

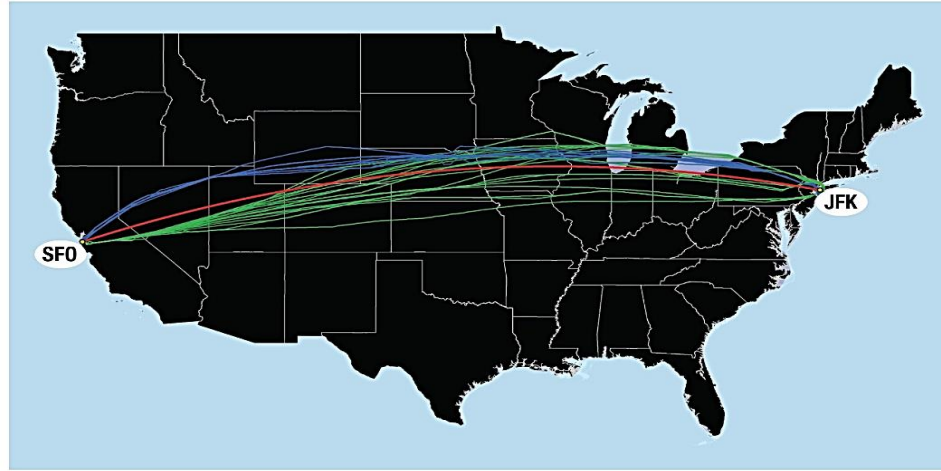
COMMITTEE ON TRANSPORTATION AND INFRASTRUCTURE MARKUP OF  
H.R. 2997, THE “21<sup>ST</sup> CENTURY AIRR ACT”  
JUNE 27, 2017

**OPENING STATEMENT--** Ranking Member Peter DeFazio

# FACT: FAA Is Delivering Direct, Straight-Line, GPS-Based Flight Paths

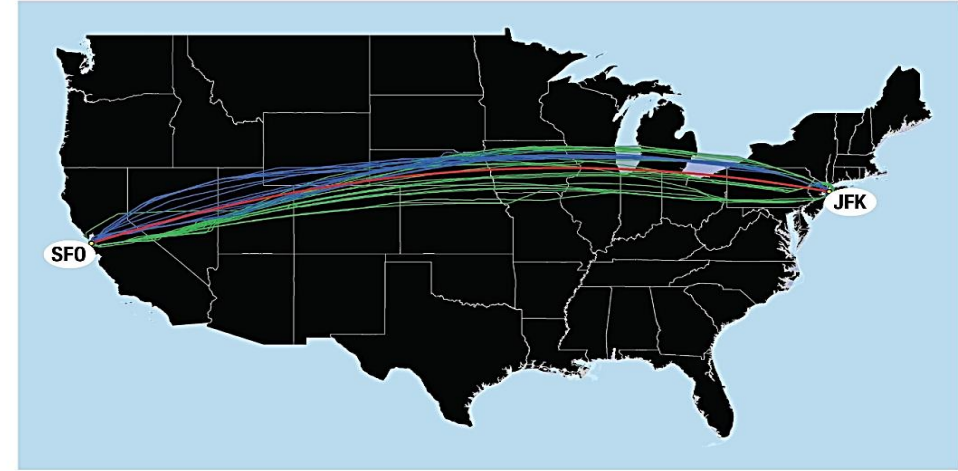
**11-FEB-2016**

JFK All Day VMC Conditions/ SFO All Day VMC Condition except 0800 local  
Top 11th Pctile good weather day



