

## Presentation Outline

5/10/09

Date presented \_\_\_\_\_

Subject: Becker ELT DF operation

### Points

Ref: <http://www.gocivilairpatrol.com/members/Emerg Svcs/Ops/Links/Trng Mat'ls/Aircrew and Flight Line/MAS/Curriculum/Becker DF Manual>

NOTE: This ref will get you to the factory installation and operation manual, and also to the CAP MAS manual.

1. Unit is installed in a/c and used to home in on an activated ELT (actual or training beacon) on the ground, in order to locate it.

2. Photos (Figure nos. are from the factory manual) to use where indicated in para. 3:

- Display and antenna (Fig. 1-1)
- Panel closeup (on cover of manual). Point out:
  - On-Off button
  - PAGE switch
  - Squelch knob
  - Volume knob
- Screen after turning unit on (Fig. 3-1)
- Three screen presentations
  - 360 deg view - used most (Fig. 3-3)
  - 90 deg view (Fig. 3-5)
  - Digital reading (Fig. 3-6)

3. Operation:

NOTE: This covers only the basic operation. Refer to (and carry) the reference for further info.

NOTE: Overview of system. Note this is different antenna than older ELT DF antenna.

The display is located on instrument panel in front of MO. Fig. 1-1

- Turn on power (push). (Mission master sw. must be on.) Will get this display. Fig. 3-1

- Immediately select Emerg or Trng mode using PAGE sw. Will get this display. Fig. 3-3

- black ball/white balls: Black ball is target direction relative to a/c. White balls are measure of accuracy - the closer they are, the more accurate is the black ball indication.

- digital relative bearing

- frequency (We are interested in 406.025/121.5/243.0 for actual emergencies.)

- page no.

- volume level (Erroneously shown as OFF in this figure?)

NOTE: 360 deg display (pg no.1) used most, but a 90 deg and digital display (pg no. 2 & 3) are also available. Fig. 3-5 and 3-6

- Select freq. (lower right for actual emergency freq-for training freq, go to pg no. 6 and see the reference, section 3.4, for details)

- Adjust vol. (lower left) and squelch (upper left) knobs to get and keep triangle below top of bar.

- Listen on a/c comm 121.5 (squelch out) and/or Audio panel AUX

- Help guide pilot to follow the black ball. Keep vol/squelch adjusted. When black ball flips to bottom, you're over target.

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