

# Transforming Southwest Airlines



# SWA & AirTran



- SWA goes International
- Expands New York, Washington, Atlanta
- Combines the two lowest cost carriers in North America
- Provides instant access to over 30 additional destinations
- 700 aircraft and 4000 flights per day



# Southwest – AirTran Destinations



# Current Fleet

<b>Aircraft Type</b>	<b>Owned</b>	<b>Leased</b>	<b>Total</b>
717-200s	8	80	88
737-700s	<u>30</u>	<u>22</u>	<u>52</u>
Total AirTran	38	102	140
737-300s	101	67	168
737-500s	16	9	25
737-700s	<u>341</u>	<u>29</u>	<u>370</u>
Total SWA	458	105	563
<b>Combined Total</b>	<b><u>496</u></b>	<b><u>207</u></b>	<b><u>703</u></b>



A photograph of a Southwest Airlines aircraft, showing the tail fin with its characteristic red, yellow, and blue stripes, and the wing. The text "Southwest's NextGen Story" is overlaid in a dark blue font.

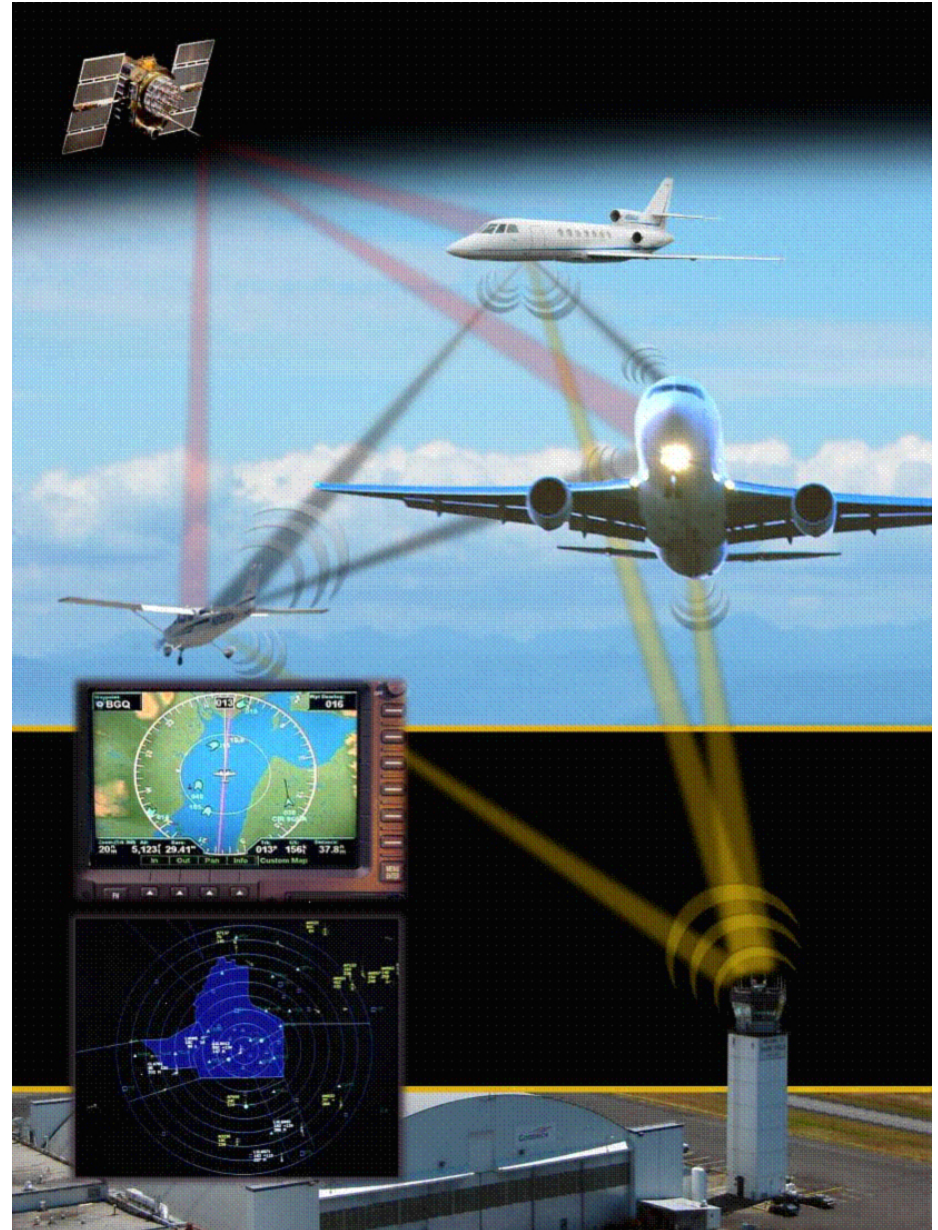
# Southwest's NextGen Story

# What is NextGen?

RNP is just one aspect of the FAA's overall NextGen concept.