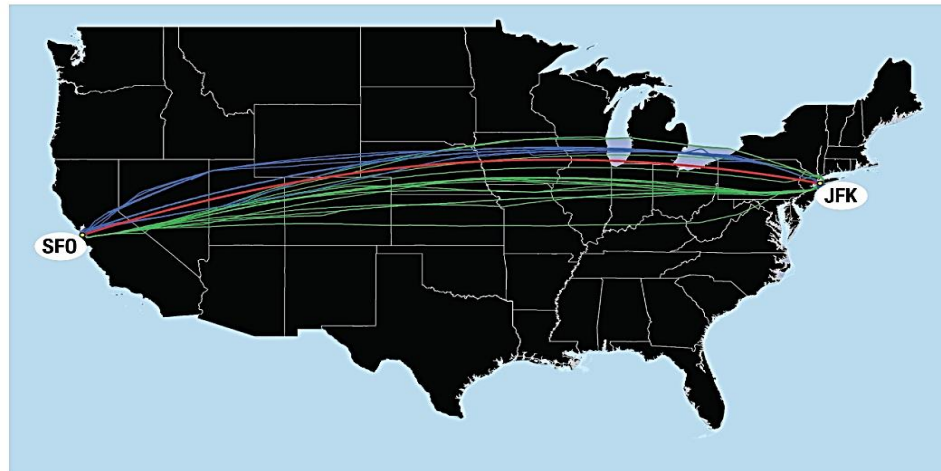
**10-OCT-2016**

JFK All Day VMC Conditions/ SFO All Day VMC Condition until 2300 local  
Top 4th Pctile good weather day



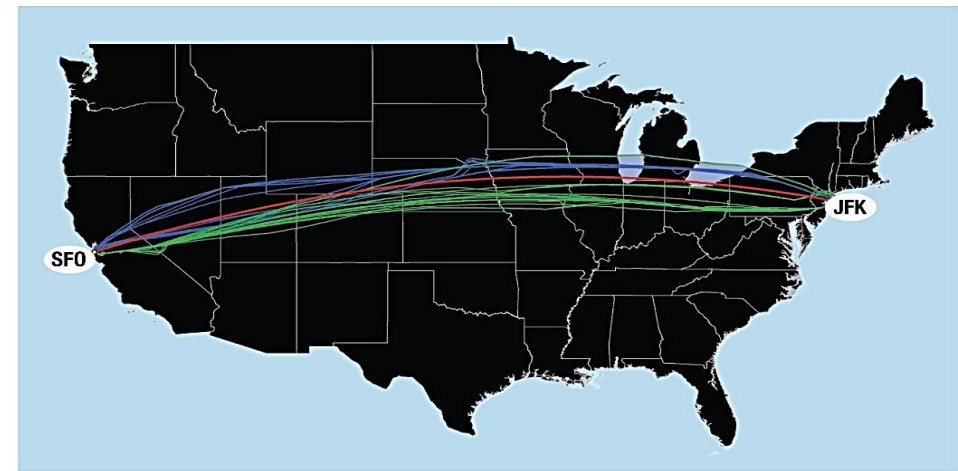
**5-NOV-2016**

JFK All Day VMC Conditions/ SFO VMC Condition until 2200 local  
Top 16th Pctile good weather day



**6-NOV-2016**

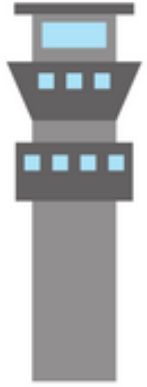
JFK All Day VMC Conditions/ SFO VMC Condition after 1100 local  
Top 23rd Pctile good weather day



— SFO to JFK  
— JFK to SFO  
— Great Circle JFK:SFO

**These NextGen upgrades have delivered \$2.7 billion in saved fuel and time.**

# FACT: FAA Is Delivering Text-Based Communications Between Pilots and Controllers



Text-based communications called DataComm is already in use in 55 control towers, and more are currently being added.

