

Instructions to pilots - Use only one mission symbol per AFTO Form 781. The flight authorization will indicate the authorized mission symbol (or symbols).

CA CODED AIRCRAFT MISSION CLASSIFICATION

- A1 SCHEDULED FLIGHTS:** Missions in which the main goal is to move cargo/passengers on a scheduled frequency.
- A2 SCHEDULED AIR EVACUATION FLIGHTS:** Missions in which the main goal is to move patients who require immediate evacuation to the proper treatment facility.
- A3 NONSCHEDULED AIR EVACUATION FLIGHTS:** Missions in which the main goal is to move patients who require immediate evacuation to the proper treatment facility.
- A4 NONSCHEDULED LOGISTICS:** Missions in which the main goal is to move cargo/passengers on other than scheduled flights.
- A5 POSITIONING/REPOSITIONING:** The nonproductive part of a flight that is required to locate an aircraft at a station for onload or returning an aircraft to home station.
- A6 TACTICAL TRAINING:** Missions in which the main goal is nonscheduled joint airborne training that includes personnel and equipment/supply drops.
- A7 OTHER:** Classified and/or other special missions.

NOTE: Missions Symbols A1 through A7 are for CA coded aircraft use outside of a combat environment and ARRS CF coded aircraft.

SUPPORT MISSIONS

- S-1-ADMINISTRATIVE:** Missions in which the main purpose is aerial transportation of personnel accomplishing executive, administrative, and inspection functions. These include staff and command ordered flights. Also includes Air ROTC, Air Explorers, and CAP Indoctrination and similar flights.
- S-2-PERSONNEL:** Missions in which the main purpose is air movement of personnel. This symbol includes courier flights. Does not include flights by MAC common user passenger/cargo transports accomplishing single manager operations for airlift services.
- S-3-MATERIEL AND SUPPLIES:** Missions in which the main purpose is air movement of materiel and supplies. Does not include flights MAC common user passenger/cargo transports accomplishing single manager operations for airlift services.
- S-4-LOGISTICS:** Missions in which the main purpose is air movement of personnel, materiel and supplies. This symbol includes flights in direct support of combat units and combat supporting unit operations. Does not include flights by MAC common user passenger/cargo transport.
- S-5-SPECIAL:** Missions in which the main purpose is to complete specific special activities of the Air Force and other governmental agencies, such as target missions for air defense purpose; tow missions for defense and tactical forces, and local search and rescue, civil relief, mercy missions and air demonstration flights.
- S-6-NAVAIDS CHECKS:** Mission in which the main purpose is flight-check radar and navigational aids.
- S-7-AIRCREW QUALIFICATION:** Missions in which aircrew members who occupy aircrew or instructor crew positions complete standardization and instrument check flights as well as qualification and currency checks.
- S-8-SUPPORT TRAINING:** Missions in which the purpose is to perform annual flying requirements, to include instrument, proficiency and other qualification checks as prescribed by AFR 60-1. This symbol is used by "behind-the-line" aircrews who are not assigned to MSL aircrew positions.

NOTE: Symbols S-1 through S-8 are used for Z coded operational support aircraft only.

TRAINING MISSIONS

- T-1-STUDENT TRAINING:** Missions in which the main goal is to instruct and train pilots and aircrews under the direction of the Air Training Command or other USAF activities engaged in formal student instruction (includes flying of instructors in the course of student training). Specific mission symbols within this category, may be designated locally.
- T-2-COMBAT CREW TRAINING:** Instructions and training of pilots and crews undergoing formal course of combat crew training in designated combat training organizations. Specific mission subsymbols within this category may be designated locally.
- T-3-OPERATIONAL TRAINING:** Missions in which the main goal is the accomplishment of scheduled gunnery, bombing, reconnaissance, navigation, instrument, target missions for air defense purposes, towing targets, search and rescue, and transportation of cargo and/or personnel (excludes flight of MAC common user passenger/cargo transports accomplishing single manager operations for airlift services). Specific missions within this category may be designated locally.
- T-4-SPECIAL:** Missions in which the main purpose is the direct support of nonmilitary activities in such areas as civil relief, mercy missions, health communications, public works and others contributing to the economic and social well-being of the nation.
- T-5-AIRBORNE ALERT MISSIONS:** See Note 1.
- T-6-LOW LEVEL MISSIONS:** See Note 1.

NOTE 1: Codes T-5 and T-6 are applicable to specific SAC aircraft.

NOTE 2: T symbols are used in force structure aircraft in assignment codes such as CB, CC, CF, CA, and TF.