Ask 10 People, and you'll get 10 different answers.

We chose to support the PBN effort.



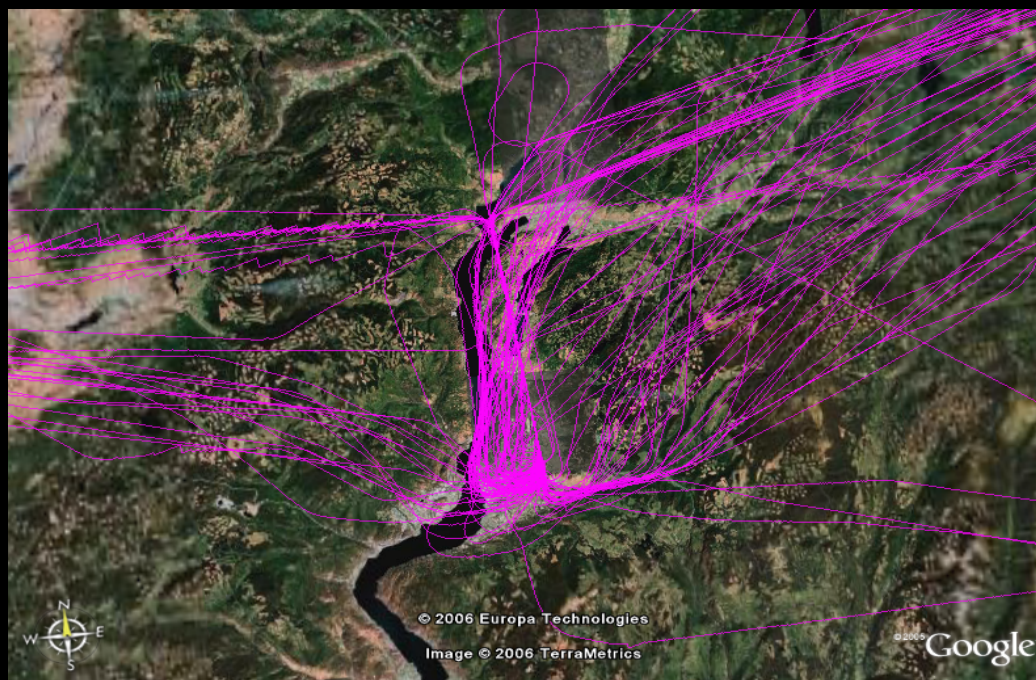


# Moving Forward





The FAA wants to take our National Air  
Space from this....



