welcome to









FLL Emergency Notification and Communication

Presented to: Broward County

Board of County Commissioners

Presented by:

Mark E. Gale, CEO/Director of Aviation Broward County Aviation Department

June 11, 2019

Presentation Agenda





- Visual Communications
- Audio Public Address System
- Electronic Communications
- Two-Way Communications
- Comprehensive Training

Audio Public Address Systems







Ability to reach employees and passengers inside the terminal buildings, on the curb, and on the airfield

Exterior Landside



Exterior Airside (New)



Mobile Communication (Enhanced)





Terminal Interior



Visual Communication





FORT LAUDERDALE-HOLLYWOOD



Flight Information Display Screens / Emergency Notification Display

ATTENTION:

THIS IS A TEST OF THE **EMERGENCY** NOTIFICATION **SYSTEM**

THIS IS ONLY **A TEST**

D	EPA	RΤι	JRE	S			0
CITY AIR	LINE / FU	GHT	GATE	TIME		REMARKS	K
Los Angeles	jetBlue	101	F1	7:1	1P	On Time	
	pirit	833	G5	1:3	OP D	elayed 2:13P	п
	pirit		G10			On Time	
Nashville	jetBlue	181	F9		3P	On Time	
Nassau, Bahamas New York-JFK	jetBlue		3 E10		33P	On Time	
New York-JFK	jetBlue	302	F10		01P	On Time	
New York-LGA	jetBlue	2	F		12P	On Time	
The state of the s	jetBlue Spirit	127	and the last		55P	On Time	
New York-LGA	jetBlue	174 67:			28P	On Time	
New York-LGA	jetBlue	14		The second second	.59P	On Time	
New York-LGA	spiri	_			:03P	On Time	
Newburgh	jetBlue	1,454		ded like	:30P	On Time	
Philadelphia	a America				1:17P 2:35P	On Time	
Philadelphia	# Amenia			Table .	ARTHUR BERT	On Time	
Phoenix	jetBlu	_			4:52P 8:22P	On Time	
Port-Au-Prince, Haiti	jetBlu	1000	CALL COLUMN			On Time	
Quito, Ecuador	jetBlu		851	F3	4:03P	On Time	_
Raleigh-Durham	jetBi		626	F7	7:26P	On Tim	е
Raleigh-Durham	spir		626 195	F4	2:09P	Delayed 3	00
Raleigh-Durham	jetBl	- 6			4:55P	On Tim	
Salt Lake City	The Part of the Pa		126	F7	8:00P	On Tim	
San Francisco	jetBi		319	F7	5:48P	On Tin	
San Jose, Costa Rica	jetBi	Annual Property lies	277	E10	7:31P		
			1335	F2	2:33F	The same of the sa	me
San Juan, PR	jetB	lue	1453	E6	5:11F		me
Stockholm			7036	G3	5:45	P On T	me
Trenton		VTIER	810	G14	2:46	P On T	ime
Washington-Reagan	jeti	llue	1580	F3	4:23	P On T	lm
Washington-Reagan	jeti	Blue	2080) E2	7:37		
Westchester, NY	jet	Blue	814	E4			
Worcester	jet	Blue	202		Contract of the last of the la	The second name of the second	-

FORT LAUDERDALE-HOLLYWOOD

ATTENTION:

