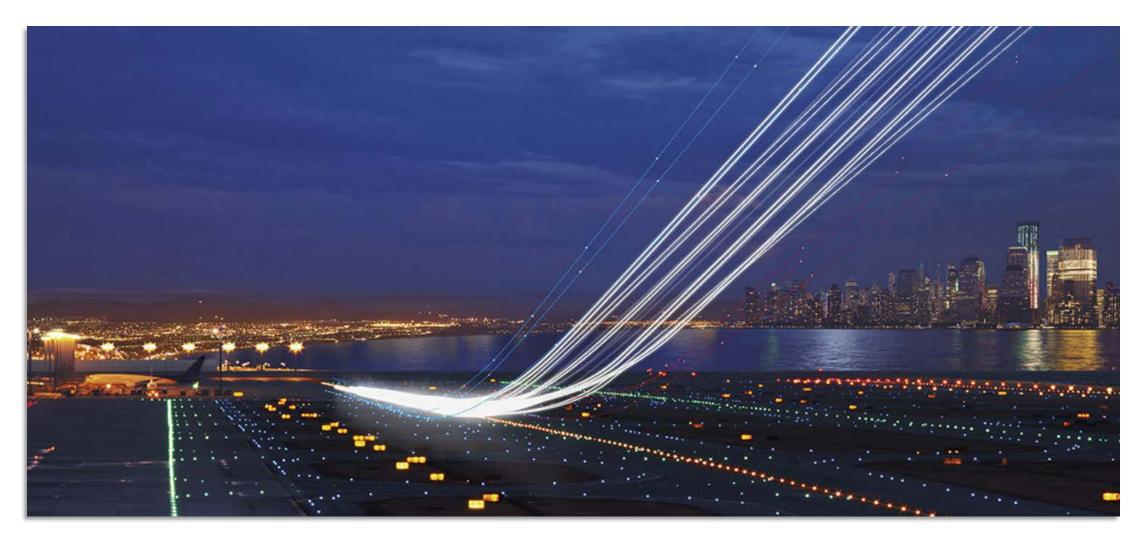
Aircraft Navigation 101



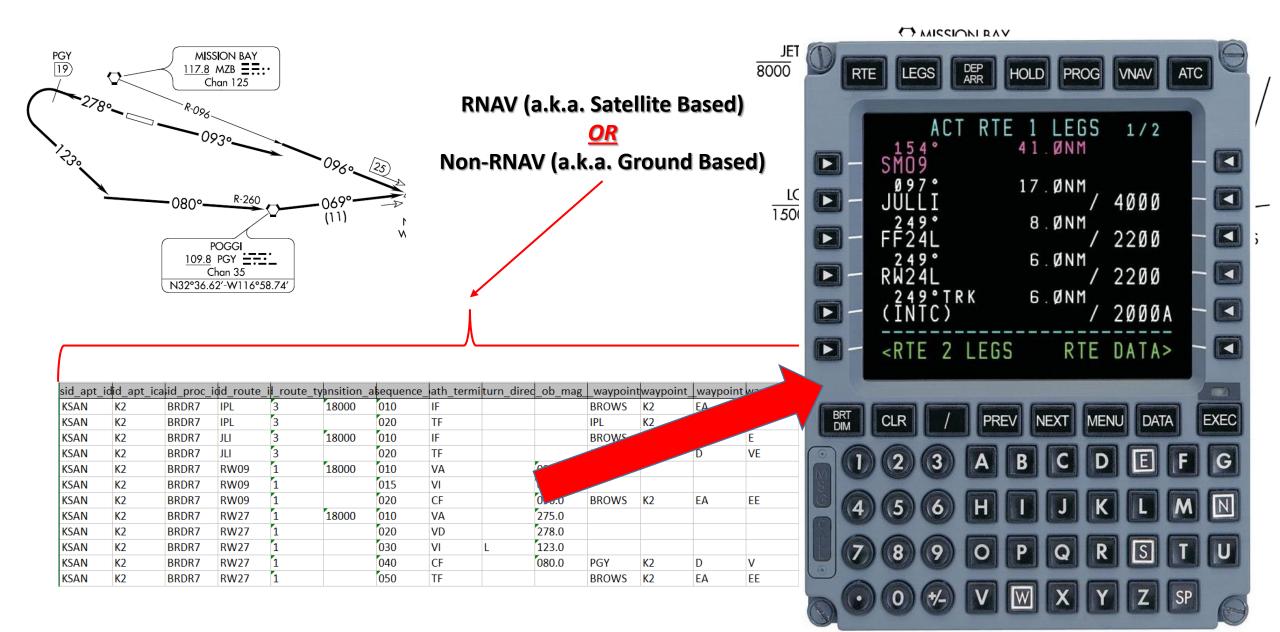
Grady Boyce *Professional Pilot & Flight Procedure Designer*



