PILOTLESS AIRCRAFT GUIDANCE STATION FAC: 1331

CATCODE: 149511
OPR: ACC/A4
OCR: N/A

1.1. **Description.** This building is a main control point for all Remotely Piloted Aircraft (RPA) units to provide support for combat flights and flying training tasks to include squadron operations, command and control, communications, planning, briefing, and the critique of both flying crews as well as combat operations. This facility criteria shall be applied to all RPA flying units to include combat attack squadrons, training attack squadrons, reconnaissance squadrons, and launch and recovery units. The Pilotless Aircraft Guidance Station enables each RPA squadron to execute its mission by providing an organized operational facility with three functional areas: (1) Classified Area - squadron operations and flight training; (2) Unclassified Area - administrative and support; and (3) Asset Support Area - storage hangar, maintenance shop, and AGE shop. Classified Area shall be carried and reported as Sensitive Compartmentalized Information Facility (SCIF) (**CATCODE 140422**), see Tables 2.1 & 2.2 for details. Asset Support functional areas shall be carried and reported as Maintenance Hangar (**CATCODE 211111**), Aircraft Maintenance Shop (**CATCODE 211154**), and Aircraft Support/Equipment Shop (**CATCODE 218712**).

1.2. **Requirements Determination.** Requirements will vary according to type of RPA unit and its mission. Tables 1.1 and 1.2 include a comprehensive listing of requirements intended for the use of various types of RPA units. Programmers and space planners shall work with the base, manpower representatives, and/or MAJCOM/A1 to determine specific administrative staffing structure and to validate special purpose requirements for the proposed Pilotless Aircraft Guidance Station (i.e., some offices/functions listed in the tables below may not be required for all squadrons/units). The following methodologies shall be applied to specific space types found in Tables 1.1 and 1.2.

1.2.1. **Administrative Office Space Requirements.** The total number of authorized workspaces shall be limited to the number of validated military, civilian, and contractor positions. An updated Unit Manning Document (UMD) shall be used to determine the number of workspaces. Positions must be validated by programmers and space planners by confirming each is funded in future years. If/when contracted support personnel are utilized, programmers and space planners must ensure that contracts authorize administrative space.

1.2.2. **Special Purpose Areas.** Table 1.2 itemizes requirements for special purpose areas that are authorized for most RPA units. [Typical] Squadron training areas may not be authorized for Attack Training Squadrons. For these instances, [typical] squadron training areas may be substituted for larger functional areas due to specific training mission, see Table 1.2. notes for details.

1.3. **Scope Determination.** In order to determine total size of a Pilotless Aircraft Guidance Station, Tables 1.1 and 1.2 shall be used to calculate spaces for Administrative Office Areas and Special Purpose Areas.

1.3.3. **Administrative Office Space Requirements.** The total size of Administrative

Office space required shall be determined by assigning each approved position to a position title and space-type found in Table 1.1, earning workspace according to the corresponding Office Type Code.

1.3.4. **Special Purpose Areas.** Table 1.2 itemizes requirements for special purpose areas that are calculated according to the following space types.

 1.3.4.1 Scaled-Authorization Spaces. Sizes for these space requirements are determined by multiplying by the scaled-authorization factor, see notes for details.

 1.3.4.2 General-Facility Authorization Spaces. Each generally-authorized requirement listed in Table 1.2 shall be added to every Pilotless Aircraft Guidance Station, as they are universally authorized. Few exceptions to this exist where alternate Special Purpose Areas are required, see notes for details.

1.3.5. **Net-to-Gross Factors.** All spaces found in Tables 1.1 and 1.2 are provided in Net SF. To find total Gross Authorization, calculation factors for circulation and net-to-gross multipliers are to be added in accordance with AFMAN 32-1084, Category Group 61, Administrative Facilities Overview.

1.4. **Design Considerations.** Where practical, RPA units should be collocated to promote operational security and increase proficiencies through utilization of shared facilities and areas. Special purpose areas earned by each unit, should be joined together as required (e.g., larger mass briefing rooms, hanger/storage & maintenance facilities, etc.).

Table 1.1. (Unclassified) Authorized Spaces for Administrative Offices.

[1]Offices/Functions	[2]Office Type
Private Offices	
First Sergeant	D
Open Offices	
Command Support Staff	F
Unit Training Manager	F
[3]Casual Students, Desks/Study Area	H
[4]SIPR Room, Casual Student Study Area	H
NOTES:	
1. Administrative support space shall be calculated and documented as Special Purpose Area. Each office workstation earns 8 SF.	
2. See AFMAN 32-1084 (FC-6), Category Group-61, Admin Facilities Overview Tables 3.1 and 3.2.	
3. For Casual Students to study while awaiting elevated security clearances. Max. 20 stations.	
4. SIPR rooms for Casual Students to study classified training materials while awaiting elevated security clearances. SIPR room size = (total number of SIPR stations) x (20 sf), or 80 SF MINIMUM. If safes are stored in this room, the net SF is increased by total footprint.	

Table 2.1. (Classified) Authorized Spaces for Administrative Offices - To be coded under CATCode 140422.