THIS IS A TEST OF THE **EMERGENCY** NOTIFICATION **SYSTEM**

THIS IS ONLY **A TEST**

	DEPAR	₹Т∪	RE	S			
CITY	IRLINE / FLK	SHT	GATE	TIME	R	EMARKS	
Los Angeles	jetBlue	101	F1	7:11	P (On Time	
Montego Bay	-	833	G5	1:30	P Del	ayed 2:13	2
Myrtle Beach		126	G10	8:10		On Time	
Nashville	jetBlue	181	F9	4:1:		On Time	18
Nassau, Bahamas	jetBlue	1993		3:3		On Time	
New York-JFK New York-JFK	jetBlue	302	F10	3:0		On Time	
New York-LGA	jetBlue	2	F5	8:1		On Time	
New York-LGA	jetBlue	1272	The same of		5P	On Time	
New York-LGA	spirit	_	G9 F5		RP	On Time	
New York-LGA	jetBlue	672 147			59P	On Time	
New York-LGA	spiri				03P	On Time	
Newburgh	jetBlue	536	and the same of th	Columbia (Columbia)	30P	On Time	
Philadelphia	4 American				17P :35P	On Tim	
Philadelphia			Section 2015		(Autochi)	On Tim	
Phoenix	# American	_			:52P	On Tim	
Port-Au-Prince, Haiti	jetBlue	- 000000	Name and Address of the Owner, where the Owner, which is the Owner, which is the Owner, where the Owner, which is the Owner		Strategy 55	On Tin	
Quito, Ecuador	jetBlu				1:03P	On Tir	
Raleigh-Durham	jetBlu	Annual Property	Cult Till In a		7:26P	On Tir	100mf
Raleigh-Durham	spir				2:09P	Delayed	
Raleigh-Durham	ietBi.	See	Comment.		4:55P	On Ti	1000
Salt Lake City	A PROPERTY.			7	8:00P	On T	
San Francisco	jetBla			F7	5:48P	On T	
	jetBi	The second second		E10	7:31P	On T	
San Jose, Costa Ric	The state of the s	- B	335	F2	2:33P	On 7	Time
San Juan, PR	jetBl	Marine Street	453	E6	5:11P	On '	Time
Stockholm	No.	_	7036	G3	5:45P	On	Tim
Trenton	FROM	TIER	810	G14	2:46P	On	Tim
Washington-Reaga	iri jetB	lue	1580	F3	4:23P		Tim
Washington-Reaga	in jets	liue	2080	E2	7:37F	1700	Tin
Westchester, NY	jeti	lue	814	E4	7:32F		Tin
Worcester	jeti	Blue	2020	E8	2:20	The same of the same of	Tir

Wednesday May 15, 2019



	-			4.11.2.0	- FEGIN	DA	
		A	RRIV	ALS			
CITY		AIRLIN	E/FLIGHT	CLAIM	TIME	REM	ARKS
Aguadilla, I	PR	spir	it 818	3	5:44P	On 1	lime
Aruba	THE PERSON	jetBlu	1412	7	5:08P	Now 5	_
Aruba		spir	1± 886	1	6:49P	Now 6	
Atlanta		jetBlue	567		6:10P	On Ti	Print Service
Atlantic City		spiri	235	4 :	3:25P	Now 3:	09P
Austin		jetBlue	512	5 3	3:22P	On Ti	me
Bogota, Color		jetBlue	1558	2 3	:15P	Now 3:	08P
Bogota, Colon	nbia	spirit	The Assessment of the Indian	6	44P	Delayed 7	7:14P
Boston	-	jetBlue	2269	5 4:	26P	Now 4:2	1P
Boston		jetBlue		6 8:	00P	On Tim	е
Cancun	DOMESTIC STREET	pirit	710	7:0	OOP	On Tim	e
Cartagena, Cok	ombia 5	pirit	946	5:3	7P	Now 5:43	3P
Charlotte, NC	3	American 🕻	523 2	3:5	8P	Now 3:52	P
Charlotte, NC	3	American V	709 2	4:21	BP	Now 4:22	P
Chicago-O'Hare	S	oirit 4	25 2	8:03	3P	On Time	
Cleveland	Sp	pirit 4	19 3	2:44	P Exp	pected 2:	12P
Dallas-Ft. Worth	2 Ar	vertican 1	80 2	2:45	P	low 2:25F	•
Dallas-Ft. Worth	a Am	erican 1 24	4 2	4:33	COLUMN TO SHARE	ow 4:17F	
Dallas-Ft. Worth	sp	irit 74	0 2	4:37F		yed 11:0	
Dallas-Ft. Worth	# Ame	can't 219	8 2	6:18P	Marine Ann	On Time	100
Grand Cayman,	jetBl	ue 139	8 2	3:32P		ved 5:14	P
Guatemala City	spil	rit 244		5:00P	No. of Concession, Name of Street, or other Designation, Name of Street, or other Designation, Name of Street,	w 4:42P	
Houston	spir	A CONTRACTOR	4	5:01P		w 4:32P	
Kingston, Jamaica	Comercia	- 188	AND DESCRIPTION OF	3:20P	THE RESERVE	n Time	
Kingston, Jamaica	spir	t 702		3:24P			
ingston, Jamaica	jetBlue	AND DESCRIPTION OF THE PERSON NAMED IN	THE RESERVE OF THE PERSON NAMED IN	THE REAL PROPERTY.	CONTRACTOR OF THE PERSON NAMED IN	v 3:31P	
ong Island	FRONTIE	0/0		1:12P	1000	Time	
s Angeles	jetBlue	204	ORIGINAL DISEASE	:07P	STATE OF THE PARTY	ed 4:41P	
	Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, which i	700		01P	man property	ed 5:30P	
dellin, Colombia	spirit	200	NAME OF STREET	41P	Now	6:55P	
xico City	jetBlue	2518	2 2:	31P	Now	2:11P	
ntego Bay	jetBlue	926	2 3:5	57P	On 1	ime	
THE RESIDENCE OF THE PERSON NAMED IN	spirit	270	6:0	OP .	Now 6	:23P	E.
Wednesday	May	15, 20		1:44F			-
	may	10, 20					