Air Traffic Pre-RNP

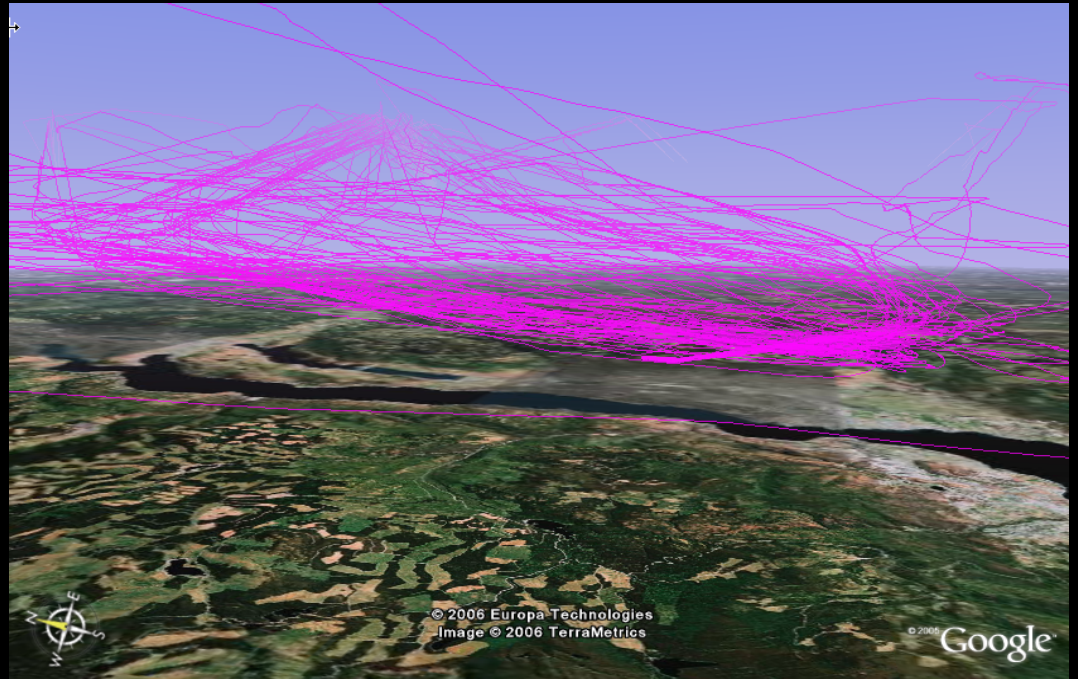


RNP Tracks

Kelowna, Canada



# Air Traffic Pre-RNP



# RNP Tracks



Kelowna, Canada



We agree.

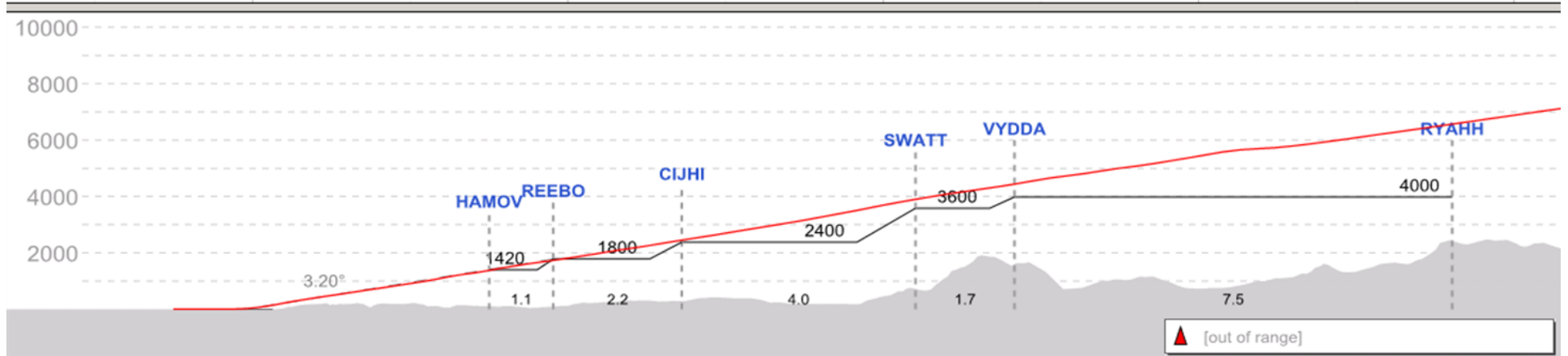
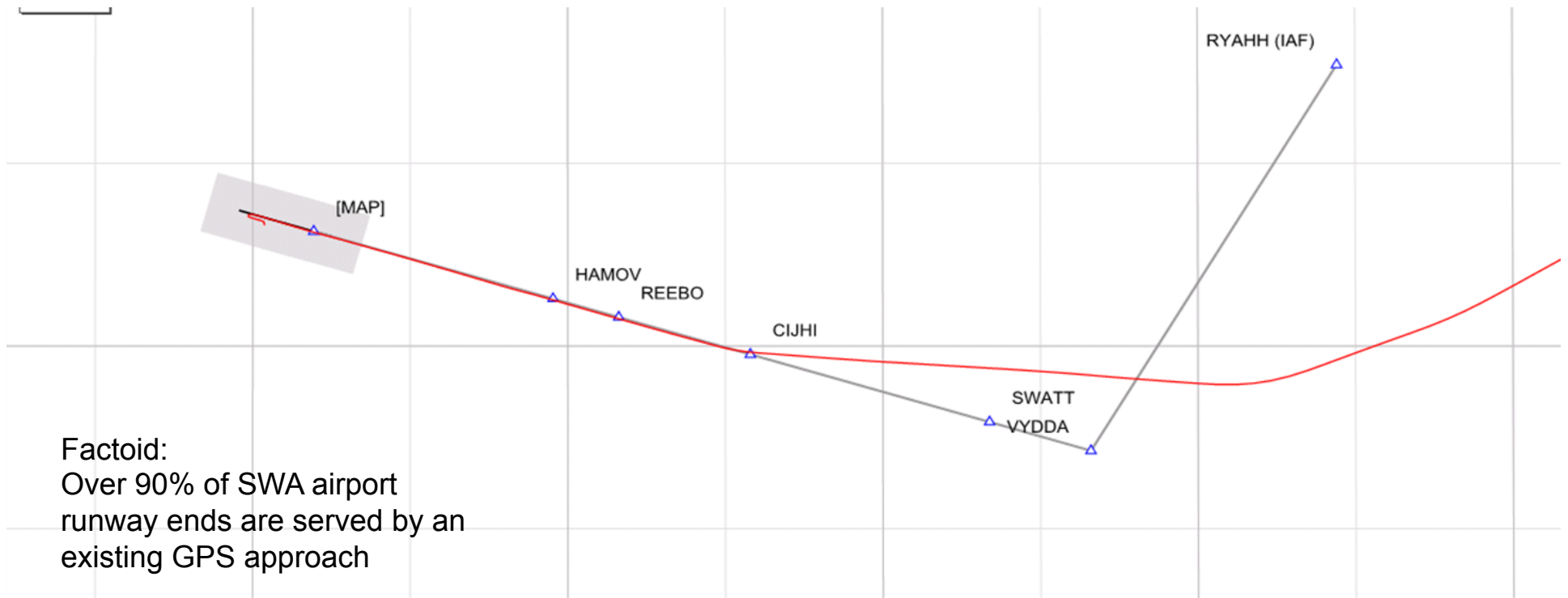
Southwest Airlines began RNP AR  
operations on January 11, 2011

