COMMON STANDARDS

ALL TASKS
1. Do not exceed aircraft limitations.
2. Perform crew coordination actions.

Principles:
- a. Communicate effectively and timely.
- b. Sustain climate of ready & prompt assistance
- c. Effectively manage, coordinate and prioritize planned actions, unexpected events and workload distribution.
- d. Provide situational aircraft control, obstacle avoidance, and mission advisories.

Objectives:
- a. Establish and maintain team relationships.
- b. Establish and maintain efficient workloads.

HOVER
1. Altitude ± 3 ft (± 5 ft for OGE) ●
2. Drift ± 3 ft. (± 10 ft for OGE) ●
3. Ground track within 3 ft.
4. Heading ± 10°
5. Constant rate of movement appropriate for existing conditions.

IN FLIGHT
1. Airspeed ± 10 KIAS
2. Heading ± 10°
3. Altitude ± 100 feet
4. Rate of climb/descent ± 200 ft/min.
5. Trim ± 1/2 ball width
6. Ground track with min drift.

All tasks with the APU/engines operating (RMCs & NCMs)
1. Maintain airspace surveillance (task 1026).
2. Apply app. environmental considerations.

TASK 1000
Participate in a crew mission briefing
1. PC actively part.& ack. 5484-R briefing.
2. A crewmember will brief using ATM crew briefing or more detailed unit approved checklist.
3. Crewmembers will acknowledge a complete understanding of the briefing.

TASK 1001
Administer flight evaluation
1. Conduct eval IAW chap 3.
2. Evaluate tasks to ATM standards.
3. Conduct debrief, and determine status of the aviator as required.
4. Determine appropriate entries for 7122 as required.

TASK 1003
Conduct flight instruction
1. Determine flight plan.
2. Conduct academic training as necessary.
3. Conduct flight training utilizing FOI.
4. Conduct review and critique.
5. Determine appropriate entries for IATF.

TASK 1004
Plan a VFR flight
1. Aircrew & ACFT capable.
2. Determine if flight can be done w/in reg's.
3. Determine dep, enr, dest procedures.
4. Select Route/Alt's.
5. Cross-counry flights - distance ± 1 NM. TAS ± 5 knots, G/S ± 5 knots, ETE ± 1 min for each leg. Compute mag hdg ± 5°.
6. Fuel per 95-1 ± 100 lbs.
7. Complete and file flight plan.

TASK 1006
Plan an IFR flight
1. Aircrew & ACFT capable.
2. Determine if flight can be done w/in reg's.
3. Determine dep, enr, dest procedures.
4. Select Route/Alt's.
5. Off-airway courses ± 5°.
7. Dist. ± 1 NM. TAS ± 5 knots, G/S ± 5 knots, ETE ± 1 min for each leg.
8. Fuel per 95-1 & 1-240, ± 100 lbs.
9. Complete and file flight plan.

TASK 1012
Verify aircraft weight and balance
1. Verify that CG and gross weight remain within limits for duration of the flight.
2. ID all mission/flight limits imposed by weight/CB.
3. Ensure DD Form 365-4 is w/in 90 days.

TASK 1013
Operate Mission Planning System
1. Configure & operate approved mission planning software.
2. Evaluate & enter all pertinent weather data, as appropriate.
3. Select & enter appropriate primary & alternate routes.
4. Select & enter appropriate tactical/terrain flight mission planning control features.
5. Select & enter appropriate communication data.
6. Load mission data to data transfer device, if applicable.
7. Print out TDH cards, waypoint lists, crew cards, communication cards, & knee cards as required.

TASK 1014
Operational checks on ALSE
1. Inspect operational checks on ALSE.
2. Use personal and mission ALSE.
3. Brief passengers using in ALSE.

TASK 1015
Determine dynamic aircraft performance in-flight
1. Update aircraft performance data when either of the following conditions apply with intent to land or takeoff:
   - When operating w/in 3,000 lbs of MGW OGE.
   - Increase of 1,000 PA and/or 5° C from planned PPC.
2. Update aircraft performance data using software or CL tables for the following items:
   - Max TQ avail
   - Max gross weight OGE
   - TQ req'd to hover at MGW OGE & IGE
   - Aircraft operating weight
3. When not using software determine values w/in following parameters:
   - Torque values ± 2%.
   - Weight values ± 500 lbs.

