

## VOICEFLIGHT ACTIVATION SWITCH (VAS)

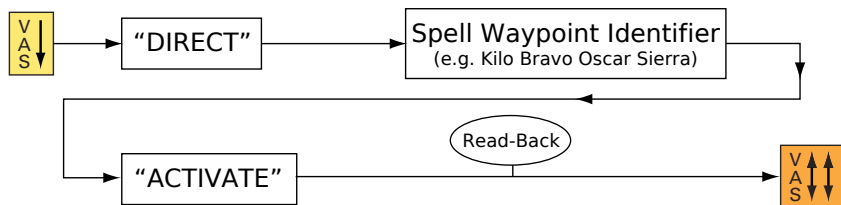
- ▶ VFS101 accepts input only when VAS is depressed
- ▶ VAS depression generates double beep (system ready)
- ▶ Releasing VAS discards partial entries and extraneous noise (Useful for mistakes or accidental speech/noise)
- ▶ VAS release also cancels edit selection and pending airways
- ▶ All VFS101 audio feedback is inhibited after VAS release



## ALPHABETIC IDENTIFIER ENTRY

- ▶ Uses standard ICAO spelling alphabet (Alpha, Bravo, Charlie, etc.)
- ▶ Only standard words are recognized (avoid: Adam, Fox, Ohhh, etc.)
- ▶ Include any airport prefix characters (e.g. KBOS for Boston)
- ▶ Numbers are entered as a string of digits (Victor Fife Zero Niner)
- ▶ Only waypoints within 250 (or 1000) nautical miles are recognized

## DIRECT-TO WAYPOINT ENTRY

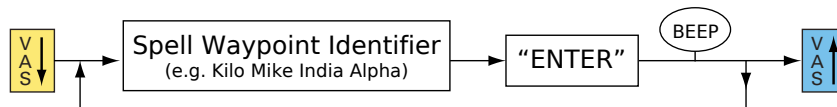


- ▶ Audio readback of recognized direct-to waypoint is provided
- ▶ If correct, waypoint is confirmed by double-clicking VAS (entry is discarded after 2-3 seconds without double-click)
- **CAUTION:** Waypoint and indicated track must be verified on NAV page

## FLIGHTPLAN OPERATIONS

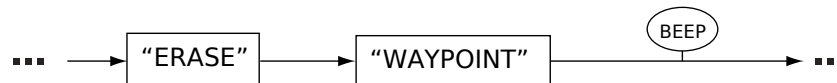
- ▶ VFS101 operates only on active flightplan of primary GPS
- ▶ Title line of active flightplan provides best feedback
- ▶ VFS101 will not operate if an approach is loaded
- ▶ VFS101 operates only on en-route section of flightplan
- ▶ Modification of active flightplan leg is not supported

## ENTERING WAYPOINTS



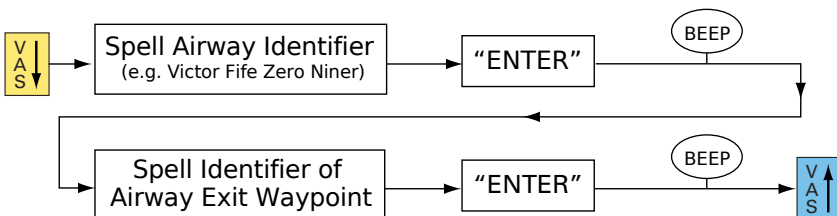
- ▶ Waypoints are added to end of en-route section

## ERROR CORRECTION



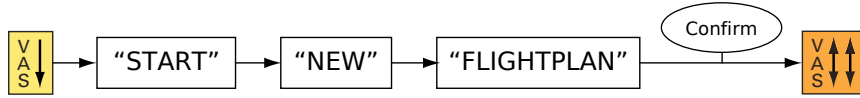
- ▶ Removes last waypoint from en-route section
- ▶ Easily corrects misrecognized or unintended entries

## AIRWAY ENTRY



- ▶ Previous waypoint in flightplan must be on stated airway
- ▶ VAS must remain depressed between airway name and exit waypoint
- **CAUTION:** Waypoints generated for an airway must be carefully verified. Pay special attention to omitted waypoints if airway compression is enabled.

