

✈ Airport Applications

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Flight Announcement System[®]

FAS - The Elite system

IED's unique Flight Announcement System[®], FAS[®], allows arrival and departure announcements to automatically be played to the appropriate areas. The FAS integrates with the 500ACS[®] Announcement Control System hardware and software to allow the Microphone Stations to be used for the FAS and other purposes. These announcements are triggered using the Microphone Station's keypad in the gate or other areas. The FAS assembles and plays announcements from pre-recorded audio clips based on flight information data in the FAS database. This data may be automatically synchronized with the MUFIDS or data may be manually entered from a workstation.

The IED FAS is designed to increase the efficiency of the airline personnel by simplifying the process of making an announcement thus allowing them to focus on serving their customers.

With **FAS** you can make the following announcements:

- ✈ Pre-Boarding
- ✈ By Seating Area
- ✈ Gate Change
- ✈ Early-Boarding
- ✈ Final Call
- ✈ Delayed Flight
- ✈ General Boarding
- ✈ Arrival
- ✈ Canceled flight
- ✈ Boarding by Groups
- ✈ Baggage Claim
- ✈ Delayed Baggage

Announcements can be made in English, Spanish, French, German, Chinese, and Japanese, with more languages to be added soon.

What's more, if your airport has the IED 500VIS[®] Visual Information System[™], the *exact* text of the announcement is displayed synchronized with the audio on all of the displays in the area of the announcement, in languages used with the announcement. So even if customers are outside the gate waiting area out of earshot (using a telephone, getting coffee, buying a newspaper, etc.), they can still see an announcement.

By adding the IED 500VIS[®] Visual Information System to the FAS, a system can be produced which meets the design requirements of the Americans with Disabilities Act (ADA).

✈ Airport Applications

HOW DOES FAS WORK?

The main three components of FAS are the FAS software, the FAS audio clips called “takes,” and the IED 508 Series microphone stations, which include a numeric keypad and an LCD readout. The airline staff uses the 508 keypad to initiate the assembled announcements. The software then processes the data to assemble the proper takes and play the announcement.

508VFM-H
Microphone
Station



508DT-G
Microphone
Station



The assembled announcements are a combination of:

- Airline name
- Code Share with Flight numbers
- Arrival city or cities
- Departure city or cities
- Gate number
- Beginning row number
- Ending row number
- Boarding Flight
 - by groups with group numbers
 - by seating areas with seat numbers
- Arrival time
- Departure time
- Flight delay reason
- Baggage delay reason
- Baggage carousel number
- Airport welcome
- Greeting (“Good morning”, “Good afternoon”, etc.)
- Time segment (morning, afternoon, etc.)
- Time in minutes

✈ Flight Announcement System (FAS)

All flights for your airport are in the “Flight Announcement” database, sorted by airline name and flight number, and displayed as in this figure:

The screenshot shows the 'Flight Announcement System Editor' window. The title bar indicates the user is logged in as 'MLewellyn' at IP '10.2.131.102'. The interface is divided into two main sections: 'Arrivals' and 'Departures', each with a table of flight records. At the bottom, there are navigation tabs for days of the week and a 'Yesterday' option.

Arrivals												
Airline	Flt. Num.	City 1	City 2	City 3	Actual Flig	Scheduled	Flight Stat	Plane Stat	Reason	Gate	Aircraft Ty	Baggage
AQ	269	HNL	OGG		2003/11/25	2003/11/25	1	1	0	8	735	A
AA	741	DFW			2003/11/25	2003/11/25	1	1	0	7	757	A
UA	33	SFO			2003/11/25	2003/11/25	1	1	0	9	757	A2
AA	187	HNL	OGG		2003/11/25	2003/11/25	1	1	0	6	717	B
AQ	29	HNL	OGG		2003/11/25	2003/11/25	1	1	0	8	735	A
AA	139	HNL	KOA		2003/11/25	2003/11/25	1	1	0	6	757	B
AQ	209	HNL	OGG		2003/11/25	2003/11/25	1	1	0	7	735	A
UA	75	SFO			2003/11/25	2003/11/25	1	1	0	10	757	A2
HA	317	HNL			2003/11/25	2003/11/25	1	1	0	5	717	B
AQ	257	HNL	KOA		2003/11/25	2003/11/25	1	1	0	7	735	A
AA	167	HNL	OGG		2003/11/25	2003/11/25	1	1	0	6	717	B
HA	169	HNL	OGG		2003/11/25	2003/11/25	1	1	0	5	717	B
AA	287	HNL	OGG		2003/11/25	2003/11/25	1	1	0	8	735	A