TASK 1016
Perform internal load operations
1. Perf/ensure PAX briefed, manifested.
2. Ensure PAX/Cargo is restrained.
3. Ensure floor loading limits are not exceeded.

Nonrated:
1. Perf PAX briefed, manifested.
2. Load aircraft IAW load plan, if applicable.
3. Ensure floor loading limits are not exceeded.

TASK 1020
Prepare aircraft for mission
1. Install, secure, inspect & inventory all mission equipment.
2. Prepare the aircraft for the assigned mission.

TASK 1022
Perform pre-flight inspection
1. Pre-flight inspection IAW/CL.
2. Review logbook for service intervals and deficiencies.
3. Enter appropriate information on -13/13-1 per DA Pam 738-751.

TASK 1024
Before start enge/before leaving helicopter checks
1. Perform checks per -10/CL & HIT procedures.
2. Enter appropriate information on -12/13-1 & HIT log.

TASK 1025
Operate IHMS
1. Verify administrative data.
2. Perform crew change procedures when appropriate.
3. Perform vibration event data capture when appropriate.
4. Perform HIT.

TASK 1026
Maintain airspace surveillance
1. Brief surveillance procedures prior to flight.
2. This will include scan sectors.
3. Announce unplanned drift or altitude changes. Clear the aircraft. Inform crew members of traffic and obstacles that pose a threat.
4. Announce when focused inside/outside (time limit appropriate for conditions).
5. Maintain airspace surveillance in assigned scan sector.
**TASK 1028**
Perform hover power check
1. Determine if aircraft weight exceeds MGW.
2. Verify aircraft operating weight.
3. Determine sufficient power is available to perform the mission.

**TASK 1032**
Perform radio communication procedures
Rated:
1. Program/check/operate avionics.
2. Establish radio contact. Use correct comm procedures & phraseology per FLIP&7110.65
3. Operate intercom system.
4. Explain two-way radio failure IAW FLIP.
Nonrated:
1. Operate intercom system.
2. Use appropriate radio to communicate with desired facility.

**TASK 1034**
Perform ground taxi
1. Maintain speed appropriate for conditions.
2. Maintain ground track within ± 3 feet.

**TASK 1038**
Perform hovering flight
1. Smooth, controlled ascent to hover.
2. Smooth, controlled descent with minimum drift at touchdown.

**TASK 1040**
Perform VMC takeoff
1. In trim above 50 feet AGL or as appropriate for transition to mission profile.
2. Estimate ETI point and establish abort line to assist in type of takeoff.
3. Determine type of takeoff that requires min amount of power; considering GW, Available power, Distance from obstacles.
   a. Constant angle.
   b. Vertical.
   c. Level acceleration.
   d. Rolling takeoff.

Additional standards for rolling takeoff:
1. Before liftoff:
   a. Establish & maintain power, as necessary
   b. Aligned w/takeoff direction ± 5°
   c. Accelerate to takeoff speed, NTE 60 KG/S.
2. After liftoff:
   a. Adjust power, as req, NTE limits.
   b. Track aligned w/takeoff direction, min drift.
   c. Maintain Vy ± 5 KIAS.
   d. Maintain alignment while below Vy.

**TASK 1042**
Navigate by piloting and dead reckoning
1. Orientation within 1/2 mile or 800 meters.
2. Arrive at check point/dst ETA ±1 minute.

**TASK 1044**
Perform VMC flight maneuvers
1. Enter, operate in, and depart a traffic pattern.

**TASK 1046**
Perform fuel management procedures
1. Initiate fuel check within 10 minutes of leveling off or entering mission profile.
2. Compute & complete burn rate ± 50 lb/hr, 15 to 30 minutes after initial readings.
3. Monitor remaining fuel and continuing rate of consumption.

