JTAC 9 LINE UTM COORDINATE ENTRY PROCEDURE

Version 1

Pictures from the DCS A-10C Flight Manual

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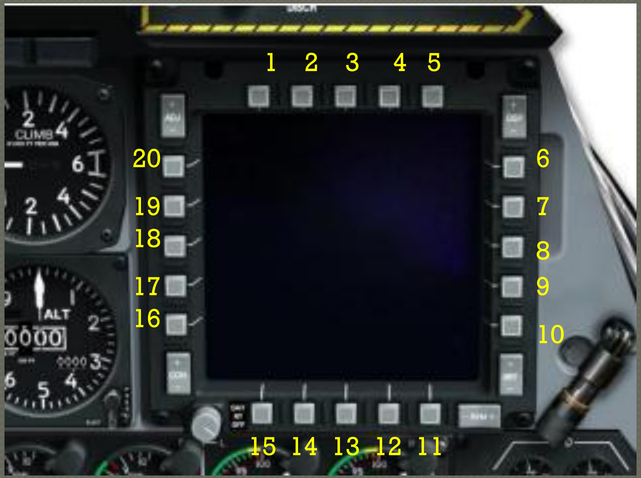
THANK YOU DCS

- Just want to start off thanking DCS for making a true Simulator. It has been a long time since the last attempt at a U.S. combat airframe at this level of fidelity. The need for this UTM Coordinate Entry Guide is a testament to that level of fidelity.

INTRODUCTION

- This guide is designed to help the reader input a UTM coordinate provided by JTAC in the 9 Line report, into the CDU as a new waypoint. This is so that you will have a backup plan if the Data Linked Target from the JTAC does not come through due to an incorrect SADL Net setting.

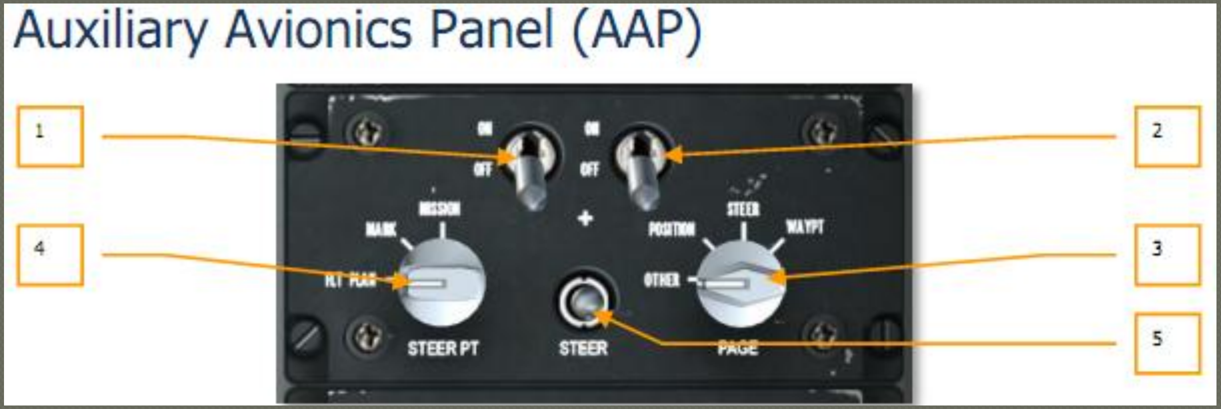
REQUIRED KNOWLEDGE - MFCD



- This Guide references button presses on the bezel of the Right MFCD. The buttons are arranged on all 4 sides of the MFCD and are referred to as OSB Buttons. Each side of the MFCD has 5 OSB Buttons.
- The OSB Buttons are identified by a numbering system that begins with the top row, left most button, and continues clockwise around the MFCD bezel.
- This concept is illustrated in the image above with the yellow numbers around the MFCD bezel.