# How SWA Moved to NextGen in 24 Months

---



- Modified more than 444 aircraft with GPS and RNP software
- Modified 343 B737NG aircraft from EFIS to PFD/ND—in 7 days
- Transformed our entire flight procedures on April 6, 2010
- Completed Dispatch training
- Completed 24,000 Pilot training events *in 17 months*
- Testified for Congress on PBN
- Volunteered for Lead carrier status at 20 airports
- Prepared OpSpec and received GPS/RNP approval
- Logged operational “saves” using GPS approach technology (LBB and GEG)
- Conducted over 9,000 GPS approaches since April 6, 2010
- Coordinated with FAA/NATCA for GPS activation
- Saving **\$1M US in fuel savings each month** with new automation
- Completed over 5788 RNP approaches since Jan 2011



**Here's What RNAV (GPS) Looks Like  
(SAN Runway 27)**





# Southwest Airlines

August 2011

## SWA Airports with efficient or useful RNP AR Approaches:

ALB (Runways 1, 19)  
AMA (Runways 4, 22, 31)  
BHM (Runways 6, 24)  
BOI (Runways 10L, 10R, 28L, 28R)  
CRP (Runways 13, 31, 35)  
GEG (Runways 3, 7, 21, 25)  
LAX (Runways 24L, 24R, 25L, 25R)  
MDW (Runway 13C)  
OAK (Runways 11, 29)  
OKC (Runways 17L, 17R, 35L, 35R)  
PBI (Runways 10L, 14, 28R, 32)  
RDU (Runways 5L, 5R, 23L, 23R)  
RNO (Runway 16R, 16L)  
SAT (Runways 3, 12R, 21, 30L)  
SJC (Runways 12L, 12R, 30L, 30R)

## SWA Airports with opportunities to consolidate Pilot RNP Training:

SFO (Runway 28R)  
BNA (Runways 2C, 2R, 20L, 20R)  
BWI (Runways 10, 15R, 28, 33L)  
FLL (Runways 9L, 27R)  
IAD (Runways 1C, 1R, 19L, 19C)  
LGA (Runways 4, 22)  
MCI (Runways 1L, 19L, 19R)  
MHT (Runway 17)  
ONT (Runway 26L)  
PHX (Runways 7L, 7R, 8, 25L, 25R, 26)  
PIT (Runways 10R, 28L)  
SDF (Runway 35L)  
TPA (Runway 18L)

---

Southwest is partnering with the FAA and industry at:  
MDW, ELP, JAX, EWR, SDF, OMA, ABQ, TUL, IND, BWI, LIT,  
DEN, MCI, HRL, MAF, ECP, ISP, PDX, SEA, MCO, SAN, and SLC







## RNP Factoid: Track Mile Savings

For each 3NM **mile** you save, you...

save **9.15 seconds** of flight time.

save **1.94 gallons** of fuel.

eliminate **40.8 pounds** of CO<sub>2</sub>.

eliminate **.15 pounds** of NO<sub>x</sub>.



# Winning our Internal Customers

April 6: PFD/ND and GPS



Ship Set Flight Bags



# Winning our External Customers

With the addition of RNAV (GPS) procedures, we're now able to land at airports without ground-based nav aids available.





# It's Not Just Airplanes and Pilots



Dispatch/OCC



Air Traffic  
Control



Governmental  
Affairs

With our superb training and well-prepared  
Team, we're certain this will be FUN



# NextGen Today: Bringing RNP to an airport near you