**TASK 1048**
Select LZ / PZ / holding area
1. Perform map, photo, or visual recon.
2. Determine suitability of the area for operations & provide detailed info to supported unit.
3. (For power critical landings), Establish altitude, airspeed, flight path for high recon; considering terrain and environmental conditions.
4. Determine approx. wind direction and velocity at touchdown point and other pertinent wind characteristics in proximity to the LZ.
5. Assess the LZ Size, Axes, Surface conditions, and Obstacles.
6. Plan ingress/egress including escape routes above and below ETL.
7. Perform a low recon to confirm winds and plan formed from the high recon.

**TASK 1054**
Select LZ / PZ / holding area
1. Perform VMC approach
2. Select a suitable landing area. (analyze Suitability, Barriers, Wind, Approach path, Touchdown point & Takeoff direction.
3. Ensure sufficient power for type approach.
4. Constant approach angle clear of obstacles.
5. Rate of closure appropriate for conditions.
6. Detect aircraft operating weight.
7. Align aircraft with landing direction below 50 feet AGL.
8. Smooth controlled termination to a hover or to the surface.
9. Monitor wind conditions using CI.
10. Determine wind direction and velocity at the landing point.

**TASK 1055**
Perform VMC flight maneuvers
1. Enter, operate in, and depart a traffic pattern.

**TASK 1058**
Perform VMC approach
1. Select a suitable landing area. (analyze Suitability, Barriers, Wind, Approach path, Touchdown point & Takeoff direction.
2. Ensure sufficient power for type approach.
3. Constant approach angle clear of obstacles.
4. Rate of closure appropriate for conditions.
5. Detect aircraft operating weight.
6. Align aircraft with landing direction below 50 feet AGL.
7. Smooth controlled termination to a hover or to the surface.
8. Monitor wind conditions using CI.
9. Determine wind direction and velocity at the landing point.

**TASK 1062**
Perform slope operations
1. Select a suitable landing area.
2. Set parking brake before landing.
4. Heading ± 5°.
5. Drift ± 1 ft until touchdown & then no drift allowed.
6. Smooth controlled ascent from the surface.

**TASK 1064**
Perform roll on landing
1. Select a suitable landing area.
2. Constant approach angle clear of obstacles.
3. Ground track with landing direction.
4. Smooth touchdown & termination appropriate for conditions, ±60 KG/S, ± 5° heading.
5. Ensure touchdown speed is no slower than that appropriate for the conditions.

**TASK 1068**
Perform go around
1. Determine when a go-around is required.
2. Immediately apply appropriate power to initiate a go-around.
3. Immediately adjust pitch attitude to clear obstacles and achieve appropriate climb airspeed for conditions.

**TASK 1070**
Respond to emergencies
1. ID malfunction/determine appropriate EP, Perform/describe procedures per -10/CL.
2. Perform/describe procedures per -10/CL.
3. For AFCS off, when hover is required, maintain altitude ± 5 ft heading ± 20°

**TASK 1082**
Perform autorotation
1. ID malfunction/determine appropriate EP, Perform/describe procedures per -10/CL.
2. Adjust airspeed appropriate to ensuring landing.
3. Decel & terminate as directed by the IP or as appropriate for the emergency per -10.

**TASK 1142**
Perform digital communications
1. ID malfunction/determine appropriate EP, Perform/describe procedures per -10/CL.
2. Select a suitable landing area.
3. Adjust airspeed appropriate to ensuring landing.
4. Decel & terminate as directed by the IP or as appropriate for the emergency per -10.

**TASK 1155**
Negotiate wire obstacles
1. Locate and estimate height of wires.
2. Determine best method to negotiate.
3. Safely negotiate, minimizing time unmasked.

**TASK 1162**
Perform emergency egress
1. Perform/describe use of emergency exits.
2. Perform/describe evac. of pilot/CES/PAX from seat.
3. Perform/describe emergency engine shutdown.
4. Assist in marshaling PAX to designated assembly area.
5. Perform/describe duties as briefed in the crew mission briefing.
**TASK 1166**  
Perform instrument maneuvers  
1. Tune/ID appropriate NAVAIDs.  
2. Determine intercept and maintain desired course ± 5°.  
3. Maintain desired heading ± 5°.  
4. Maintain desired DME arc ± 1 nautical mile.  
5. Identify station passage.

