

Air Force Combat Weather Center (AFCWC) (New Requirement). FAC: 1444

CATCODE: 141XX3

OPR: AFWA/A5/A8, MAJCOM/A3W

OCR: MAJCOM/A6

1.1. Description. This facility provides space for the training, testing, and exploitation mission of the AFCWC. Additionally, the facility provides support for the unit's Weather System Support Cadre (WSSC) personnel providing maintenance and logistics support for deployed Air Force weather teams. Its operations center normally provides worldwide weather support 8-12 hours per day, 5 days per week, but increases to 24/7 operations during contingencies. AFCWC also performs pre-deployment training for weather personnel and extensive weather equipment testing operations.

1.2. Requirements Determination. AFCWC was established to enhance the effectiveness of Air Force, Army, special operations, joint, and combined combat and BW team operations through investigation, integration and development, test and evaluation, and exploitation and training for new and existing tactical weather systems and processes. Obtain further information through AFWA/A5/8.

1.3. Scope Determination. Space is needed for a command section, operations management, operations area (indoor and outdoor), information systems and management (classified and unclassified), training areas (indoor and outdoor), storage space for tactical weather systems, spares, maintenance tools and HAZMAT, locker/shower rooms, and supplies.

1.4. Dimensions. See [Table 1.1](#) below.

1.5. Design Considerations.

1.5.1. Facility requires DSN Class A worldwide/land line connections, NIPRNet and SIPRNet drops, and cablevision or satellite television capability to receive and obtain National Weather Service (NWS) broadcasts. Facility requires allocation of permanently assigned frequencies for three pieces of equipment employed in the mission of the AFCWC. Typical frequency ranges are 413-415 UHF and 9345 MHz.

1.5.2. Requires 220 VAC/115 VAC, 60 Hz service with backup power and UPS.

1.5.3. Locate to satisfy explosives safety standards in relationship to explosives storage and operating facilities. Noise attenuation measures may be required if facility is located in the close proximity to the runway(s) or industrial area(s). Facility requires 8 ft x 4 ft x 6 ft (included in above table) storage cage to store helium canisters used for training with the Digicora III. The requirement for emergency power is determined under AFI 32-1063.

Table 1.1. Air Force Combat Weather Center Space Requirements.

Function		Net Building Area	
		m ²	ft ²
Interior Areas			
Administration ¹	Commander (Type C)	14	150
	Superintendent (Type D)	11	120
	First Sergeant (Type D)	11	120
	Administrative Suite	5.95/person	64/person
	Information Management/Client Support Administrator	5.95/person	64/person
Operations	Director of Operations (Type D) ¹	11	120
	Division Chiefs (Type E) 1	7.4/person	80/person
	Operations Center	228	2,300
	CCI and Equipment Maintenance Room	16	170
	Training Area ²	93	1,000
Common Areas	Lobby ²	19	200
	Warehouse	380	4,000
	Conference Room ²	47	500
	Break Room with Kitchen ²	14	150
	Showers/Locker Rooms ²	28	300
Exterior Areas	Equipment Set-up Area/Antenna Farm	855	90,000
<p>NOTES:</p> <p>1. See Facility Class 6 of this Manual, Tables 1.2 and 1.2.1</p> <p>2. See Facility Class 6 of this Manual, Tables 1.3 and 1.4</p>			