



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

# Memorandum

Subject: Program Guidance Letter 86-5

Date: 15 MAY 1986

From: Manager, Grants-in-Aid Division, APP-500

Reply to  
Attn. of:

To: PGL Distribution List

The following PGL's are cancelled upon receipt of Change 2 of Order 5100.38, AIP Handbook.

<u>PGL #</u>	<u>Reason for Cancellation</u>
85-1.2	Change 2, Par 630
85-2.1	Change 2, Par 711
86-2.2	Change 2, par 402a(14)
86-3.1	Change 2, Par 541d
86-3.3	Change 2, Par 35 & Par 1531
86-4.2	Change 2, Par 1400b
86-4.3	Change 2, Par 566

86-5.1 Automated Weather Observing Systems (AWOS) - Ben Castellano (426-3857)

AC 150/5220-16, Automated Weather Observing Systems (AWOS) for non-Federal Applications, dated 4/11/86, lists the requirements for AWOS as an approved source of aviation weather information. Attached is the revised paragraph 543 of 5100.38 which lays out the program guidance for such equipment. This guidance is effective upon receipt. The names of approved system manufacturers can be obtained from AAS-200 and the benefit/cost ratio information is available from APP-510.

86-5.2 Coordination of Microwave Landing System (MLS) Program - Ben Castellano (426-3857)

Several meetings have been held recently between APP and APM regarding the MLS. Over the next 15 years there will be approximately 1,250 systems installed under the Facilities and Equipment Program. In 1984, the first contract was signed to provide for 178 units with an installation date of July 1987 for the first of these units. Attached is a list of the 178 sites scheduled to receive MLS under this contract. A second contract is expected to be signed this year for another 500 units while a third contract in 1992 will provide the additional 542 units.

Each region should review this list with the MLS Regional Associate Program Manager and, if necessary, the airport sponsor to determine whether any airport development work will be necessary to accommodate the MLS installation. (For your convenience, a list of program managers is also attached.)

Working with the associate program managers and the airport sponsors in advance may well preclude situations such as an MLS being installed but the airport not having the proper supporting equipment, such as centerline lighting, etc.

*Edgar M. Will*

Lowell H. Johnson

Attachments

- 1 - AWOS Handbook Page
- 2 - MLS Site List
- 3 - Program Manager List
- 4 - PGL-INDEX

Canceled

### 543. AUTOMATED WEATHER OBSERVING SYSTEM (AWOS)

a. Eligibility. To qualify for an AWOS, an airport must be subjected to a benefit/cost analysis and achieve a ratio greater than 1. This analysis is performed in headquarters. Contact APP-510 for assistance. An airport may be eligible for any or all of the three configurations described below since the costs and benefits are different for each. The sponsor may select among those for which the airport qualifies.

b. Coordination Within the Region. Many airports already qualify for and may be programmed to receive AWOS under the F & E program. Prior to approving a grant application for AWOS, the project should be coordinated with the regional AWOS program manager and the sponsor should be advised of the status of its airport vis-a-vis the F & E program for AWOS.

c. System Configuration.

(1) AWOS 1. This basic unit consists of a central processor and sensors to measure altimeter setting, wind data (direction, speed, and gust), temperature, dewpoint, and density altitude. The information provided by the basic unit is sufficient for many GA airports.

(2) AWOS 2. This consists of the basic unit described in (1) above with the addition of a visibility sensor. Reliever airports may qualify for AWOS 2 since the ceiling information is normally available from the major airport in that geographic area.

(3) AWOS 3. AWOS 3 consists of the basic unit, the visibility sensor, and a sensor to measure the ceiling (ceilometer). AWOS 3 provides information which is required for operations under FAR Parts 121 and 135.

(4) VHF Transmitter. The FAA policy is to transmit AWOS output over the voice channel of an existing navigational aid such as a VOR or NDB. If there is no nearby navigational aid that satisfies the coverage requirement, or if the channel is already used, then a separate VHF transmitter must be used. This transmitter, if required, is eligible for funding.

(5) Automatic Telephone Answering Device. The AWOS may be provided with an automatic telephone answering device which allows pilots to call the AWOS and receive the weather report. This device is eligible and recommended for AIP funded AWOS's; however, the on-going cost for leasing the telephone line to service the modem is not eligible.