**TASK 1168**  
Perform CIS procedures  
1. Configure HIS/VSI Mode select panels & CIS to obtain desired nav data & commands.  
2. Follow roll, pitch, and collective position indicator commands as appropriate.

**TASK 1170**  
Perform instrument takeoff  
1. Comply with appropriate DP.  
2. Maintain power to climb at or above minimum climb rate on the DP.  
3. Maintain accelerative climb attitude until climb airspeed is attained.  
4. In trim after ETL.

**TASK 1174**  
Perform holding procedures  
Tune and ID appropriate NAVAIDs.  
Enter the holding pattern.  
Time and track holding pattern legs.  
Send the appropriate report to ATC per DOD FLIP.

**TASK 1176**  
Non-precision approach  
1. Perform the approach.  
2. NDB within 5° of centerline.  
3. VOR within 5° (± 1 dot).  
4. LOC within 2.5° (± 2 dot).  
5. ASR make immediate heading/altitude changes, course ± 5°.  
6. Comply with descent minimums.  
7. Perform correct missed approach at MAP if landing cannot be completed per AR 95-1.

**TASK 1178**  
Perform precision approach  
1. Perform the approach.  
2. ILS - LOC within 2.5° (± 2 dot) and glide slope within .5° (± 2 dots).  
3. PAR make immediate heading/altitude changes, heading ± 5°, glide slope per ATC.  
4. Comply with DH.  
5. Perform correct missed approach at a DH if landing cannot be completed per AR 95-1.

**TASK 1180**  
Perform emergency global positioning system recovery procedure  
1. Enter/Confirm appropriate waypoints (IAF/IF/FAP/MAP).  
2. Execute the procedure according to an approved recovery procedure.  
3. Airspeed as briefed <90 KIAS for all segments of the approach.  
4. Maintain course ± 5°.  
5. Comply with prescribed descent minimums.  
6. Arrive at MDA prior to MAP.  
7. Execute a missed approach at the MAP if a safe landing cannot be done.  
8. During missed approach, immediately establish a climb using an appropriate rate of climb airspeed (until established at the MSA).

**TASK 1182**  
Unusual attitude recovery  
1. Analyze aircraft attitude.  
2. Without delay, use correct recovery procedures.  
   - Attitude – Level wings.  
   - Heading – maintain; turn to avoid kn. obst.  
   - Torque – adjust as necessary.  
   - Trim – as necessary.  
   - Airspeed – adjust as necessary.

**TASK 1184**  
Respond to inadvertent IMC  
1. Announce “IMC”, maintain aircraft control, immediately transition to instrument flight, and initiate immediate climb.  
2. Initiate correct IMC recovery procedures.  
   - Attitude – Level wings.  
   - Heading – maintain; turn to avoid known obstacles or as briefed for multiship.  
   - Torque – adjust as necessary.  
   - Trim – as necessary.  
   - Airspeed – adjust as necessary.  
3. Contact ATC as req’d. Comply with ATC, local regs & SOP.

**TASK 1188**  
Operate ASE  
Rated:  
1. Describe the purpose of installed ASE.  
2. Perform/describe pre-flight, turn on, test, operation, EP’s & shutdown of installed ASE.  
3. Employ/describe using installed ASE.  
Nonrated:  
1. Prepare equipment for operation.  
2. Employ/describe using installed ASE.
UH-60 TASK STANDARDS (TC 3-04.33)

**TASK 2010**
Perform multi-aircraft operations

**Rated:**
1. Participate in a formation flight briefing IAW unit SOP.
2. Maneuver into the flight formation.
3. Change position in the flight formation when required.
4. Maintain proper horizontal and vertical separation for type of formation.
5. Announce if visual contact is lost with other aircraft.
6. Perform techniques of movement, if required.

**Nonrated:**
1. Assume position in helicopter, as briefed, to observe other aircraft in the formation.
2. Announce if visual contact is lost with other aircraft.

