

A-10C AAR

- 1) TACAN FREQ.....set to tanker A/A TACAN freq (as noted from mission briefing)
- 2) TACAN MODE.....set to A/A T/R mode
- 3) Navigation Mode Select Panel (NMSP).....select TCN
- 4) HSI needle and DME.....navigate towards tanker^{1 2}
- 5) VHF AM Radio.....set to tanker VHF AM freq (as noted from mission briefing)
- 6) Safe the aircraft.....master arm, gun, laser, maverick, DSMS³
- 7) Refueling receptacle slipway door.....open and check READY light illuminates.
- 6) VHF AM Radio.....contact tanker pilot and advise of "Intent to Refuel"
- 7) Tanker pilot will clear you to pre-contact and advise of refueling altitude.
- 8) Maneuver to the pre-contact position.⁴
- 9) Once in pre-contact position contact the boom operator and advise "Ready Pre-contact"
- 10) Boom operator will advise "Cleared Contact"⁵
- 11) For successive contacts, cycle the aerial refuel system by pressing the (Nosewheel Steering button)⁶
- 12) When tanks full, boom operator advises "Transfer complete. Disconnect." Disconnect will occur.⁷
- 13) Power to idle, start rate of descent away from tanker.
- 13) Refueling receptacle slipway door.....close
- 14) Maneuver to reform position on right side of the tanker as required.

In the event of breakaway call: "BREAKAWAY, BREAKAWAY, BREAKAWAY"

- 1) Acutate boom disconnect (nosewheel steering button)
- 2) Power to idle.
- 3) Start rate of descent away from tanker.

Notes:

- Optimum A-10C AAR ALT/IAS/MACH = 15,000/220/0.48
- Trim A/C for speed before moving to contact.
- Ignore the HUD info once you are close to the tanker.
- Fly formation on the tanker **NOT** the boom. i.e. look through the boom.
- For better precision while refueling, rest forearm on leg while applying slight pressure as required to the joystick.
- Once connected and taking fuel, make small adjustments as required to keep the boom in the green arc.
- Breathe, wiggle your toes once in a while and relax your death grip on stick.
- If using TrackIR, consider pausing it prior to connecting.
- Consider keeping feet off rudder pedals, flat on the floor.
- Ready light will stay illuminated for 3 minutes after refuel receptacle slipway door is closed.
- When receptacle slipway door is open the EAC is disabled and autopilot will not work.
- Practice, practice, practice.
- KC-135 fuel transfer rate to A-10C with 2 pumps = 2400 PPM.
- Approximate time to fill internal tanks starting from:
 - 75% fuel state is.....1.2 min
 - 50% fuel state is.....2.3 min
 - 25% fuel state is.....3.5 min
- NKAWTG!⁸

1 Generally the receiver will maintain 1000' below air refueling base altitude until visual contact is established with the tanker. Receivers are normally to join from below and are to maintain a minimum of 1000 ft vertical separation, until visual contact and positive identification has been made.

2 Once the receiver(s) is visual with the tanker, receivers are clear to join and should initiate a progressive climb towards the tanker. Aircraft without radar shall not proceed inside 1 nm unless the tanker is in sight.

3 Safe the aircraft, Master Arm switch SAFE, GUN/PAC switch SAFE, LASER switch SAFE, Maverick EO power OFF.

4 When directed by the tanker, the receiver moves from the Observation Position (left-hand side behind the wing line of the tanker for joining aircraft), to the pre-contact position. In the pre-contact position (approximately 50' behind the tanker and slightly below the tanker boom nozzle), stabilize and establish a zero rate of closure on the tanker. Match and trim your speed to that of the tanker. Once stable in the pre-contact position, the receiver(s) await further instruction from the tanker.

5 The receiver will be cleared for contact. Move forward and close on the tanker at 2-3 knots until reaching the contact position. Align the boom with the center longitudinal axis of the aircraft. Make constant reference between the boom and the tanker fuselage and avoid chasing the boom.

6 An alternative method of cycling the aerial refuel system is to close and opening the slipway door.

7 To manually disconnect, you can press the nosewheel steering button on the control stick and disconnect will occur.

8 Nobody Kicks A** Without Tanker Gas