Operational Weather Squadron. FAC: 1444

CATCODE: 141XX1
OPR: AFWA/A5/A8, MAJCOM/A3W
OCR: MAJCOM/A6

1.1. **Description.** This facility provides space for command, 24-hour war fighter reach back operations, planning, and training for Operational Weather Squadrons (OWS).

1.2. **Requirements Determination.** PAD 97-10 drove the stand-up of OWSs worldwide. These squadrons provide airfield aviation forecasts; weather watches, warnings, and advisories; and flight weather briefings to all Air Force and Army locations in their area of responsibility. Space for administration, weather operations, and forecasting areas are needed for the New Tactical Forecast System (NTFS), which includes Communications/Data management, Weather Station Terminals, and Staff Weather Officer Terminals; Weather Radar (WSR-88D) Open Principal User Processor Terminal (some weather stations should also have a Unit Control Position); desktop computers for receipt and display of satellite and radar data; and spatial requirements as outlined below. Obtain further information through AFWA/A5/8 or MAJCOM A3 weather staff.

1.3. **Scope Determination.** **Table 1.1** lists space requirements for OWS operations. Space is needed for a command section, operations management, operations areas, information systems and management, training classrooms, storage space for hazardous materials (HAZMAT), locker/shower rooms, multi-purpose room, fitness facilities, and supplies. Operations are 24 hours per day, 7 days per week, and training includes management and upgrade of new personnel accessions.

1.4. **Dimensions.** See **Table 1.1**.

1.5. **Design Considerations.**

1.5.1. Requires 220 VAC/115 VAC, 60 Hz service with backup power and UPS. See AFI 32-1063.

1.5.2. Provide connectivity with on- and off-base weather sensors; base LAN connectivity to the GIG and connected weather sensors; dedicated land lines to base operations; air traffic control facilities; and a DSN Class A worldwide phone line.

1.5.3. Locate to satisfy explosives safety standards in relationship to other explosives storage and operating facilities. Noise attenuation measures are necessary if located in close proximity to runway(s) or industrial area(s).

Table 1.1. Operational Weather Squadron Space Requirements.

	Small Sq (~ 75)		Large Sq (~ 200)	
Offices	Office Type (see Tables 1.3/1.4)	Qty	Office Type (see Tables 1.3/1.4)	Qty
Commander	C	1	C	1
Superintendent	D	1	D	1
First Sergeant	D	1	D	1
Director of Operations	D	1	D	1
Operations Superintendent	D	1	D	1
Flight CC/NCOIC	D	5	D	10
System Management Personnel	F	4	F	8
Operations Center	F	12	F	30
Information Management/Client Support Administrators	F	Varies	F	Varies
Administration Support	see Tables 6.3/6.4		see Tables 6.3/6.4	
Special Purpose Spaces	m^2	ft^2	m^2	ft^2
Lobby	User justified		User justified	
Training Laboratory	User justified		User justified	
Classified Processing Area	User justified		User justified	
Training Classrooms (3 each)	Table 1,4		Table 1.4	
Conference Room	Table 1.4		Table 1.4	
Multi-purpose room	93	1,250	279	3,000
Break Room	see Table 6.3		see Table 6.3	
Fitness Area, Showers, and Lockers1,2	58	620	153	1,650
Supply room	19	200	38	400
Information System Server Room	37	400	74	800
Individual Combat Equipment Storage room3	59	638	158	1,700
Utility/Garage Space	37	400	74	800
CCI and Equipment Maintenance Room	19	200	28	300
Exterior Areas				
HAZMAT Storage	9	100	18	200
Antennae Farm	46	500	93	1,000
Squadron Pavilion1	74	800	149	1,600

NOTES:
1. User justified.
2. Based on 25 ft^2 /per person allowance. Plan space for assumed 33% of population.
3. 10 ft^2 secure storage cage for each person. Plan space for assumed 85% manning.