|  |
| --- |
| UNIT OVERVIEW |
| **Course** Helicopter Crewmember, S-271 |
| **Unit** 7 – Operational Safety |
| **Lesson** D - Parking Tender and Miscellaneous Roles and Responsibilities |
| **Time** TBD |
| **Objectives**  1. Describe parking tender roles and responsibilities.  2. Describe the plan for medivac procedures. |
| **Strategy**  Through lecture, and class discussion this unit will help students obtain an overall knowledge of performing the roles and responsibilities of a parking tender, applying and activating an emergency plan, understand and follow procedures/protocols for aviation emergencies and utilization and submission of a SAFECOM. |
| **Instructional Methods**   * Facilitation/informal lecture with PowerPoint * Group exercises |
| **Instructional Aids**   * Computer with presentation software with LCD projector * IRPG * IHOG * Unit 1 IAP |
| **Exercise**   * None |
| **Evaluation Methods**   * Class discussion * Unit review * Unit quiz |
| **Outline**  I. Parking Tender  II. Medical Evacuation |
| **Aids and Cues Codes**  The codes in the Aids and Cues column are defined as follows:  IG – Instructor Guide IR – Instructor Reference  SW – Student Workbook SR – Student Reference  HO – Handout Slide – PowerPoint |

# UNIT PRESENTATION

COURSE: Helicopter Crewmember, S-271

UNIT: 7 – Operational Safety

LESSON: D – Parking Tender and Miscellaneous Roles and Responsibilities

| OUTLINE | AIDS & CUES |
| --- | --- |
| Unit Title Slide.  Review Lesson Objectives.  I. Parking Tender  The parking tender provides safety and oversight for all operations occurring within the safety circle of the helicopter.  A. Personal Protective Equipment (PPE)  It is essential that you wear your personal protective equipment.   * Fire resistant clothing (Nomex) * Leather or leather and nomex gloves * Leather boots * Eye protection (goggles) * Protective headgear (flight helmet or hardhat w/chin strap) * Hearing protection   B. Roles and responsibilities  1. Obtain briefing from appropriate supervisor; obtain radio frequencies and other information necessary to perform the job.  2. Whenever the assigned helicopter’s engine is running, or whenever it is approaching or departing the parking spot, supervise activities at the assigned landing pad, including personnel, ground vehicle, and helicopter movement. Keep unauthorized people out of safety circle.  3. Know and understand crash-rescue procedures; ensure that extinguishers are placed at the landing pad; be responsible for extinguisher operation in the event of the fire either on landing, takeoff, or refueling.  4. Ensure touchdown pad is properly prepared, numbered, and maintained.  5. Ensure there is adequate communications.  6. Provide wind advisories and other landing, takeoff, and holding directions to the pilot.  7. Communication with the pilot may be done either through hand signals or by way of radio communication.  8. Parking tender should be positioned outside the safety circle.  9. Be alert for potential conflicts between inbound and/or outbound aircraft.  10. Coordinate with loadmasters on the loading and unloading of personnel and cargo; ensure that loading personnel check personal seatbelts, cargo restraints, and helicopter doors prior to departing the area.  11. Monitor the fueling of helicopters.  12. Immediately report any problems.  C. Safety Precautions While Refueling   * A parking tender’s job is to observe and maintain safety circle. * Keep out other vehicles and people. * Stage at fire extinguisher in the event of a fueling fire. * Parking tender should also know the positions and operation of emergency shut- off valve on fuel truck. * Fueling the helicopter is primarily the contractor’s responsibility. * Helicopter and fuel containers will be bonded. * There will be no passengers aboard. * No smoking or unauthorized personnel will be within 100 feet. * Rotor and engines will be stopped except for closed circuit systems.   D. Emergency Procedures – Take-off and Landing Area   * Clear landing areas, including: personnel, other aircraft, and vehicles. * Be familiar with the use and application of:   Crash Rescue Kit, NFES #1040. For entry and extrication.  Evacuation Kit, NFES #0650. Includes stokes combined package litter and 25-person first aid kit, NFES #1604.  