(6) AWOS Data Acquisition System (ADAS). Sponsors should be encouraged to connect the AWOS to the ADAS, thereby making the data available on the national weather network. This interface requires a modem located at the AWOS and a leased telephone line to the ADAS, located at the ARTCC. The modems to interface the systems are eligible. At certain locations, the FAA will reimburse the sponsor under the F & E Program for the leasing costs of the telephone line. Responsibility for communication line charges should be determined by the regional AWOS program manager, and the sponsor fully advised of his continuing costs, if applicable. Telephone line leasing charges are not eligible project costs.

(7) Ancillary Systems. While other options in the way of displays, printers, and sensors may be available, Airports field offices should approve only the minimum necessary for the type of system for which the airport is eligible. Remote maintenance monitoring is not eligible except as allowed in e., below.

d. Frequency Requirements. Prior to AWOS going under grant, the sponsor must obtain a frequency assignment for the equipment from the FAA regional Frequency Management Officer.

e. State Sponsorship. A state may act as agent or cosponsor for airports wishing to obtain this equipment. Each airport to be so equipped must sign the grant agreement. If the State plans to provide maintenance for a number of these systems under a formal maintenance agreement (a copy of which should be on file with the Airports field office) the remote maintenance monitor feature will be eligible.

f. Procurement. AWOS equipment shall be procured and installed through the competitive bidding process under Attachment O of A-102. Only equipment approved by the FAA as meeting the interim guidance of AC 150/5220-16, Automated Weather Observing Systems (AWOS) for non-Federal Application, shall be eligible. An additional 10% of the equipment cost is allowable for spare parts as required.

g. Sponsor's Obligations. Sponsors should be advised that they will be required to operate and maintain the equipment for its useful life (estimated to be 15 or 20 years). The FAA will not take over the ownership, operation, and maintenance of any sponsor-acquired equipment, even if the location meets the qualification criteria in Airway Planning Standard No. 1. The Special Condition on Nav aids, (appendix 9, paragraph 6) will be required in each grant.