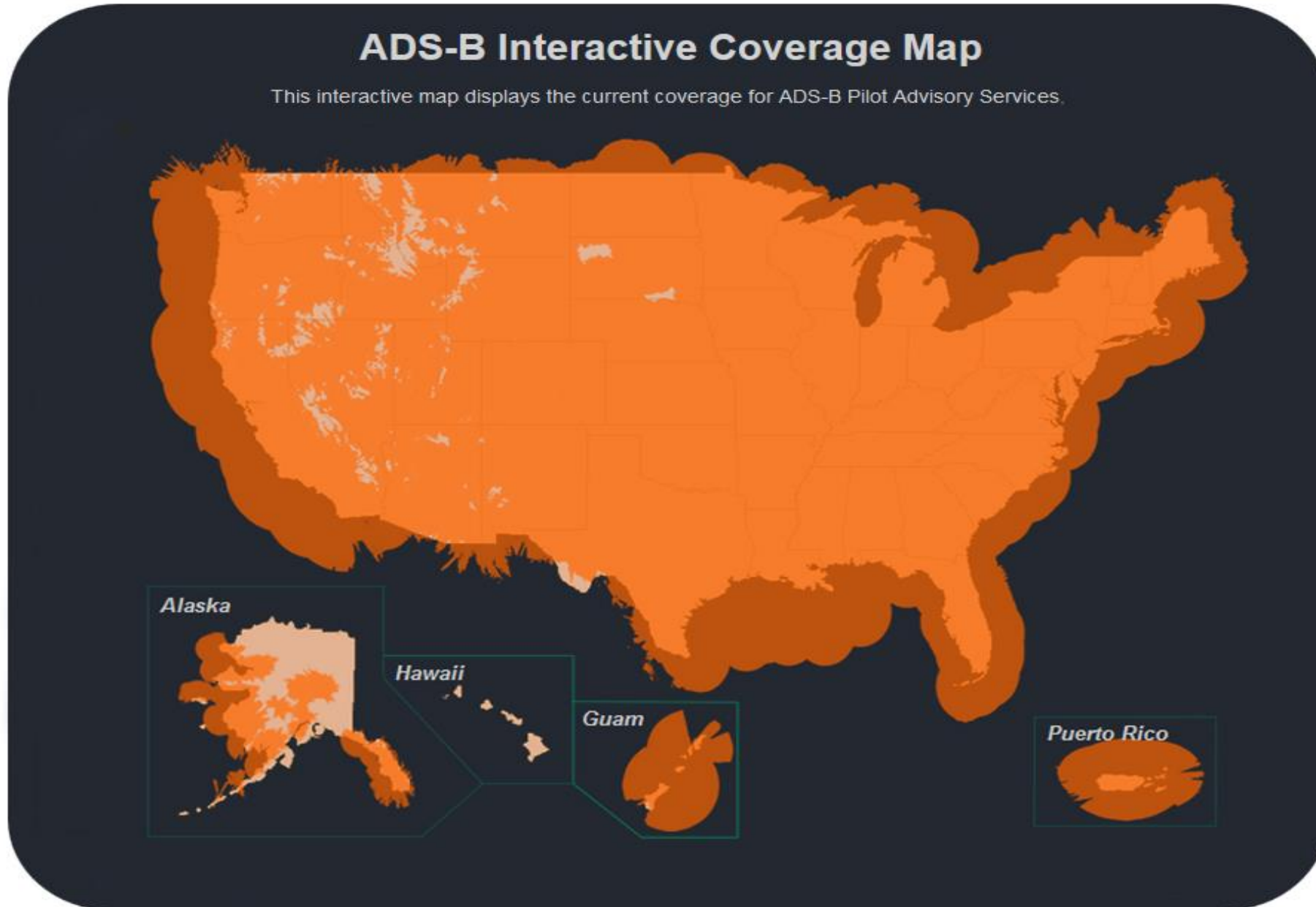


More than 466,000 flights have received ATC clearance via DataComm text, reducing taxi time and delays.



FAA implemented DataComm two years early and well under budget.

# FACT: FAA Is Delivering Nationwide ADS-B Coverage











# FACT: FAA Is Delivering Electronic Flight Strips With Enhanced Capabilities



\* Photo of a controller in Charlotte ATC Tower. Posted June 21<sup>st</sup> to NATCA's twitter account.