Fire extinguisher, 40 lb  20-B-C  Emergency Plan   * Activate Local Emergency Plan, it should include the following information:   How to contact specialized crash/fire rescue units.  Specialized medical facilities available such as burn and head injury treatment facilities.  Transportation methods available.  Bureau or agency notification procedures.  Refer to pre-accident plan for local specific actions.  **Only respond to aircraft accident if properly trained and briefed on procedures.**  II. MEDICAL EVACUATION  Medical evacuation plans can be found in the incident action plan (IAP) and/or project aviation safety plan.  It is a pre-determined plan that provides procedures and protocols for crash rescue, medivac and helicopter evacuation missions.  The plan should be posted on the helibase information board and reviewed with all personnel involved.  Review a HJA-4 (Crash Rescue/Medivac/  Evacuation Plan) located in IHOG. (Specifically VI Accident Response at Helibase). Discuss roles and responsibilities of helicopter crewmembers and plan.  Review IAP handed out in unit 1 and discuss what is in the medivac plan.  If crash rescue personnel are performing the evacuation, it is critical that the helibase aircraft base radio operator or other individual assigned be making the contacts identified in the Medical Unit Plan and/or in Form HJA-4, Crash Rescue/Medivac/Evacuation Plan. Note that for project operations, initial contact is usually made with the local dispatch office, which will implement the unit accident preparedness plan.  Helicopter pilots, crews, and helibase personnel should all be briefed on roles, responsibilities, and procedures.  Coordinate closely with the local dispatch or other responsible office both in preparedness planning and during the actual evacuation.  III. Aviation Mishap Types  A. Aircraft Accident  An aircraft accident is an occurrence associated with the operation of an aircraft, which takes place between the time any person boards the aircraft with the intention of flight and the time all such persons have disembarked, and in which any person suffers death or serious injury or in which the aircraft receives substantial damage (350DM 1, FSM 5700)  1. Incident with Potential   * An Incident that narrowly misses being an accident and which the circumstances indicate serious potential for damage or injury. * Classification of incidents with potential are determined by Aviation Safety Managers (350DM 1, FSM 5700)   2. Aircraft Incident  An occurrence, other than an accident, associated with the operation of an aircraft that effects, or could affect the safety of operations or the mission. (350 DM 1)  3. Aviation Hazard  Any Condition, act or set of circumstances that exposes an individual to unnecessary risk or harm during aviation operations. (350 DM 1)   * A policy or procedure deviation. * Unsafe actions of pilots, mechanics, fuel handlers, support personnel, aviation user or manager. * Deviation from planned flight operations. * Failure to use required PPE, file a flight plan, use flight following procedures, or to conduct required load calculations or downloading.   4. Maintenance Deficiency  A maintenance deficiency report is any serious defect or failure causing mechanical difficulties encountered in aircraft operations and not specifically identified as an aircraft incident or aviation hazard.  5. Communicating Mishaps  SAFECOM   * A reporting form to communicate any condition, act maintenance problem or circumstance which has potential to cause an aviation related mishap. * Online searchable database of past events.   Take Home Message   * If you see something, say it. * As a new Helicopter Crewmember you may be the one to prevent a serious accident.   Any questions?  Review Unit Objectives.  Hand out unit quiz (covers units 7A-7D). Correct quiz as a class. | Slide 7D-1  Slide 7D-2  Slide 7D-3  Slide 7D-4  Slide 7D-5  Slide 7D-6  Slide 7D-7  Slide 7D-8  Slide 7D-9  Slide 7D-10  Slide 7D-11  Slide 7D-12  Slide 7D-13  Slide 7D-14  Slide 7D-15  Slide 7D-16  Slide 7D-17  Slide 7D-18  Slide 7D-19  Slide 7D-20  Slide 7D-21  Slide 7D-22  Slide 7D-23  Slide 7D-24  Slide 7D-25  Slide 7D-26  Slide 7D-27  HO-7D-1 |