Scheduled MLS Locations

As of 19 Apr 1986

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LINE NUM		RUNWAY		MLS CURRENT			MLS						
Old	New	CHG ST	CITY	AIRPORT NAME	LOCID	Old	New	FACID	LENGTH	CONF	PREC	FY	NET
39	39	AK	ANCHORAGE	ANCHORAGE INTERNATIONAL	ANC	06R	ANC	10897	3	II		84	1.008
88	89	AK	BARROW	WILEY POST WTLL ROGERS MEMORIAL	BRW	06	BRW	6500	1	I/DME		86	1.019
38	38	AK	CORDOVA	CORDOVA-MILE 13	CDV	27	CDV	7499	1	I/DME		86	1.008
86	87	AK	DEADHORSE	DEADHORSE	SCC	04	SCC	6499	1	I/DME		86	1.019
85	86	AK	FAIRBANKS	FAIRBANKS INTERNATIONAL	FAT	19R	FAT	10300	3	I		84	1.019
171	171	AK	FORT YUKON	FORT YUKON	FYU	21		5809	1			86	1.035
170	170	AK	GALENA	GALENA	GAL	25		7254	1			86	1.035
32	32	AK	JUNEAU	JUNEAU INTERNATIONAL	JNU	08	JDL	8456	1	LDA		82	1.007
87	88	AK	KENAI	KENAI MUNICIPAL	ENA	19	ENA	7575	1	I		84	1.019
34	34	AK	KETCHIKAN	KETCHIKAN INTERNATIONAL	KTN	29		7497	4			82	1.007
173	173	AK	KING SALMON	KING SALMON	AKN	11	AKN	8500	1	I			1.035
172	172	AK	NOME	NOME	OME	27	OME	6001	1	I		1	1.035
35	35	AK	PETERSBURG	PETERSBURG	PSG	22	PSG	6004	2	LDA/DME		82	1.007
33	33	AK	SITKA	SITKA	SIT	11	SIT	6500	1	LDA/DME		82	1.007
36	36	AK	WRANGELL	WRANGELL	WRG	09	RGL	6003	1	LDA/DME		83	1.008
37	37	AK	YAKUTAT	YAKUTAT	YAK	11	YAK	7748	1	I		86	1.008
175	175 ***	AL	BIRMINGHAM	BIRMINGHAM MUNICIPAL	BHM	05	23	ROE	10000	3	LOC	86	1.036
95	96	AL	OZARK	Ft Rucker, Cairns Army Airfield	OZR	06	OZR	4500	1	I/RDP		2	1.021
96	97	AL	TROY	TROY MUNICIPAL	TOI	32		4999	1			2	1.021
16	16	AR	FAYETTEVILLE	DRAKE FIELD	FYV	16	FYV	6006	1	LOC		86	1.004
18	18	AR	FORT SMITH	FORT SMITH MUNICIPAL	FSM	07	FSM	8000	1	BC		86	1.004
17	17	AR	LITTLE ROCK	ADAMS FIELD	LIT	22	RAY	7173	1	I		86	1.004
7	7	AZ	FLAGSTAFF	PULLIAM	FLG	21		6999	3			1	1.002
73	74	AZ	GRAND CANYON	GRAND CANYON NATL PARK	GCH	21		8999	3			1	1.016
124	125	AZ	MESA	FALCON FIELD	FFZ	22L		5100	1			1	1.027
77	78	AZ	PAGE	PAGE MUNI	PGR	15		5499	1			1	1.017
42	42	AZ	PHOENIX	PHOENIX SKY HARBOR INTL	PHX	26R		11001	3			85	1.009
122	123	AZ	PHOENIX	PHOENIX-DEER VALLEY MUNI	DVT	25L		5300	1			1	1.027
126	127	AZ	PHOENIX	PHOENIX SKY HARBOR INTL	PHX	08R	PHX	10310	3	I		85	1.027
150	151	AZ	SCOTTSDALE	SCOTTSDALE MUNI	SOL	21		8251	1			1	1.031
47	153 ***	AZ	TUCSON	TUCSON INTL	TUS	11L	TUS	12002	3	I		85	1.032
152	47 ***	AZ	YUMA	YUMA MCAS/YUMA INTL	YUM	21R	YUM	13299	3	I			1.010
41	41	CA	BURBANK	BURBANK-GLENDALE-PASADENA	BUR	15		6902	1			85	1.009
165	166	CA	CARLSBAD	MCCLELLAN-PALOMAR	CRQ	24	CRQ	4700	1	I		85	1.034
45	45	CA	CONCORD	BUCHANAN FIELD	CCR	19R	CCR	4712	1	LDA		1	1.010
153	154	CA	LONG BEACH	LONG BEACH-DRAUGHTERY FIELD	LGB	30	LGB	10000	3	I		86	1.032
75	76	CA	LOS ANGELES	LOS ANGELES INTERNATIONAL	LAX	06R	GPE	10285	3	I		85	1.017
40	40 ***	CA	LOS ANGELES	LOS ANGELES INTERNATIONAL	LAX	24R	24L	HOB	10285	3	I	84	1.009
162	163	CA	LOS ANGELES	LOS ANGELES INTERNATIONAL	LAX	07L	IAS	12091	3	I		84	1.034
74	75	CA	LOS ANGELES	LOS ANGELES INTERNATIONAL	LAX	06L	UMU	8925	3	I		84	1.016
147	148	CA	LOS ANGELES	LOS ANGELES INTERNATIONAL	LAX	25L	LAX	11096	3	II		84	1.031
163	164	CA	LOS ANGELES	LOS ANGELES INTERNATIONAL	LAX	07R	MKZ	11096	3	I		85	1.034
154	155 ***	CA	ONTARIO	ONTARIO INTERNATIONAL	ONT	26L	26R	ONT	10001	3	LOC	86	1.032
125	126	CA	PALM SPRINGS	Palm Springs Muni	PSP	30		7013	1			1	1.027
129	130	CA	SACRAMENTO	SACRAMENTO METROPOLITAN	SMF	16	SMF	8600	1	II		85	1.028
134	135	CA	SACRAMENTO	SACRAMENTO METROPOLITAN	SMF	34	NUX	8600	1	I		85	1.028
151	152	CA	SAN DIEGO	GILLESPIE FIELD	SEE	27R	SEE	5341	1	LOC		86	1.032
46	46	CA	SAN DIEGO	SAN DIEGO-LINDBERGH FIELD	SAH	27	UBR	9400	3	LOC		85	1.010
164	165	CA	SAN DIEGO	SAN DIEGO-LINDBERGH FIELD	SAH	09	SAH	9400	1	I		85	1.034
43	43 ***	CA	SAN FRANCISCO	SAN FRANCISCO INTERNATIONAL	SFO	28R	19L	SIA	9500	5	I	85	1.009
148	149	CA	SAN JOSE	SAN JOSE MUNI	SJC	12R	SLV	8899	1	I		85	1.031
76	77	CA	SAN JOSE	SAN JOSE MUNI	SJC	30L	SJC	8899	1	I		85	1.017
168	169	CA	SAN JOSE	RETO-HILLVIEW OF SANTA CLARA	RHV	31R		3101	1			86	1.034
127	128	CA	SAN LUIS OBISPO	SAN LUIS OBISPO COUNTY	SBP	29		4799	1			86	1.027
71	72	CA	SANTA ANA	JOHN WAYNE AIRPORT-ORANGE CO	SNA	19R	SNA	5700	1	I		85	1.016