[1]Offices/Functions	[2]Office Type
Private Offices	
Commander	C
Director of Operations	C
Senior Enlisted Leader	D
Security Manager	D
Resiliency Officer	D
Medical Officer	D
Open Offices	
Operations Superintendent	E
Director of Staff	E
Executive Officer	E
Contractor Lead	E
QAE/Maintenance NCOIC	E
DOC/Comm. Support/Ops Directorate, Staff	E
DOI/Intelligence Ops Directorate, Staff	E
DOK/Combat Plans Ops Directorate, Staff	E
DOL/Logistics Ops Directorate, Staff	F
DOM/Mobility Ops Directorate, Staff	F
DOQ/Survivability Ops Directorate, Staff	E
DOS/Scheduling Ops Directorate, Staff	F
DOT/Training Ops Directorate, Staff	F
DOW/Weapons Ops Directorate, Staff	E
DOX/Testing Ops Directorate, Staff	E
SARM/Aviation Resource Mgmt. Staff	E
CCV/Standards & Evaluations Staff	E
Medical Technicians	F
Study Carols, Max 5-Ea.	H
NOTES:	
1. Administrative support space shall be calculated and documented as Special Purpose Area. Each office workstation earns 8 SF.	
2. See AFMAN 32-1084 (FC-6), Category Group-61, Admin Facilities Overview Tables 3.1 and 3.2.	

Table 1.2. Unclassified Authorized Spaces for Special Purpose Areas.

Offices/Functions	Net Area	
	m^2/SM	ft^2/SF
Scaled-Authorized Requirements		
[1]Lockers (per full time staff)	0.28	3
[1]Break Room (per full time staff)	0.28	3
[2]Sleep Room (number based on requirements)	2.79	30

(3)Generally-Authorized Requirements		
Interview Room – security clearance interviews, fingerprint processing, and issue badges	7.43	80
Changing rooms, 4-men / 2-women (30 sf each)	16.72	180
Shower rooms, 2-men / 1-women (30 sf each)	8.36	90
Storage – uniforms, patches, etc.	5.57	60

NOTES:
1. Multiply the total number of authorized positions on UMD by Net Area/SF, see para. 1.2.2.
2. Reclining chairs for shift workers to rest before/after missions, max. 6 seats. Multiply the total number of sleep stations at unit by Net Area/SF, see para. 1.2.2.
3. Authorized for every RPA, unless otherwise specified.

Table 2.2. (Classified) Authorized Spaces for Special Purpose Areas - To be coded under CATCode 140422.

Offices/Functions	Net Area	
	m^2/SM	ft^2/SF
Scaled-Authorized Requirements		
(1)Student Training Room (per seat)	2.79	30
(2)Flight Team Rooms 1 per flight (1 Flight CC 65 sf, 1 Flight Chief 65 sf, and 4 task stations at 20 sf)	19.51	210
(3)Generally-Authorized Requirements		
Conference Room, Squadron Leadership, 30-PN	55.74	600
Break Rooms – small snack area inside the vault	4.65	50
Mission Briefing room – 100-seat auditorium	139.35	1500
Waiting area for the Sq Commander, 4-seats	7.43	80
Entry Control Vestibule	3.72	40
Team briefing rooms, 6-seats at 20 sf each (typical Sq has 4 rooms)	11.1	120
Large briefing room, 12-seats	22.30	240
(4)Training Cell, 20-desks/task stations	55.74	600
(5)Student Classrooms, 2-Classrooms at 12-seats	66.89	720
Ground Control Stations (GCS), GCS at 300 SF (typical squadron has 8 GCS)	27.8	300
Training-GCS at 300 SF, (typical squadron has 4-GCS)	27.8	300
(6)UAV Flight Trainer/Simulation Room	37.16	400
(7)Training Operations Center	23.23	250
(8)Operations Cell	67.82	730
(9)Server room, flight operations	139.35	1500
(9)Communications room, Support / Maintenance	34.84	375
(9)Uninterruptable Power Supply (UPS)	13.94	150

NOTES:
1. Attack Training Squadron only - multiply the total number of students (max. enrollment), see Para 1.2.2.
2. Multiply the total number of Flight Teams (e.g., Alpha/Bravo/Charlie-Flt, etc.) at unit by Net Area/SF, see para. 1.2.2. Includes spaces for CC, Chief, and 4 hoteling stations for crew.
3. Authorized for every RPA, unless otherwise specified.
4. Not authorized for Attack Training Squadrons as these are provided training classrooms.
5. Attack Training Squadron only - with max enrollment of 100-PN. If max enrollment exceeds
   100-PN, provide 1-Ea additional 12-seat classroom for each 50 students above 100-PN.
6. Attack Training Squadron only - training room for simulated flight crews, instructors, mission/intel/coordination staff and student observations.
7. Attack Training Squadron only - small Ops Cell for instructors to monitor live training.
8. Not authorized for Attack Training Squadrons as these are provided Training Ops Centers. Provides RPA mission observation and support room for stations for: Mission Commander, Sensor Lead, 2-Weather Forecasters, 2-Intel Analysts, and 2-Targeteers. Space is also provided for printers/shredder area (60 SF) and standoff area (150 SF) to view RPA feed monitors.
9. These space types are counted as "Non-Admin Special Purpose".