SECTOR 01													
Options													Help
Out Of View			Search		DeadWood		Auto Insert						
7225	B772		FICKY	FOOTS	FLITY	FIZEL	FOMAS	FAPIS	FITES	KIAH	LA		
UAL201	HRD	340	1805	1910	2000	2002	2140	2230	2302	PHNL	HL		
LA	N0490									F A			
										. R			
410 ABV													
	A332		SALVA	KEITH	KYNEE	KERNE	KEONE	KALIN	KAPPU	RCTP	TO		
EVA315	HRD		1607	1634	1709	1747	1854	1925	2010	YBBN	HO		
TO	N0469	410								F A			
										. R			
1110	B788		DACEN	PAINT						RJAA	OR		
UAL33	HRD	410	1758	1807						KLAX			
OR	N0487									F A			
										. R			
	B788		42N	4331N	45N	47N	49N	50N	49N	RJTT	TO		
JAL2	HRD		160E	16436E	170E	180E	170N	160N	150N	KSFO	OR		
TO	N085	410	1703	1728	1756	1848	1938	2025	2110	F A			
										. R			
			46N	42N	VESPA	ENI							
			140N	130N									
			2200	2253	2311	2333							
	GL5T		43N	4433N	45N	46N	48N	50N	51N	ZSPD	TO		
N445DB	HRD		160E	16347E	165E	170E	180E	170N	160N	KBFI	YY		
TO	N0486	450	1730	1751	1758	1823	1914	2003	2049	F A			
										. R			
			51N	50N	PRETY	TAMRU							
			150N	140N									
			2132	2215	2248	2256							
	GLF4		EBBER	ELOYI	ERROT	ETNIC	ETECO	EDSEL	EDT00	PHKO	HL		
N168PK	HRD		1754	1804	1852	1943	2035	2126	2133	KVNY	LA		
HL	N0455	450								F A			
										. R			
	GLF5		BEBOP	BAART	BARAZ	BILLO	BEKME	BOARD	BITTA	KSFO	OR		
										PHNI			

# Major Airlines Fail to Upgrade Technology, Invest in Satellite-Based ADS-B

	Planes in Operation	Planes with FAA-observed ADS-B Signals
	155	24
	950	87
	853	141
	230	62
	727	0
	738	211

# Major Airlines Petitioned FAA to Push ADS-B Installation Deadline Back to 2025

*Until airlines upgrade, they cannot use GPS, satellite-based ADS-B*

**Southwest**

**UNITED**

**jetBlue**  
AIRWAYS

**American Airlines**



**Airlines for America**  
We Connect the World

April 1, 2015

U.S. Department of Transportation  
Docket Operations  
West Building Ground Floor, Room W12-140  
1200 New Jersey Avenue, SE  
Washington, DC 20590

Subject: Petition for Exemption

Reference: 14 CFR 91.227 - Automatic Dependent Surveillance-Broadcast (ADS-B) Out equipment performance requirements.

Dear Sir or Madam:

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR) 11.63 and 11.81, Airlines for America, on behalf of our passenger and cargo airline members and similarly-situated air carriers, petitions for a limited exemption from the Navigational Accuracy Category for Position (NACp) and Navigational Integrity Category (NIC) the ADS-B Out performance requirements in 14 CFR 91.227(c). For the purpose of this temporary exemption from these performance requirements, the ADS-B Out equipment (GPS) consisting of:

**spirit**



**HAWAIIAN**  
— AIRLINES —



# Separation if airlines do not install ADS-B



# Separation if airlines install ADS-B





# Airline Overscheduling Contributes to Airport Congestion

Airport	Max Number of Departures According to FAA	Airline Scheduled Departures
<b>John F. Kennedy International Airport (JFK)</b> 6/26/17, 8:00-9:00am	53 flights per hour	63 flights scheduled
<b>Los Angeles International Airport (LAX)</b> 6/26/17, 8:00-9:00am	69 flights per hour	82 flights scheduled
<b>New York LaGuardia Airport (LGA)</b> 6/26/17, 8:00-9:00am	42 flights per hour	50 flights scheduled
<b>Chicago O'Hare International Airport (ORD)</b> 6/26/17, 12:00-1:00pm	99 flights per hour	109 flights scheduled