LINE NUM		RUNWAY		MLS CURRENT			MLS						
Old	New	CHG ST	CITY	AIRPORT NAME	LOCID	Old	New	FACID	LENGTH	CONF	PREC	FY	NET
78	79	CA	SANTA BARBARA	SANTA BARBARA MUNICIPAL	SBR		25		6019	1		85	1.017
166	167	CA	SANTA MARIA	SANTA MARIA PUBLIC	SMX		12	SMX	6300	1	I	85	1.034
123	124	CA	SANTA MONICA	SANTA MONICA MUNICIPAL	SMD		21		4987	1		1	1.027
133	134	CA	SOUTH LAKE TAHOE	SOUTH LAKE TAHOE	TUL		18	TUL	8544	1	LDA/DME	1	1.028
	8	CO	ALAMOSA	ALAMOSA MUNICIPAL(BERGMAN FLD)	ALS		02		8999	1		82	1.002
119	120	CO	COLORADO SPRINGS	CITY OF COLORADO SPRINGS MUNI	COS		35	COS	11021	3	I	84	1.026
120	121	CO	COLORADO SPRINGS	CITY OF COLORADO SPRINGS MUNI	COS		17	LPI	11021	3	I	83	1.026
9	9	CO	DENVER	STAPLETON INTERNATIONAL	DNH		35L	SPD	11500	3	I	82	1.002
10	10	CO	DENVER	STAPLETON INTERNATIONAL	DNH		17R	MMX	11500	3	I/DME	82	1.002
121	122	CO	DENVER	STAPLETON INTERNATIONAL	DNH		08R	60W	10004	3	I/DME	86	1.026
117	118	CO	GRAND JUNCTION	WALKER FIELD	GJT		11	GJT	10501	3	I	84	1.026
118	119	CO	GUNNISON	Gunnison County	GUC		06	GUC	7198	1	K	82	1.026
102	103	CT	GROTON	GROTON-NEW LONDON	GON		23		5000	1		86	1.023
104	105	CT	NEW HAVEN	TWECO-NEW HAVEN	NUN		02	NUN	5600	1	I	86	1.023
101	102	***	CT WINDSOR LOCKS	BRADLEY INTERNATIONAL	BDL	06	33	IKX	6846	1	I	85	1.023
21	21	DC	WASHINGTON	WASHINGTON NATIONAL	DCA		33	QWG	5189	1	MLS/RBD	83	1.005
61	62	DC	WASHINGTON	WASHINGTON NATIONAL	DCA		18	UWH	6869	1	LDA	83	1.014
22	22	DC	WASHINGTON	WASHINGTON NATIONAL	DCA		36	DCA	6869	1	II	83	1.005
178	178	FL	KEY WEST	KEY WEST INTERNATIONAL	EYW		09		4800	1			1.036
89	90	***	GA ATLANTA	LM B HARTSFIELD-ATLANTA INTL	ATL	09R	26L	BRV	10000	3	I	86	1.020
90	91	GA	ATLANTA	LM B HARTSFIELD-ATLANTA INTL	ATL		27L	FSD	9000	3	I	86	1.020
177	177	GA	SAVANNAH	SAVANNAH INTERNATIONAL	SAV		09	SAV	9003	1	I	86	1.036
99	100	IA	DES MOINES	DES MOINES MUNICIPAL	DSM		05		6501	1		86	1.022
12	12	***	IL CHICAGO	CHICAGO-OHARE INTL	ORD	14R	09R	MED	10141	3	I/RDR	86	1.003
70	71	IL	CHICAGO	CHICAGO-OHARE INTL	ORD		27L	TSL	10141	3	I	86	1.015
66	67	***	IL CHICAGO	CHICAGO-OHARE INTL	ORD	32L	04L	MMA	7500	3	LOC/RDR	86	1.015
11	11	IN	INDIANAPOLIS	INDIANAPOLIS DOWNTOWN HELIPORT	IND3		28		70	1		86	1.003
