

Data Communications Program

NSDA Airline Briefing

Presented To: DCIT

Presented By: Data Comm Program
Management Office

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NSDA



Federal Aviation
Administration



National NSDA Activation

- National NSDA Activation October 21-22, 2017
- Activation will begin at 23:30hrs Eastern on 10/21 (0330Z)
 - NSDA National Site Activation will be a rolling process. Towers are grouped by ARTCC and Service Area as well as mapped to Time Zone
 - All times are listed in Zulu time
 - ARTCC and Towers (from tower cab and MTM location) will dial into telecon bridge 30 minutes prior to listed start time
 - Once an ARTCCs towers have completed the NSDA cutover, the ARTCC and selected tower will stay on the bridge to conduct the logon test with the WJHTC Avionics Lab. Towers not participating in the Logon test will be released.
 - The Logon Test Lead will manage the Logon test for that ARTCC/Tower combination
 - IFCET will address problem handling via a dedicated triage line
- Airlines will share teleconference bridges for coordination and issue reporting (Triage line)

Oct 21-22, 2017
Mid-Shift

All ATCT - NSDA Transition/Activation

All Sites to use FAA bridge,
888-924-3230, w/specified PC

ESA TDLS ATCTs

(2330 EDT)
Start 0330Z

Start 0400Z

0430Z

CSA TDLS ATCTs

0500Z

0530Z

WSA TDLS ATCTs

0600Z

0630Z

<< Since 3/2 Chart Date

ERAM - EAD600 Install - All ARTCCs - OPS CH NSDA Enabled

ZBW ARTCC
BOS
BDL
IFCET1a
PC-401972

ZNY ARTCC

EWR

JFK

LGA

TEB

HPN

PHL

IFCET2a

PC-108080

ZOB ARTCC
DTW
CLE
PIT
IFCET3a
PC-400416

ZDC ARTCC

BWI

IAD

DCA

RDU

IFCET6a

PC-250596

ZTL ARTCC
ATL
CLT
IFCET4a
PC-606921

ZJX ARTCC

MCO

IFCET7a

PC-925161

ZID ARTCC
SDF
IND
IFCET8a
PC-350739

ZMA ARTCC

MIA

FLL

SJU

TPA

IFCET11a

PC-140988

ZAU ARTCC
MDW
ORD
MKE
IFCET5a
PC-436160

ZME ARTCC
MEM
BNA
IFCET10a
PC-666403

ZHU ARTCC
MSY
AUS
SAT
IAH
HOU
IFCET11a
PC-140988

ZKC ARTCC
STL
MCI
IFCET9a
PC-309338

ZMP ARTCC
MSP
IFCET2b
PC-401972

ZFW ARTCC
DFW
DAL
IFCET3b
PC-998641

ZAB ARTCC
PHX
ABQ
IFCET1b
PC-620160

ZLC ARTCC
SLC
IFCET5b
PC-606921

ZDV ARTCC
DEN
IFCET6bc
PC-400416

ZLA ARTCC
LAX
LAS
SAN
SNA
BUR
ONT
IFCET7b
PC-309338

ZSE ARTCC
SEA
PDX
IFCET8b
PC-666403

IFCET9b
PC-436160
ZOA ARTCC
SFO
OAK
SJC
SMF

Triage Sites Telecon Number
888-924-3230, PC 558107

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TDLS V12.4 Install - ALL CPDLC Towers w/NSDA ENABLING KUSA

KUSA Logon Test

KUSA Logon Test Overview

- WJHTC Avionics Lab will login to one tower per parent ARTCC (i.e. KBDL for ZBW)
 - Timing will coincide with parent ARTCC Tower activations
 - Tower and ARTCC will remain on designated telecon number with WJHTC until test completed

Logon Test Details

- ARTCC staff enters Flight Plan for the selected tower
 - PMO will provide FP to be used
 - A Text File should be created for this FP and suggest eSUB testing
- Avionics Lab Logon
- Session Correlation and Establishment occur
 - Tower Controller to confirm session establishment in TDLS
- Avionics Lab initiates a pilot abort to terminate the session
- Tower or ARTCC Controller executes a RS message
- Avionics Lab repeats scenario with the next scheduled tower

Avionics Logon Test

Avionics Rack #1					Avionics Rack #2					Avionics Rack #3				
Tail#: N39					Tail#: N40					Tail#: N49				
Flight ID: FAA001					Flight ID: FAA002					Flight ID: FAA003				
	ARTCC ID	Site ID	Site Name	Lat/Lon		ARTCC ID	Site ID	Site Name	Lat/Lon		ARTCC ID	Site ID	Site Name	Lat/Lon
4:00 Z	ZBW	BDL	Bradley	41-56.348707N / 072-41.002277W	4:00 Z	ZOB	CLE	Cleveland	41-24.565000N / 081-51.281667W	4:00 Z	ZTL	ATL	Atlanta	33-38.201977N / 084-25.671840W
4:15 Z	ZID	SDF	Louisville	38-10.445150N / 085-44.189933W	4:15 Z					4:15 Z				
4:30 Z	ZNY	JFK	J F Kennedy	40-38.395545N / 073-46.721698W	4:30 Z	ZDC	BWI	Balt/Wash	39-10.543660N / 076-40.139537W	4:30 Z	ZJX	MCO	Orlando	28-25.763333N / 081-18.540000W
4:45 Z	ZMA	MIA	Miami	25-47.721667N /080-17.406667W	4:45 Z					4:45 Z				
5:00 Z	ZAU	ORD	O'Hare	41-58.639208N / 087-54.480355W	5:00 Z	ZME	MEM	Memphis	35-02.545000N / 089-58.600000W	5:00 Z	ZHU	HOU	KS 3: Houston Hobby	29-38.725000N / 095-16.733333W
5:30 Z	ZKC	MCI	Kansas City	39-17.856667N / 094-42.833333W	5:30 Z	ZMP	MSP	Minn-St Paul	44-52.918333N / 093-13.306667W	5:30 Z	ZFW	DAL	Dallas Love	32-50.826733N / 096-51.106317W
6:00 Z	ZAB	ABQ	Albuquerque	35-02.335893N / 106-36.495730W	6:00 Z	ZLC	SLC	KS 1: Salt Lake City	40-47.303267N / 111-58.666383W	6:00 Z	ZDV	DEN	Denver	39-51.700000N / 104-40.390000W
6:30 Z	ZLA	LAX	Los Angeles	33-56.557500N / 118-24.468167W	6:30 Z	ZSE	SEA	Seattle	47-26.993333N / 122-18.706667W	6:30 Z				
6:45 Z	ZOA	SFO	San Francisco	37-37.128333N / 122-22.525000W	6:45 Z					6:45 Z				

Airspace User Notification

- Detailed schedule will be disseminated (email) to carriers to outline the rollout plan of NSDA.
- Notifications will be made using the following:
 - D-ATIS
 - After NSDA Activation is complete, modify D-ATIS to state:
“+++For CPDLC DCL Logon, use KUSA+++”
 - D-ATIS message to remain until it is published on the chart
 - NOTAMs will be issued
 - Status update emails will be disseminated to airlines as sites progress through the cutover.
- Majority of operators advised that they would also supplement with an internal ACARS message to the cockpit

Problem Reporting for National NSDA Activation

- During transition event, if problems occur, sites will have dedicated Triage Bridge available for the entire transition event, 888-924-3230, PC 558107

Questions?