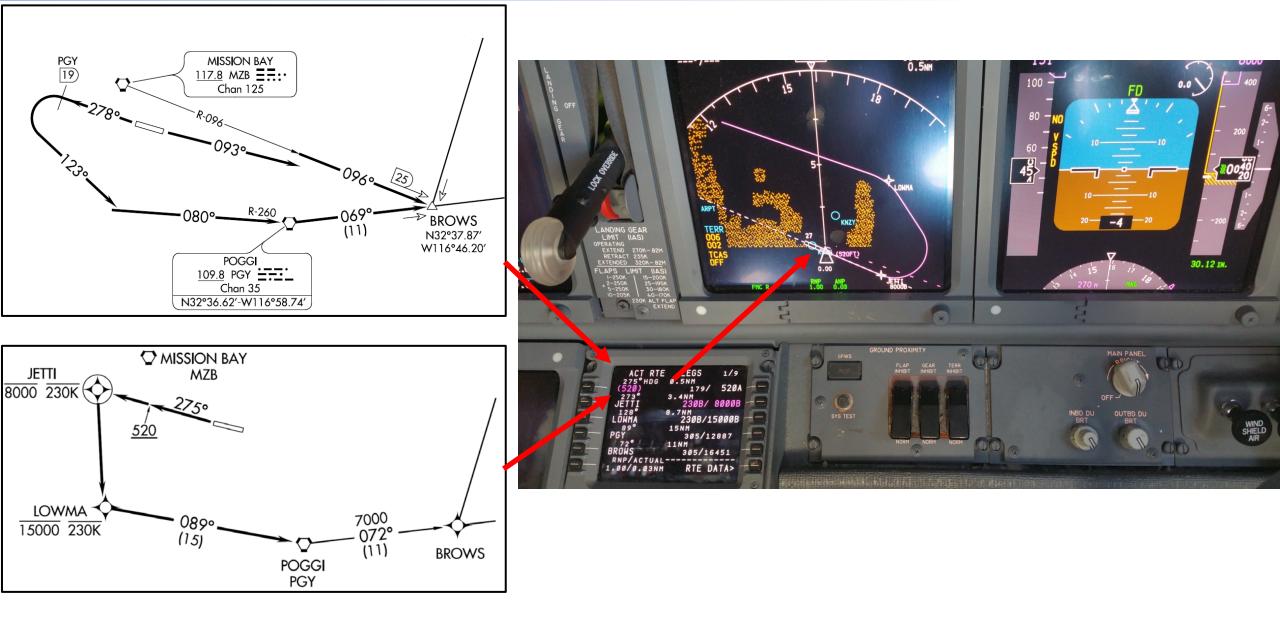
Every flight starts here with the programming of the aircraft & flight plan













When ready for Takeoff, ATC issues: "Aircraft 123, Runway 27, Cleared for Takeoff"