			AR	RI	/A	LS		7 B	
CITY		AIRL	INE/	FLIGH	П (LAIM	TIME	RE	MARKS
Nassau, Bahama	as	jett	llue	619	4	-	9:05	A Dela	ved 2:45P
Nassau, Bahama	is .	jetE	llue	299	4	6	1:57	The Real Property lies	w 1:40P
Nassau, Bahama	IS	jetE	llue	199	4	6	6:33		n Time
New Orleans		jetB	tue	142	2	6	2:34		w 2:06P
New York-JFK		jetB	lue	1		5	2:01F	0	n Time
New York-JFK		jetB		140		5	5:13F	O	n Time
New York-LGA		spi		197		2	2:00F	Nov	v 2:27P
New York-LGA	2000	jetBl		1171		5	5:57P	Nov	v 5:42P
New York-LGA	2	spii	_	171		1	6:43P	Or	Time
Newark		jetBlu		205		115	1:50P	Arrive	ed 1:45P
Philadelphia	٥	Americ		1845		2	1:45P	On	Time
Philadelphia	4	America		1870	2	2 (5:17P	On	Time
Philadelphia		pir		1009		7	7:40P	On	Time
Port of Spain	_	etBlu	- 10	020	2		27P	Now	7:10P
Providenciales		etBlue	-	014	2	2	:28P	Now	2:03P
Punta Cana, DR		etBlue	1	74	2	2	:35P	Now	2:11P
Punta Cana, DR	S	oiri	t 7	84		4	:14P	On	Time
Raleigh-Durham	S	oiri	t 4	98	4	4	:05P	Now	4:14P
Raleigh-Durham	je	tBlue	26	25	6	6:	57P	Delave	d 7:41P
San Francisco	je	tBlue	57	8	8	6:	17P	THE RESERVE OF THE PERSON NAMED IN	6:27P
San Jose, Costa Rica	sp	pirit	75	6		5:	21P		Time
San Juan, PR	jet	Blue	16	54	7	THE PERSON NAMED IN	17P	Delaye	
an Juan, PR	sp	irit	24	0	4		24P	On 1	
an Juan, PR	jeti	3tue	566		7		17P	On 1	THE LOCATION SHOWS IN
anto Domingo, DR	Sp	irit	142				38P	Now 4	
Maarten	jetE	_	276	200	2	COLUMN TWO	OP		
Maarten	Spi	DOLOGICAL DE	_		4			Now 5	
Thomas, V.I.	spi		101	4	•	6:2	CHI STORY	Now 6	CONTRACTOR OF THE PARTY OF THE
	apı	_	212		2	7:1		Now 7	
ckholm	District	$\overline{}$	703		3	3:4	STATE OF THE PERSON NAMED IN	Now 3	:20P
shington-Reagan	jetBt	- 1	1379	or other banks	6	3:20	OP .	Now 2	:58P
shington-Reagan	jetBl	Jer .	1979	,	5	7:28	3P	Now 7	35P
					-	THE PERSONS	1 NO. of Lot	TOTAL SOCIETY OF	-