OPERATIONS MISSIONS

- O-1-COMBAT:** Aerial activity engagements or attacks conducted by committee units or aircraft, under the operational control of a theater commander or other appropriate authority, which have as a primary purpose the expenditure of munitions or other destructive materials against an enemy of the United States or an opposing foreign force or any flying activity in direct support thereof. Specific mission subsymbols, using numeric suffixes, may be designated locally.
- O-2-COMBAT SUPPORT:** Aerial activity or engagements conducted by committed units or aircraft, under the operational control of a theater commander or other appropriate authority, which have as a primary purpose the support of friendly foreign forces engaged in armed conflict, and which:
- (1) Encounter foreign armed opposition, or
 - (2) Are otherwise placed in such a position that hostile action by armed forces was imminent even though it did not materialize.
- O-3-AIRCRAFT DELIVERY:** Aircraft delivery flights under the control of TAC, including intercommand transfers; USAF, Navy or other pilots attached to TAC for purposes of delivering aircraft are considered TAC aircraft delivery crews. This will include flying time accumulated by pilots assigned to the TAC aircraft delivery organizations as well as "borrowed" crews. Also includes aircraft deliveries other than under TAC control.
- O-4-TEST:** Missions in which the main goal is engineering testing of aerospace vehicles, to include the airframe, propulsion units, and components that are integral parts of the vehicle being test.
- O-5-DIRECT TEST SUPPORT:** Missions which are performed in direct support of research, development, test, or engineering programs for the purpose of data acquisition. Includes flights to and from test locations.
- O-6-INDIRECT TEST SUPPORT:** Missions in which the main goal is the accomplishment of simulated mission profiles in preparation for approved test programs. Included in this category are missions in E, D, and CB coded aircraft in which the main goal is proficiency flying training, initial checkout, requalification, annual instrument and proficiency check, etc.
- O-7-SPECIAL (AFLC, AFSC, AFCC use only):** Missions performed in E and CF coded aircraft which do not fall within the categories explained above. Included are missions such as search and rescue, demonstrations, record attempts, flight inspection, traffic control and landing system (TRACALS) evaluations, and air traffic control operational evaluations.
- O-8-MAINTENANCE TESTS:** Missions in which the main goal is to perform functional check flights after completing inspections or maintenance to assure that the aircraft is airworthy and capable of mission accomplishment. This symbol applies to aircraft in all assignment codes.
- O-9-OPERATIONAL RECONNAISSANCE:** Aerial activity or engagements conducted by committed units or aircraft which have as a main purpose the accomplishment of higher headquarters directed reconnaissance missions that do not fall in the other categories explained above.
- NOTE:** For all missions flown into, or out of designated combat areas, the suffix A is used to provide differentiation of, and credit for actual combat flying time. The suffix B is used on designated combat missions, established by HQ USAF that result in personnel tour curtailment or other personnel actions.

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INDUSTRIAL FUNDED AIRCRAFT MISSION CLASSIFICATIONS

L-1 through L-8 CONTINGENCY: Special transport missions that support contingency plans and test exercises. Symbol is assigned by HQ MAC in the Operation Order. If no OPORD is written, MAC Command Post (MCP) assigns symbol to be used.

M-1-CARGO: Scheduled transport missions in which the main goal is the movement of cargo.

M-2-PASSENGER/PATIENTS: Scheduled transport missions in which the main goal is the movement of passenger/patients.

M-3-CARGO/PASSENGERS: Scheduled transport missions in which the main goal is the movement of mixed loads (cargo/passengers).

M-4-POSITIONING FOR CHANNEL: Locating an aircraft at a station for channel traffic onload. This includes missions from the offload station of a special assignment airlift mission (SAAM) or contingency mission to the onload station of channel traffic mission.

M-5-DEPOSITIONING FOR CHANNEL: Returning an aircraft to home station from channel traffic offload station and to return an aircraft to backup position from an offload or terminating point of any mission where backup equipment has been

M-6-SPECIAL ASSIGNMENT: Transport missions in which the main goal is the accomplishment of special assignment airlift missions. These missions will include hours logged from the time the aircraft departs from home station or is diverted from channel traffic (scheduled mission) until the aircraft returns to home station or returns to channel traffic, operations.

M-7-NONREVENUE: Nonscheduled missions operated in support of the airlift force other than exercises.

M-8-JOINT AIRBORNE OR AIR TRANSPORTABILITY TRAINING: Transport missions in which the main goal is nonscheduled joint airborne training.

N-1-TRAINING AND STANDARDIZATION: Training and standardization evaluation flights for personnel assigned or attached to a tactical or transport unit.

N-2-TACTICAL TRAINING: Unilateral tactical training other than joint airborne training. This includes: airdrop, formation flying, and low level navigation training missions.

N-3-SEARCH: Industriallyfunded aircraft diverted to perform search missions. Symbol will be used starting with time of diversion until aircraft returns to normal mission

N-4 through N-8 RESERVED FOR FUTURE USE: These symbols will be used to complement the contingency mission symbols as assigned by MCP.

NOTE: L, M, and N symbols are used in force structure aircraft in assignment codes CC, CF, IF and TF.

SIMULATOR/TRAINER CLASSIFICATIONS

Q-1-STUDENT TRAINING: Instruction and training of pilots and crews under the direction of the Air Training Command or other USAF organization engaged in formal student instruction.

Q-2-MISSION TRAINING: Synthetic trainer/simulator missions in which the main goal is training of tactical and support aircrews.

Q-3-MAINTENANCE TESTS: Performance of functional check lights.

Q-4-OPERATIONAL TRAINING: Simulator time logged during a formal course of training that is creditable to operational flying duty.

Q-5-SIMULATOR TEST: Missions for the acquisition of data or verification of simulator performance, handling qualities, and systems.

Suffix "E" is reserved for engineering tests for the purpose of simulator hardware/software design or development.

Suffix "F" is reserved for missions scheduled in direct support of personnel research.