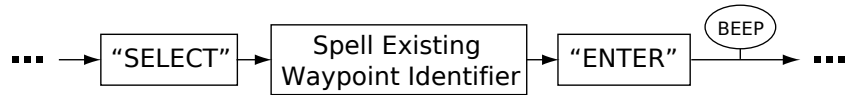
## STARTING NEW FLIGHTPLAN



- ▶ Erases entire contents of active flightplan

## ADVANCED EDITING

- ▶ Insertions and deletions normally occur at end of en-route section
- ▶ To edit elsewhere, an editing position must be SELECTED

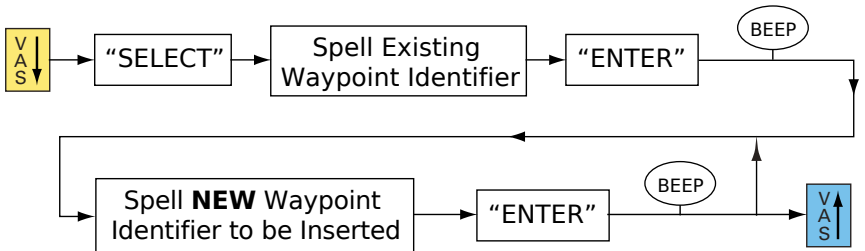


- ▶ Selects a position in flightplan for subsequent edits
- ▶ Selected waypoint is surrounded by asterisks on title line:

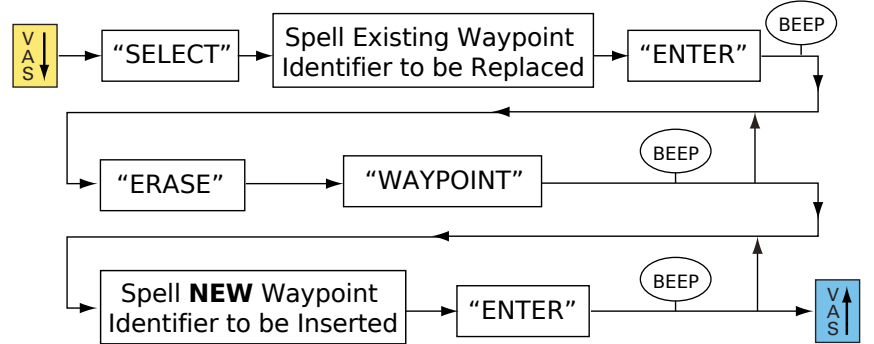
**HFD -> \*BOS\* -> KMHT**

- ▶ **CAUTION:** Blinking cursor in flightplan does NOT reflect VFS101 selection
- ▶ New waypoints are inserted above selected waypoint
- ▶ "ERASE WAYPOINT" removes selected waypoint
- ▶ Selection is canceled when VAS is released
- ▶ Waypoints within departure and arrival procedures can not be selected

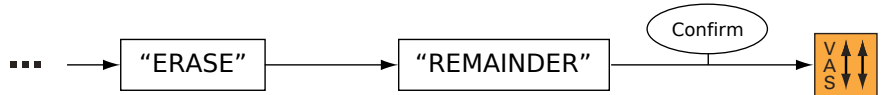
## INSERTING WAYPOINTS INTO FLIGHTPLAN



## REPLACING FLIGHTPLAN WAYPOINTS



## ROUTING CHANGE



- ▶ Only valid while selection is active
- ▶ Erases all waypoints in flightplan after selected waypoint

## SPELLING ALPHABET

Alpha	Juliet	Sierra	Two
Bravo	Kilo	Tango	Three
Charlie	Lima	Uniform	Four
Delta	Mike	Victor	Fife
Echo	November	Whiskey	Six
Foxtrot	Oscar	X-Ray	Seven
Golf	Papa	Yankee	Eight
Hotel	Quebec	Zulu	Niner
India	Romeo	One	Zero