13	13	***	IN INDIANAPOLIS	INDIANAPOLIS INTERNATIONAL	IND	04L	22R	UZZ	10005	3	I	86	1.003
92	93	***	KY COVINGTON	GREATER CINCINNATI INTERNATIONAL	CVG	36	27L	JDP	7800	1	I	86	1.020
93	94	KY	LOUISVILLE	STANDIFORD FIELD	SDF		19	ADD	10000	1	I	86	1.021
30	30	LA	HOUMA	HOUMA-TERREBONNE	HUM		18	HUM	5001	1	I	86	1.006
27	27	LA	NEW ORLEANS	NEW ORLEANS INTERNL (MOISANT)	MSY		19	JFI	7000	1	BC	86	1.006
26	26	b	LA NEW ORLEANS	NEW HELIPORT	LQ75		28		70	1		86	1.006
29	29	LA	PATERSON	HARRY P. WILLIAMS MEMORIAL	PTN		23	PTN	5400	1	LOC/DME	86	1.006
28	28	LA	SHREVEPORT	SHREVEPORT REGIONAL	SHV		05		4821	1		86	1.006
3	3	MA	BOSTON	GEN EDW L LOGAN INTL	BOS		22L	LGN	10005	3	I	82	1.001
49	49	MA	BOSTON	GEN EDW L LOGAN INTL	BOS		33L	LTP	10081	3	I/DME	85	1.011
2	2	MA	BOSTON	GEN EDW L LOGAN INTL	BOS		04R	BOS	10005	3	II	82	1.001
50	50	MA	BOSTON	GEN EDW L LOGAN INTL	BOS		15R	MDC	10081	3	I/DME	86	1.011
999	56	***	MA PITTSFIELD	PITTSFIELD MUNICIPAL	PSF		26	EIF	5000	1	LOC	82	1.012
60	61	MD	BALTIMORE	BALTIMORE-WASHINGTON INTERNL	BWI		33L	RUX	9519	3	I	85	1.014
62	63	***	MD BALTIMORE	BALTIMORE-WASHINGTON INTERNL	BWI	10	15R	FWD	9519	3	I	85	1.014
143	144	MD	CAMP SPRINGS	Andrews Air Force Base	ADW		19R	MXK	9300	1	II	86	1.030
144	145	MD	CAMP SPRINGS	Andrews Air Force Base	ADW		01L	RWS	9300	1	II	86	1.030
55	55	ME	BANGOR	BANGOR INTERNATIONAL	BGR		33	BGR	11439	3	I	84	1.012
54	54	ME	PORTLAND	PORTLAND INTERNATIONAL JETPORT	PUM		11	PUM	6800	1	I	84	1.012
14	14	***	MI DETROIT	DETROIT METROPOLITAN-WAYNE CO	DTW	03L	21R	DWC	10501	3	I	86	1.003
69	70	MI	GRAND RAPIDS	KENT COUNTY INTERNATIONAL	GRR		26L	GRR	10000	3	I	86	1.015
65	66	MI	LANSING	CAPITAL CITY	LAN		28L	LAN	7251	1	I	86	1.015
67	68	***	MN MINNEAPOLIS	MINNEAPOLIS-ST PAUL-UMD-CNAB	MSP	29L	11R	MKZ	10000	3	I	86	1.015
97	98	MO	KANSAS CITY	DOWNTOWN	MKC		03		5052	1		86	1.022
98	99	MO	KANSAS CITY	KANSAS CITY INTERNATIONAL	MCI		27	RNI	9500	3	BC	86	1.022
100	101	NE	OMAHA	EPPLEY AIRFIELD	OMA		14L		4297	1		86	1.022
4	4	NH	LACONIA	LACONIA MUNICIPAL	LCT		08	LCT	5285	1	LOC	82	1.001
6	6	NH	LEBANON	LEBANON MUNICIPAL	LEB		18	DUR	5200	1	K	1	1.001

