There’s an App for That

10/10/2017 3:00-4:00

Sean Walsh ATP CFII
There’s an App for That; Using Tech to Reach the Skies

Sean Walsh – About Me.

- Licensed Pilot Since 1987
- Aircraft Owner Since 1988
- Ex IT Consultant for Large NYC Financial Institutions and Big Pharma Accounts
- Flight Instructor for 14 years – Part time for 10 Full time for 4
- Ex Regional Airline Pilot – 4 years at ExpressJet Airlines flying the EMB145 EWR based
- Presently Part 135 – Flying a Legacy 650 for a Large Cabin Charter company HPN based
- Absolutely obsessed with airplanes, flying, everything about aviation.
Polling Question

What type of tablet/mobile device do you use on the flight-deck?

A. iOS
B. Android
C. Windows
D. We do NOT use a tablet or a mobile device
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My Indispensable Apps

- Flight Planning and Filing– Rockwell Collins AirInc APP and Website (Company)
- Inflight Navigation – Jeppesen FD (Company)
- Scheduling – Rockwell Collins FOS Mobile (Company)
- Inflight Weather- Foreflight, SiriusXM SXAR1 Primary - Appareo Stratus Backup
- Flight Planning Backup - Foreflight Performance Plus USA
- Inflight Communications – Apple Messenger, Email, VZW Wifi VOIP, BOSEA20 w/Bluetooth
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My Indispensable Apps

• Time Calculator – Add and subtract time off of dispatch paperwork – Fuel Scores
• Holdover Calculator – ($) Retrieve accurate holdover times with speed and ease
• Airport Codes – World wide airport codes IATA and ICAO – Where are we going?
• Sporty’s E6B – English Metric Conversions and those arcane mundane functions
• NonRev ($) – every flight and load – great for commuting if you have CASS access
• Fun and Relaxation – Go Pro Cameras Sony A6000 iMovie
• Killing Time in Airports/Hotels – Netflix, Amazon Prime, Hulu
Foreflight & Low Cost Inflight Weather Appliances

Appaero Stratus, SiriusXM SXAR1

• Strategic Tools assisting with inflight decision making
• Magic box helping you to “see around the corners” gaining insight on what’s ahead
• Shows you where you don’t want to be
• On a RNAV arrival using SiriusXM, the ship radar, and TCAS zoomed out is like having a crystal ball
• 2013 AOPA ASF Nall Report showed a 21% decrease in Inflight Weather Incidents Assumed to be the result of the wide availability of low cost inflight weather options for pilots
Foreflight & Low Cost Inflight Weather Appliances
Appaero Stratus, SiriusXM SXAR1

- Inexpensive Appliances developed for use with Foreflight Application
- Long Battery life usually good for two full days.
- Charge nightly in the hotel or at home.
- Rugged Construction
- Connect wirelessly – Stratus is WIFI allows up to 6 connections SXAR1 is Bluetooth
Foreflight & Low Cost Inflight Weather Appliances
Apple iPad SiriusXM SXAR1 and Appaero Stratus

- Commercial Off the Shelf Appliances
- Stock Apple iPad - Large Memory 4GLTE
- All Fits in a Backpack or Flight Case
- Carry Spare Charge Cables Lightning/USB
- 25W Wall Chargers Quicker
- Spare Battery Mophie Powerstation XXXL
- Handy NBAA Charger for your phone
Polling Question

Does anyone still rely on paper charts?

A. Yes – Primary
B. Yes - Backup Only
C. No - We are Completely Digital
4GLTE Internet

Preflight Planning
ADSB Inflight Range Limitations

Executive Dashboard - Single Pane of Glass
AIRMETS SIGMETS & CWA’s

Graphical depictions simplify dissemination
Internet vs. ADSB

KCVG-KORD
4GLTE and ADSB

Plan vs. Actual Flight KSDF KSTL
SiriusXM SXAR1 and Out the Window

Don’t want to be over there.
SiriusXM SXAR1 and Out the Window

Don’t want to be over there.
Question: Which course would you take?

Eastbound @ FL370 262NM from Rattlesnake RSK
Question: Which course would you take?

Eastbound @ FL370 Cleared Flight Planned Route
Question: Which course would you take?

Cleared Flight Planned Route vs. 27 mile 4 minute deviation
Question: Which course would you take?

Cleared Flight Planned Route vs. 27 mile 4 minute deviation
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Fun and Enjoyment; Preserve your memories

- (2) Gopro Hero 4
  - Spare Batteries, Memory Cards
  - Audio Cables, Neutral Filters
  - Every conceivable mount
- Bose A20 with Bluetooth and Audio Jack
- Sony A6000 16-50 55-210 lenses
- Apple and USB cables Flat/Round
- Spare AA in Glow In Dark Carrier
- 25W USB Chargers