Vednesday	May 15, 2019	1:44P



	DEPA			0	
CITY	AIRLINE / FLI	IGHT	GATE	TIME	REMARKS
Albany	jetBlue	88	F10	1:34P	Departed
Atlanta	spirit	600	G6	5:48P	On Time
Atlantic City	spirit	262	G12	3:00P	On Time
Austin	jetBlue	511	G1	4:02P	Delayed 4:59P
Baltimore	spirit	414	G6	4:40P	On Time
Barbados	jetBlue	385	F6	1:58P	On Time
Bogota, Colombia	Avianca \(\bar{\pi} \)	37	G3	3:17P	On Time
Boston	spirit	616	F4	1:52P	On Time
Boston	jetBlue	570	G2	1:56P	On Time
Boston	jetBlue	170	F10	7:08P	On Time
Cali	spirit	401	F2	7:57P	On Time
Campinas-Sao Paulo		8705	E8	7:30P	On Time
Charlotte, NC	American \	1709	E7	5:13P	On Time
Charlotte, NC	a. American	2010	E3	7:04P	On Time
Cleveland	spirit	440	G10	3:35P	On Time
Dallas-Ft. Worth	American	1180	E1	3:35P	On Time
Dallas-Ft. Worth	a American	244	E1	5:20P	On Time
Dallas-Ft. Worth	spirit	739	F2	5:30P	On Time
Dallas-Ft. Worth	a American	2198	E5	7:15P	On Time
Dallas-Ft. Worth	spirit	971	G3	8:25P	On Time
Denver	spirit	355	G14	8:15P	On Time
Suayaquil, Ecuador	jetBlue	1255	F8	6:40P	On Time
Suayaquil, Ecuador	spirit	1141	G9	7:15P	On Time
lartford-Springfield	jetBlue	1460	F1	4:17P	
louston	spirit	619	G12	6:40P	On Time
acksonville	jetBlue	2718	E4		On Time
ingston, Jamaica	jetBlue	NAME OF TAXABLE PARTY.	Burthill	5:38P	On Time
	And in contrast of the last	875	F9	2:27P	On Time
ingston, Jamaica		36	G12	5:20P	On Time
as Vegas	jetBlue	7	F9	6:47P	On Time
atrobe-Pittsburgh	spirit	724	G13	4:20P	On Time
ma, Peru	jetBlue	1825	F6	5:08P	On Time
ma, Peru	spirit	977	G4		
	-pii It	911	-	5:11P	On Time

May 15, 2019

1:44P

Wednesday



	DEPAR	TL	IRE	S		
	RLINE / FLIC		GATE	TIME		REMARKS
Los Angeles	jetBlue	101	F1	7:11	P	On Time
Montego Bay	spirit	833	G5	1:30	IP D	elayed 2:13P
	spirit	126	G10	8:10	0P	On Time
Nashville	jetBlue	181	F9	4:1	3P	On Time
Nassau, Bahamas	jetBlue	1993	E10	3:3	3P	On Time
New York-JFK	jetBlue	302	F10	3:0	1P	On Time
New York-JFK	jetBlue	2	F5	8:1	2P	On Time
New York-LGA	jetBlue	1272	2 E2	3:5	55P	On Time
New York-LGA	spirit	174	G9	4:	28P	On Time
New York-LGA	jetBlue	672	F5	5:	59P	On Time
New York-LGA	jetBlue	147			03P	On Time
New York-LGA	spirit	710	GE	6 8:	30P	On Time
Newburgh	jetBlue	536	F	3 4	:17P	On Time
Philadelphia	a American	184	5 E	3 2	:35P	On Time
Philadelphia	# American	856	E	5 4	:52P	On Time
Phoenix	jetBlue	118	57 E	6 8	22P	On Time
Port-Au-Prince, Haiti	jetBlue	17	09 F	5	1:03P	On Time
Quito, Ecuador	jetBlue	28		_	7:26P	On Time
Raleigh-Durham	jetBlue	26		-	2:09P	
Raleigh-Durham	spir				4:55P	On Time
Raleigh-Durham	jetBlu	Bhh	The state of the s	THE RES	8:00P	The state of the s
Salt Lake City	jetBlu			F7	5:48P	On Time
San Francisco	jetBlu		And with	E10	The late of the la	On Time
San Jose, Costa Ric					7:31P	OH THE
San Juan, PR	and the same of	- 64	335	F2	2:33F	
Stockholm	jetBlu	The same of	453	E6	5:11F	OII IIIIIO
Service Control of the Control of th	Andrew Control	Carl Carl	036	G3	5:45	
Trenton	FRON	_		G14	2:46	P On Time
Washington-Reagar	1 jetBl	ue i	580	F3	4:23	P On Time
Washington-Reaga	n jetBl	ue	2080	E2	7:37	
Westchester, NY	jetB	lue	B14	E4	7:32	
Worcester	ietB		2020	E8	2:20	

Wednesday May 15, 2019

1:44P

Electronic Communication





Everbridge Mass Notification System



Integrated Public Alert & Warning System (IPAWS)



Emergency Alerts



Sample Alert



Two-Way Communications







Emergency Call Box



- 50 mounted units with audio and video capability located throughout the **Terminals and Rental Car Center**
- Estimated to be in service in the Terminals by the end of August 2019
- One "touch" to connect to the **Airport Operations Control Center**

Comprehensive Training







Airport Employee Emergency Training 18,000+ Employees



EOC Emergency Response Coordination



Table Top Exercises



Full Scale Drill



