissues as government furnished equipment or re-installs using in-house resources. Saves millions of dollars every year redistributing assets.
- Aircraft Arresting Systems – Serves as an Air Logistics Center depot overhaul source for aircraft arresting systems and components, and supports civil engineers with 10-year overhaul and Mission-Impaired Capability requirements.
- Technical Support — Performs repair and balancing of critical heating, ventilation, and air conditioning systems for energy efficiency, indoor air quality, Environmental Protection Agency compliance, and hospital and precision measurement equipment laboratory accreditation purposes.
- Training – Civil engineers in the field are provided hands-on training while assisting maintenance and repair teams. Specialized equipment training is also available.

Operations Support Directorate

What We Provide Our Customers:

- Systems Automation — Development and implementation of the next-generation civil engineer automation system, featuring telecommunications connectivity and a state-of-the-art information management system for worldwide support of civil engineer operations.
- Management and Logistics — Professional management services in the areas of manpower, organization, management practices, logistics, vehicles, equipment and finances.
- Training — Help ensure civil engineer professionals are properly trained and educated. Develop career field education and training plans, provide career field functional management, and deliver the latest training system technologies.
- Contract Support - Contract consultation services that lead to the creation of tools and guides that facilitate outsourcing and privatization efforts and help use the latest acquisition procedures.



U.S. Air Force photo



Boyd Belcher

Executive Support Staff



Master Sgt. Joseph A. Gonzales

What We Provide Our Customers:

- Specialized, professional support to the Air Force Civil Engineer Support Agency commander, the entire organization and the civil engineer function throughout the Air Force.



Chris Harper

- Expertise in Air Reserve Component matters, professional communications, history, financial management, personnel, Quality improvement, computer operations and information management.

- *The Civil Engineer* magazine, a quarterly periodical that serves as the Air Force civil engineer's primary avenue of communication with the field, and a place where engineers can exchange ideas on how to work smarter and more efficiently.

- Publication of "A-GRAMs," one-page fact sheets describing the Air Force Civil Engineer Support Agency's newest products, tools and services available to the field.

- Visit our Web site at <http://www.afcesa.af.mil> for news, fact sheets, biographies and a complete description of the agency's current projects.

Readiness Challenge



Readiness Challenge is the premier test of contingency skills capabilities for U.S. Air Force civil engineers, services personnel, public affairs specialists, chaplains and chaplain staffs. The biennial competition involves Air Force active-duty and Air Force Reserve Component members who represent their major command or unit, and has included teams from Canada and the United Kingdom as well.

The Air Force Civil Engineer Support Agency coordinates the overall planning and execution for the competition, which is held at the Silver Flag Exercise Site at Tyndall Air Force Base, Fla.

Readiness Challenge emphasizes and reinforces the need for a well-rounded training program, and demonstrates each command's leadership, readiness, wartime capabilities and quality of home-station training.

Participants are graded on 25 events that test the major mission areas of establishing a forward base — force “beddown” — as well as base recovery after attack procedures, air power sustainment, readiness and explosive ordnance disposal. Public affairs specialists hone their professional communications skills while chaplain service teams perform traditional duties of ministry to the troops in the field. Participants in services fields compete in events relating to their contingency role: providing food, lodging, laundry, recreation and mortuary duties.

Awards are also presented for the winners of individual events and competition categories.



U.S. Air Force photos



Directory Assistance

Dial 850-283-XXXX (extensions listed below)
DSN prefix is 523

AF Contract Augmentation Program	6468	Manpower	6401
Electrical Grounding	6354	Military Personnel	6412
A-GRAMS	6264	Operations Support Directorate	6373
Airfield Support	6351	Orderly Room	6414/6413
Airfield Visual Aids Support	6352	Pavements	6470
Air Reserve Component Advisor	6013	Pest Management	6465
Automation Support	6455	Petroleum, Oils, Lubricants	6357
CE Magazine	6242	Plumbing, Natural Gas Distribution	6357
CEMIRT - Dover AFB, Del	(302) 677-6161	Prime BEEF	6145
CEMIRT - Travis AFB, Calif	(707) 424-5211	Prime Vendor Program	6411
CEMIRT - Tyndall AFB, Fla	4291	Professional Communications	6264
Civilian Personnel	6396	Protocol	6103
Commander	6101	Public Affairs	6114
Communications/Computers	6455	Quality Improvement	6443
Contingency Support Directorate	6124	Readiness Center	6166
Contracts Support	6479	Readiness Division	6121
Cost Engineering	6263	Roof Management	6180
Energy Program (Facilities)	6361	Seismic Mitigation	6332
Engineering Technical Letters	6224	Silver Flag Site	8761/8722
Equipment	6378	Snow and Ice Control	6386
Executive Director	6101	Technical Data Bulletins	6361
Executive Officer	6107	Technical Information Center & Library	6285
Explosive Ordnance Disposal	6120/6478	Technical Publications	6224
Facsimile Machine	6499	Technical Support Directorate	6342
Field Support Directorate	4291	Training	Officers 6398
Financial Management	6391	Enlisted 6440
Fire Protection	6321/ 6214/ 6152	Civilians 6181
First Sergeant	6432	Utility Rates Management	6217
Historian	6264	Vehicles	6388
Information Manager	6432	Voice Mail Menu	850-283-6422
Lightning Protection Engineering	6354	Video Teleconference Coordinator	6116
Logistics	6411	Waste Water Systems	6345
Management Practices	6363	Water Systems	6338

E-Mail = 1st 7 letters of person's last name + 1st initial of first name + @afcesa.af.mil (example: jonesr@afcesa.af.mil)

Air Force Civil Engineer Support Agency

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