**TASK 2012**
Tactical flight mission planning
1. Analyze the mission using METT-TC.
2. Map or photo recon, Plot hazards.
3. Select altitudes/terrain flight modes.
4. Select primary and alternate routes.
5. Distance ± 1 ft, ± 500 ft AHO, know location within 2000m.
6. FUEL ± 100 pounds.
7. Obtain and evaluate WX briefing.
8. Thorough crew mission briefing.

**TASK 2014**
Perform ECM/ECCM procedures
1. Test & operate aircraft avionics & voice security equipment IAW the -10.
3. Use the SOI.
4. Recognize & respond to enemy electronic countermeasures.
5. Operate Mark XII IFF system.

**TASK 2022**
Transmit tactical reports
1. Transmit the appropriate report using the current SOI.

**TASK 2024**
Perform terrain flight navigation

**Rated:**
1. NOE (surface) to 25 ft AHO, know location within 200m.
2. Contour (25 to 80 ft AHO) or Low level (80 to 200 ft AHO), know location within 500m.
3. Locate each objective within 100m.
4. Arrive at each objective at planned time ± 1 minute (if objective time was briefed).

**Nonrated:**
1. Announce terrain features to aid navigation.

**TASK 2026**
Perform terrain flight

**Rated:**
1. Maintain altitude & airspeed appropriate flight mode, terrain, WX, visibility & METT-TC.
2. In trim; Contour, Low level, & when appropriate for NOE flight.
3. Maintain constant scan of assigned sector.

**TASK 2034**
Perform masking and unmasking

**Rated:**
1. Perform map recon of observation area.
2. Mask aircraft from enemy visual and electronic detection.
3. Exposure doesn’t exceed 10 seconds.
4. Observe assigned sectors during unmasking.
5. Maintain sufficient distance behind obstacles to allow for safe maneuvering.
6. Move to new location before subsequent unmasking.
7. Report observations if required.

**Nonrated:**
1. Scan assigned sector.
2. Announce if/when the lateral sides of the aircraft are exposed or unmasked.

**TASK 2036**
Perform terrain flight deceleration

**Rated:**
1. Maintain heading alignment with flight path.
2. Maintain tail clear of obstacles.
3. Decelerate to desired airspeed or full stop.

**Nonrated:**
1. Maintain tail clear of obstacles.

**TASK 2040**
Perform Evasive Maneuvers

1. Perform appropriate Evasive Maneuver (EVM) communications.
2. Perform appropriate EVM for threat type.
3. Evaluate any damage to aircraft.
4. Recommend or execute a course of action.

**Description elements:**
- Unguided weapon employment methods; Aimed fire, Curtain fire, Barrage fire.
  - Aimed fire – away, jink. Suppress.
  - Curtain fire – depart area.
  - Barrage fire – depart “box”, don’t jink.
  - Tanks – away, jink (vertical is best).
  - Artillery – depart area by 500m, reposition every 20 seconds, and report receiving fire.
- 2. AAA
  - Use unguided weapon CMs to defeat the projectiles themselves.
  - For radar aided AAA use Radar guided CMs.
  - SACLOS missiles - ATGMs; slow or high speed, & may use wire, radio or laser for command link.
  - Radar guided – see classified TTP.
- 5. Heat seeking (IR) – see classified TTP.
- 6. Fixed Wing – toward, descend, mask.
  - Be predictable to friendly’s (ATO, Squad).
  - Consider use of all organic weapons available;
    - Missiles
    - Artillery
    - Aimed fire
  - Barrage fire.
  - Air-to-ground gun/rocket – enemy has, .5-3 sec engage time & limited cannon/rocket ammo.
  - Air-to-ground bomb – depart perpendicular from bomb line, minimizing fragment density.
  - IR/radar missiles – see classified TTP.
- 7. Helicopters – rotor-mask; operate above the enemy helicopter.
  - Maintain maneuver energy; above bucket speed.
  - Maintain enemy sight until destroyed if able.
  - Vector other friendly helo’s onto enemy.
  - Deny enemy ability to engage; exit WEZ & climb to rotor-mask.
  - Consider use of all organic weapons available; thin skin target.