Departures												
Airline	Flt. Num.	City 1	City 2	City 3	Actual Flig	Scheduled	Flight Stat	Plane Stat	Reason	Gate	Aircraft Ty	Boarding
AQ	214	HNL			2003/11/25	2003/11/25	1	1	0	7	735	0
AQ	212	HNL	OGG		2003/11/25	2003/11/25	1	1	0	8	735	0
AA	742	JFK			2003/11/25	2003/11/25	1	1	0	7	757	0
UA	998	ABI			2003/11/25	2003/11/25	1	1	0	11	757	0
AA	168	JFK	MEX		2003/11/25	2003/11/25	1	1	0	6	757	0
HA	510	HNL			2003/11/25	2003/11/25	1	1	0	5	717	0
AQ	248	OGG			2003/11/25	2003/11/25	1	1	0	7	735	0
AQ	256	HNL	OGG		2003/11/25	2003/11/25	1	1	0	8	735	0
UA	32	SFO			2003/11/25	2003/11/25	1	1	0	9	757	0
AA	186	HNL	OGG		2003/11/25	2003/11/25	1	1	0	6	717	0
AQ	218	HNL	KOA		2003/11/25	2003/11/25	1	1	0	7	735	0
AA	140	HNL	OGG		2003/11/25	2003/11/25	1	1	0	6	757	0
AA	224	HNL	OGG		2003/11/25	2003/11/25	1	1	0	7	735	0

Navigation tabs: Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, All, Yesterday

Flight Announcement System Editor Screen

These flight records are entered manually using the form shown below, or the software can interface with the Flight Information Display System to access its database.

The screenshot shows the 'AA Flight Number: 168' entry form. It contains several sections for data entry:

- Carriers:** Airline (AA), Code Share (empty), Code Share (empty). Flight Num: 168.
- Airports:** City One (JFK), City Two (MEX), City Three (empty).
- Aircraft Type:** 757. Meal (0).
- Days of week:** MTWTFSS. Gate (6).
- Arrive-Depart:** D.
- Flight Time and Date:** Sch. Flight Time (12:50), Eff. Date (2003/11/16), Disc. Date (2013/11/13).

Buttons: Previous, Next, Okay, Cancel.

Flight Record Entry Form

Created, Developed, and Supported by IED

IATA Code	Airport Name	Take #	Pri Language	2nd Language
ABE	Allentown	2300	English	[None]
ABI	Ablene	2745	English	[None]
ABJ	Abidjan	2675	English	[None]
ABQ	Albuquerque	2002	English	Spanish
ACA	Acapulco	2102	Spanish	[None]
ACC	Accra	2697	English	[None]
ACK	Nantucket	2363	English	[None]
ACV	Arcata/Eureka	2390	English	[None]
ACY	Atlantic City	2244	English	[None]
ADL	Adelaide	2171	English	[None]
AGP	Malaga	2694	Spanish	[None]
AGS	Augusta	2276	English	[None]
AGU	Aguascalientes	2707	Spanish	[None]
AKJ	Asahikawa	2526	English	[None]
AKL	Auckland	2173	English	[None]

Airport Record Display and Edit Screen

Ref #	Description	Airline ID	Take #	Mic Password
1	United Airlines	UA	1001	3141
2	American Airlines	AA	1002	2718
3	Delta Air Lines	DL	1003	4231
4	U-S Airways	US	1004	1234
5	British Airways	BA	1005	2852
6	Canadian Airlines	CP	1006	3948
7	Lufthansa	LH	1007	1125
8	KLM Royal Dutch Airlines	KL	1008	4582
9	TWA	TW	1009	1434
10	Continental Airlines	CO	1010	1935
11	Northwest Airlines	NW	1011	1966
12	Southwest Airlines	WN	1012	9642
13	Department of National Defense	YF	1013	8804
14	Alitalia	AZ	1014	2938
15	American Eagle	MQ	1015	9153

Airline Record Display and Edit Screen

The announcements are assembled from templates, as shown in this screen. This information can also be displayed in any of the available languages.

Announcement Parameters Assemble Takes

Entry Code: 1102 Description: Continued boarding by boarding card

Buttons: Insert Take, Delete Take, Append Take, English

9991	5537	-2	5002	-1	5251	-4	-24	5538	-22
5549	-13	5012	-14	5442	-3	-24	5531	-22	5535
-14	5540	5071							

1 second silence | Ladies and gentlemen thank you for waiting. We will continue boarding | < Airline Name > | flight | < Flight # > | with service to | < Departure City > | < Period Character > | Those passengers with | < Card Color > | boarding cards | < Beginning # > | through | < Ending # > | you may now board through gate | < Gate # > | < Period Character > | Please have your | < Card Color > | boarding cards out and available. If you have a boarding card number higher than | < Ending # > | please remain seated until your number is called. | Thank you. |

Buttons: Ok, Apply, Cancel, Help

Announcement Template Assembly Screen

All this flight information is stored in the FAS. When an agent at an airline's gate wants to play an announcement, he or she uses the 508 microphone station's keypad and LCD to enter the prompted information.

The announcement then plays and its text is displayed simultaneously and in synchronization with the audible announcement over the IED Visual Information System (if available in your facility).

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