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617 | COM-01: IP’s checklist

617 Squadron

Instructor Pilot’s checklist

132nd Virtual Wing



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617 | COM-01: IP’s checklist

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# COM-01 Instructor Pilot’s guide

*Requirements*: Student pilot has self-qualified for the set lessons and are ready to receive the 132nd way of readying the aircraft as well as communication.

*Success criteria:*

By the end of the mission, the student should have been given instruction in how to setup the aircraft to comply with 617th SOP and is capable of communicating with Ground, Tower and Approach as well as basic Brevity for airborne operation.

Note “able to”: the goal is to *familiarise* the student with 132nd way of setting up the A-10C. Confidence and skills comes with additional training.

*Execution:* This mission is briefed and carried out as a normal training mission.

Always keep the student’s experience and ability in mind: some will know this stuff better than you do, others will find it *very* challenging and tiring. The checklist-items marked optional are only for those students for whom this mission is easy. Some will have hundreds of hours, others maybe just a few.

## Instructor Pilot’s preparation

1. Study this document, and prepare a mission briefing based on the TRP-track and this document. (The briefing should not be so advanced as to require it to be sent to the student in advance.)
2. Make a rough flight plan for how and where to conduct the training. The area around Poti is good, both because of the terrain and because it’s well away from the ranges.

## Briefing

LOADOUT:

|  |  |
| --- | --- |
| Lead: | TGP, Jammer, full guns and 80% fuel |
| Wingman: | TGP, Jammer, full guns and 80% fuel |

No need to load the aircraft heavier as the goal is to conduct airport operation.

The entire flight should take about 2 hours

## Checklist

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ENR | item | note | success criteria |
| ☐ | *Coms chatter* | Explain the idea behind the Flight Coms chatter so that student understand why to keep internal flight coms to this section in order to avoid cluttering up the main chatter list. |  |  |
| ☐ | *ATO* | Give the student a short briefing in what can be found in the Air Tasking order and the basic requirements for reading it. |  | Student can interpret own flight number, call sign and internal frequencies |
| ☐ | *Frequencies* | Show where to find the frequencies from the ATO in the standard 132nd Frequency list and which frequencies are pre-set.  Explain how to perform check in after FL calls in. | In order to use the pre-set radio frequencies Student shall not download anything.  Confirm that Student know how to set up radios for pre-set frequencies. | Student can confidently check in on any of the given frequencies, pre-set or not. |
| ☐ | *Emergency frequency* | Student must be able to set up UHF for BOTH in order to monitor the Guard frequency. |  | Student must be able to talk on Guard in case of an emergency. |
| ☐ | *Briefing* | Conduct standard briefing, and use extra time to explain quickly the mission objectives, and roughly how you’ll achieve them. Allow for “extra” questions.  Explain how GID, OID & laser codes are derived from flight number | It’s a TRP-flight. Do not assume the pilot knows everything- perhaps he’s never done a formation take-off before.  Confirm Student is familiar with terms;  Blind/Visual |  |
| ☐ | *Checking In* | Instruct student on how to respond to check in call from FL after powering up the aircraft.  NOTE! Engine start is not approved only bring APU online | * Battery power ON * Inverter to STBY * APU START ON * APU generator ON * Power up all radios. * Set lights according to 617th SOP   + Position lights to FLASH   + Anti-collision lights OFF   + Taxi/Landing lights OFF   + Formation lights as instructed * Set radio frequencies | Student shall be able to perform power up and check in on radios.  Student should be able to set light correctly. |
| ☐ | *Setting up system* | In accordance with the 132nd Way;   * Set GID & OID * Confirm. purple color and notify with TIMER SWEET/SOUR * Set Bull Eye visual in HUD. * Flight lead may call an ALPHA CHECK with his location in relation to Bulls Eye. You will then reply with your location. * Ready CDU to show Taxi speed/ground speed. * Enter flight plan into the CDU and confirm it’s visual on TAD. * Load aircraft according to Load out listed in the MDC. | Additionally show Student how to set up radar altimeter and vertical velocity in the HUD  Take time to explain how to setup Bulls Eye in HUD, setting up a flight plan etc. as many have a profound fear of the CDU  Explain how the CDU is already loaded nav. Points and how to find them in the “Airspace kopi” and “Mission template” | Student is able to have the aircraft readied in according with list |
| ☐ | *Taxi* | Explain how the different taxi forms are conducted and what instructions Student will receive from FL | Confirm that Position light are set to Steady once aircraft is ready for taxi |  |
| ☐ | *Pre-check* | Instruct in what is checked during pre-checks and why it’s important to do while Holding Short   * + Set Flaps   + Set Landing lights   + Set Pito heat ON   + Set Anti Collision Light ON   + Check function of speed brakes, ailerons and elevators   + Check Take Off trim is set   + Check cockpit.   + Hook ship set | Make sure that Take Off trim lights up ensuring that trim is set correctly. Otherwise an incorrectly trimmed aircraft can be difficult to handle once airborne | Student applies checks satisfactory |
| ☐ | *Line up/take off* | Instruct the student what is said during the line-up and spool up phase.  “1 take left, 2 take right”  “Spool ‘em up”  “In the green” or ”abort abort abort”  “Release” | Student must be able to understand the instructions given and check done prior to entering the active runway | Satisfactory understanding of the instructions used. |
| ☐ | *Coms* | During the entire lesson make sure that emphasis is put on how to conduct coms with ground, tower and approach, i.e.  ☐ Start-up Clearance  ☐ Taxi Clearance  ☐ Line-up Clearance  ☐ Take-off Clearance  ☐ Checking in with Approach  ☐ Checking in with Tower  ☐ Follow instructions given by TWR/TMA  ☐ Landing Clearance  ☐ Taxi Clearance  ☐ Shutting down | Student shall go through the same steps as FL has demonstrated before hand | Student must be able to conduct coms with GND/TWR/TMA in a satisfactory ensuring that Student understand the Hold Short instructions as well as when Student is given a Clearance and Student is not |
| ☐ | *Taxi and parking* | Take the student through taxi and parking procedures. |  | Satisfactory taxi and parking. |
| ☐ | *Debrief and update student qualifications* |  |  |  |