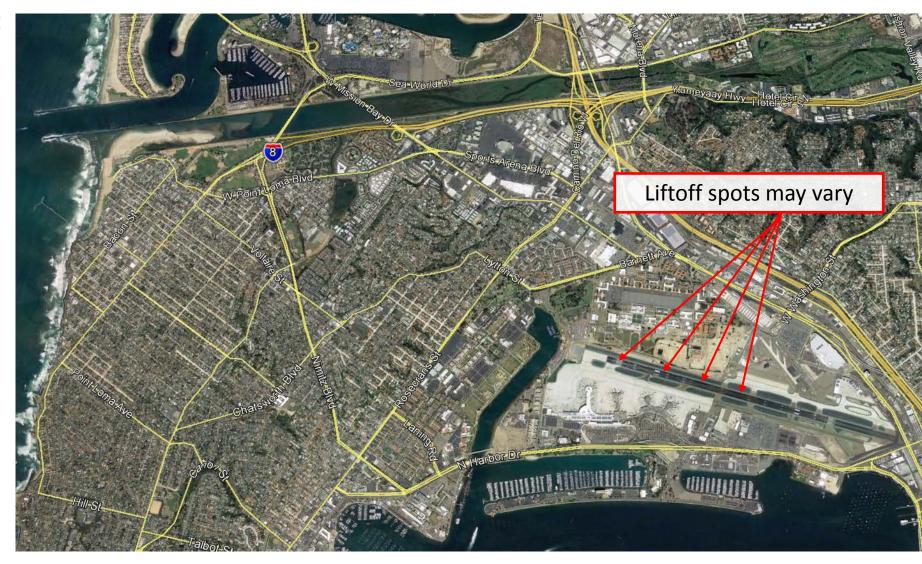






What happens on Takeoff:

- Pilot accelerates until takeoff speed
- Rotates the aircraft
- The aircraft directs the first line of code: Climb to an altitude

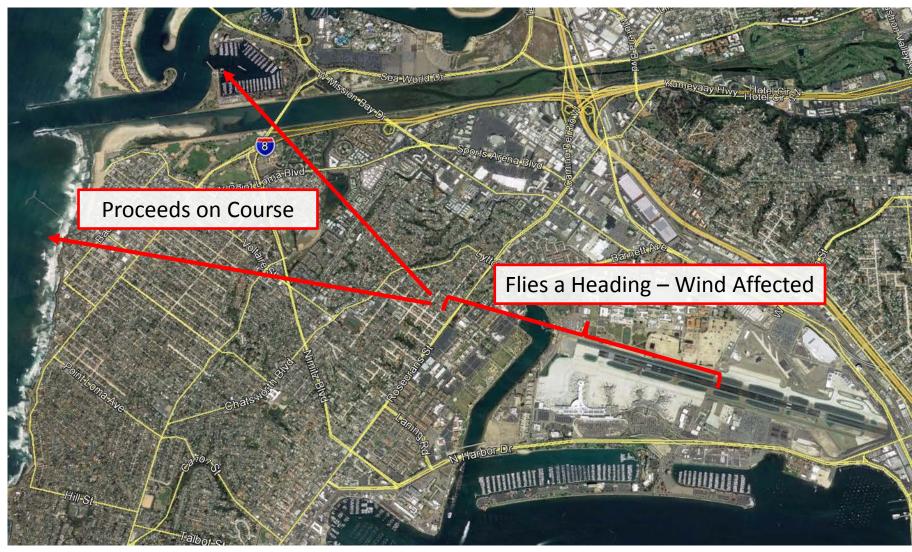






What happens on Takeoff:

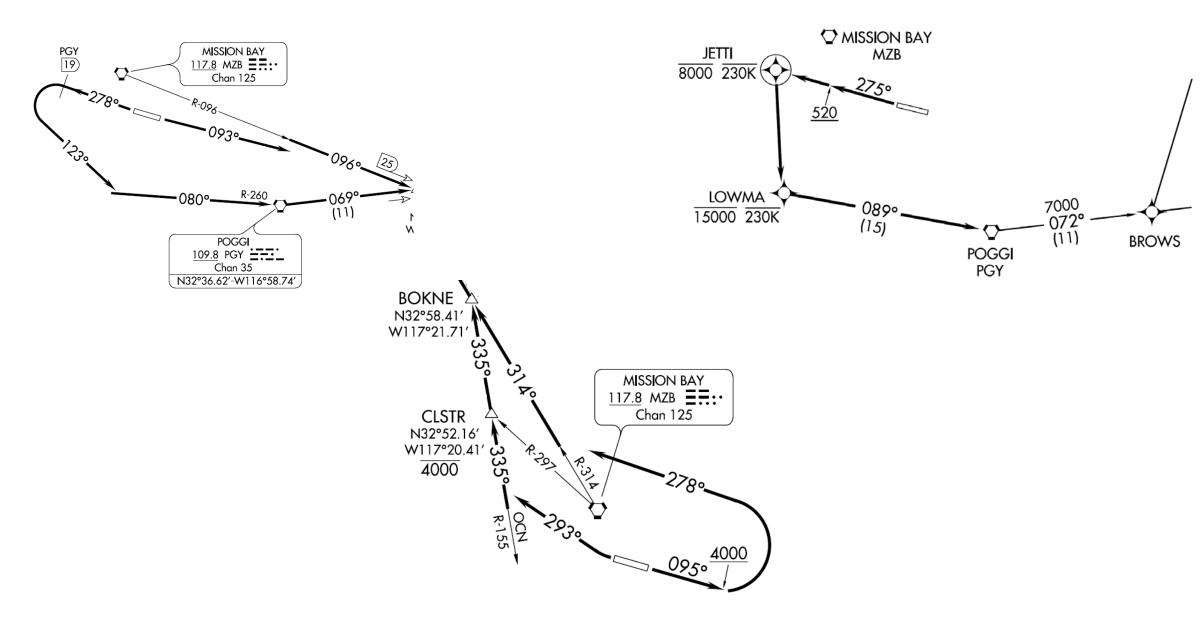
- When the altitude is reached, the aircraft commands the next line of code: Go direct to....
- Tower hands aircraft off to Departure control
- Departure and the Pilot work together to navigate away from the Airport



These lines are for illustration purposes only.

Noise Dots





Has something changed? Is something going to change?

Federal Aviation

Aircraft

Aeronautical

Catalog of Products

Order FAA Products

Aeronautical Data/NFDC

Digital Products

Obstacle Data

Service Groups

Critical DME List

Instrument Elight

Gateway

Procedures Informati

IFP Request Form

IFP Initiation

FAQs Chart Discrepancies

IFP Announcements & Report

PBN Implementation Plan

IFP Inventory Summary

Aeronautical Charting Forum

Product Information Sheets

Alerts/Notices

Information Services

Air Traffic

Gateway

States

Alabama

Alaska

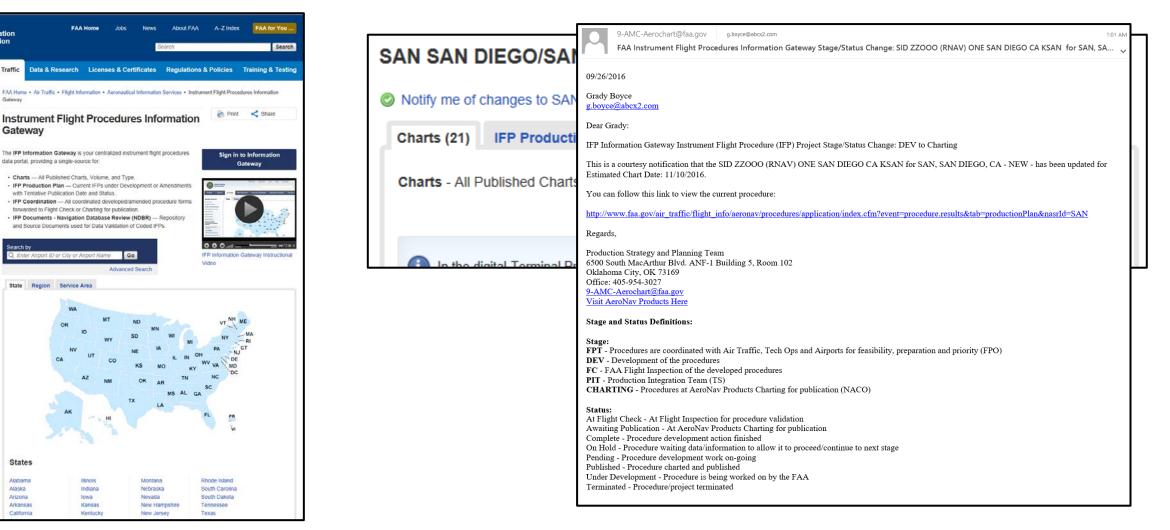
Arizona

Arkansas

California



https://www.faa.gov/air_traffic/flight_info/aeronav/procedures/





Questions?