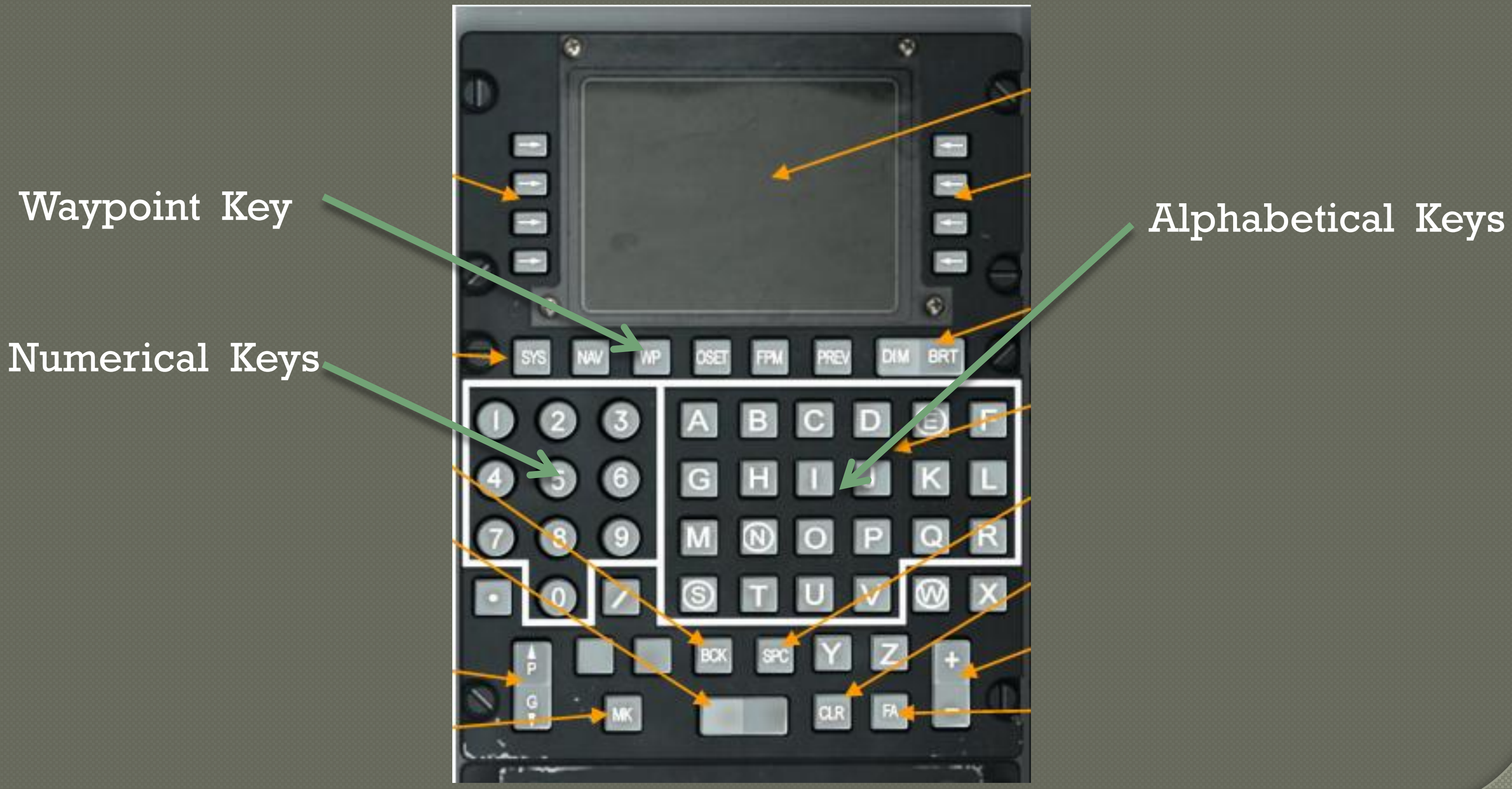
REQUIRED KNOWLEDGE – AAP

- You will need to interact with the AAP (Auxiliary Avionics Panel) that is located just below the CDU.
- The STEER PT Dial referenced below as 4 in the image, is a dial you will need to interact with on the panel.



REQUIRED KNOWLEDGE - CDU

You will need to interact with the following buttons on the CDU as well as the numerical and alphabetic keys:



Waypoint Key

Numerical Keys

Alphabetical Keys

SUGGESTED MATERIALS

- Having the right tools for the job, makes the job easier to manage. That is very relevant in the high task saturation environment of the A-10C Pilot. I suggest making it a habit to use a Mission Data Card to help you manage all the data points you need during a flight.
- Use a Mission Data Card to get all the info from JTAC on the target UTM coordinate and the specific weapon, direction of attack, direction of egress and weapon requested for that target.

SAFETY FIRST

- You will want to concentrate on the data given to you by the JTAC Controller and flying and writing do not mix, so I suggest a controlled orbit. Here is how.
- Find a safe area to do a wide orbit. Set your autopilot to ALT and then make a left or right banking level turn and hold it. Then engage the autopilot and ensure it is holding the turn and you have no elevation conflicts around you.

STEP BY STEP UTM COORDINATE ENTRY

- The UTM coordinates will be in the form of 2 letters and 6 numbers.

  Make sure your STEER PT switch on your AAP Panel is set to FLT PLAN.

  Set your right MFCD to the CDU repeater function.

  __NOTE__: If your CDU is not on the WAYPOINT PAGE, then hit the WP key on the CDU, or FUNC 3 on the UFC. This will bring up the page where you can choose to select WAYPOINT by hitting **OSB 7. You should now be on the WAYPOINT PAGE and ready to continue.*

  Hit **OSB 10** to switch from the default L/L (Lat/Long) to UTM.

  Hit **OSB 9** to select the number presented next to the question mark as your new target waypoint.

  Using the CDU or the UFC, enter the 2 letters, and 6 numbers without spaces in the scratchpad.

  Hit **OSB 16** to enter the UTM coordinate in to the computer.

  Verify the number entered is correct.

  Using the CDU or UFC keypad give your new waypoint a unique name eg: TGT A and hit **OSB 7** to change the name.

  Now turn your STEER PT dial on the AAP from FLT PLAN to MISSION.

  Use the UFC STEER rocker or with the HUD as SOI, DMS UP to cycle thru the waypoints until you see the unique name you created for this target.

  Find your target waypoint symbol on the TAD and then use the steering cue's on the HUD to prosecute your attack.