**TASK 2042**
Perform Actions on contact

1. Use correct actions on contact consistent with the mission briefing.
2. Transmit tactical report per the SOI unit SOP, and or mission briefing.

**TASK 2048**
Perform Sling Load operations

1. Before hookup; Verify copy of DA Form 7382-R is complete/on file and act will remain w/in CG & weight.
2. **Hookup & hoist:**
   a. Ensure ACFT is clear of Load/Obstacles.
   b. Ascend to load height of 10 ft ± 5 ft.
   c. Determine power sufficient to continue.
3. **Takeoff:** In trim above 100 ft. AGL.
4. **Approach & load release:**
   a. Constant angle clear of obstacles.
   b. Descend to desired spot ± 5 ft.

**Nonrated:**
1. Ensure aircraft is configured, Slings inspected, and sling equipment is secure in the aircraft before takeoff.
2. Provide aircraft guidance for hookup & release.
3. Clear aircraft & load during operation.
4. Confirm load is hooked and secure.
5. Ensure load is free of entanglements.
6. Continue to monitor load for oscillation.
Rated:

1. Conduct premission planning; determine fuel & bucket cinching req’s. Verify actf will remain w/in CG & weight.
2. Conduct thorough crew briefing.
3. Ensure proper system operation prior to departure.
4. Operate Bucket per manufacturer spec.
5. Recognize/Respond to water bucket system malfunction.
6. Use dipping procedures appropriate for the water bucket type.
7. Hook-up and hover:
   - Maintain vertical ascent heading ± 10°
   - Maintain altitude of load 5 ft. AGL ± 1 ft.
   - Complete hover power and GO/NO GO checks.
8. En Route: Maintain safe load obstacle clearance (min 50 ft. above highest obst.)
9. Approach & water release:
   - Constant approach angle to ensure load safety clears obstacles.
   - Ground track aligned w/approach path.
   - Execute a smooth and controlled pass or termination over the intended point/area of water drop.
   - Deploy water as directed in proper location, orientation, and/or length

Nonrated:

1. In conjunction with RCM’s, complete bucket checks prior to departure and attach bucket to the aircraft.
2. Ensure bucket is configured for the condition and mode of flight.
3. Recognize and respond to a water bucket system malfunction.

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TASK 2052
Perform water bucket operations

Rated:

1. Conduct a crew and Pax safety briefing.
2. Maintain appropriate hover altitude ± 5 ft. allowing at least 20 ft. of rope on the ground.
3. Don not allow drift to exceed ± 5 ft. from intended hover point.
4. Maintain ropes in continuous contact with ground.
5. Use terminology IAW the unit SOP.

Nonrated:

1. Ensure aircraft is configured for rappelling operations per TC 21-24 & USSOCOM 350-6 when SOP personnel are supported.
2. When briefed, make timing calls informing passengers of status to insertion point.
3. Make rope calls, informing pilots of status of ropes and passengers.
4. Assist the P* to maintain proper clearance on the approach and during the maneuver.
5. Assist the P* to maintain the aircraft over the intended delivery point, and ensure all passengers are safely on the objective or secured in the aircraft prior to rope release and/or aircraft departure.
6. Manage and control door straps and cargo doors.
7. Use terminology IAW the unit SOP.

TASK 2060
Perform rescue hoist operations

Rated:

1. Perform the appropriate hoisting equipment for the required mission (overwater, rapid river, jungle, mountain, or desert operations).
2. Operate the rescue hoist pendant per the appropriate technical manual.
3. Prepare patient for recovery.
4. Secure the patient and equipment for departure.
5. Perform post flight procedures per the operator’s manual/CL.

Nonrated:

1. Prepare the appropriate hoisting equipment for the required mission (overwater, rapid river, jungle, mountain, or desert operations).
2. Operate the rescue hoist pendant per the appropriate technical manual.
3. Prepare patient for recovery.
4. Secure the patient and equipment for departure.
5. Perform post flight procedures per the operator’s manual/CL.