LINE NUM	RUNWAY			MLS CURRENT			MLS						
	Old	New	CHG ST CITY	AIRPORT NAME	LOCID	Old	New	FACID	LENGTH	CONF	PREC	TY	NET
5	5	NH	MANCHESTER	Manchester/Greiner Muni	MHT		35	MHT	7001	1	I	1	1.001
26	26 a	NJ	ATLANTIC CITY	FAA TECH CTR HELIPORT	ACV		HE		70	1		06	1.005
58	59	NJ	NEWARK	NEWARK INTERNATIONAL AIRPORT	EWR		11		6800	1		1	1.013
59	60	NJ	NEWARK	NEWARK INTERNATIONAL AIRPORT	EWR		22L	LSQ	9300	1	I	1	1.013
25	25	NJ	NEWARK	NEWARK INTERNATIONAL AIRPORT	EWR		04R	EZA	9300	3	II	05	1.005
149	150	NV	ELKO	ELKO MUNI - J.C. HARRIS FIELD	EKO		23	EKO	6401	1	LDA/DME	06	1.031
72	73	NV	LAS VEGAS	MC CARRAN INTL	LAS		19L		9776	3		1	1.016
44	44	NV	RENO	RENO CANNON INT'L	RNO		34L	RNO	10000	3		1	1.010
167	168	NV	RENO	RENO CANNON INT'L	RNO		16R	RNO	9000	1	I	04	1.034
159	160	NY	ALBANY	ALBANY COUNTY	ALB		19	ALB	7200	1	I	05	1.033
145	146	NY	BINGHAMTON	LINK FIELD-BROOME COUNTY	BSM		34	BSM	6298	1	I	05	1.030
1	1	NY	BUFFALO	GREATER BUFFALO INTERNATIONAL	BUF		23	BUF	8102	1	I	05	1.001
56	57	NY	NEW YORK	LAGUARDIA	LGA		13	BDI	7000	1	I	04	1.013
24	24	NY	NEW YORK	JOHN F KENNEDY INTERNATIONAL	JFK		04L	HIQ	11351	3	I	05	1.005
57	58	NY	NEW YORK	JOHN F KENNEDY INTERNATIONAL	JFK		22L	HWY	8400	3	I	04	1.013
135	136	NY	NEW YORK	JOHN F KENNEDY INTERNATIONAL	JFK		31R	RTN	10001	3	I	05	1.029
23	23	NY	NEW YORK	LAGUARDIA	LGA		22	WRD	7000	4	I	04	1.005
139	140	NY	NEW YORK	MANHATTAN WALL STREET HELIPORT	JRB		HE		70	1		06	1.029
106	107 ***	NY	NEW YORK	JOHN F KENNEDY INTERNATIONAL	JFK	13L	31L	MOH	14572	3	I/RDR	05	1.023
136	137	NY	NEW YORK	LAGUARDIA	LGA		31	PZV	7000	1	LOC	1	1.029
105	106	NY	NEW YORK	LAGUARDIA	LGA		04	LGA	7000	1	I	05	1.023
157	158 ***	NY	ROCHESTER	ROCHESTER MONROE COUNTY	ROC	04	22	MWD	8001	1	I	05	1.033
155	156	NY	SYRACUSE	SYRACUSE-WANCOCK INTERNATIONAL	SYR		14		7501	1		05	1.033
146	147 ***	NY	SYRACUSE	SYRACUSE-WANCOCK INTERNATIONAL	SYR	28	10	MRZ	9003	1	I	05	1.030
68	69 ***	OH	CLEVELAND	CLEVELAND-HOPKINS INTL	CLE	05R	23L	HPI	6243	1	I	06	1.015
19	19	OK	OKLAHOMA CITY	FAA Aeronautical Center	OKX		AC1		1	1		04	1.004
20	20	OK	OKLAHOMA CITY	FAA Aeronautical Center	OKX		DPT		1	1		04	1.004
132	133 ***	OR	PORTLAND	PORTLAND INTERNATIONAL	PDX	10R	10L	IAP	8004	3	BC	05	1.028
160	161	PA	ERIE	ERIE INTERNATIONAL	ERI		06	ERI	6500	1	I	05	1.033
161	162	PA	LANCASTER	LANCASTER	LNS		08	LNS	5398	1	I	05	1.033
63	64	PA	PHILADELPHIA	PHILADELPHIA INTERNATIONAL	PHL		17	MYV	5460	1	I	03	1.014
64	65	PA	PHILADELPHIA	PHILADELPHIA INTERNATIONAL	PHL		09L		9500	3		06	1.014
140	141	PA	PHILADELPHIA	NORTHEAST PHILADELPHIA	PNE		06	PNE	7000	1	BC	06	1.029
142	143	PA	PHILADELPHIA	PHILADELPHIA INTERNATIONAL	PHL		27R	PDP	9500	1	I	05	1.030
138	139	PA	PITTSBURGH	GREATER PITTSBURGH INTERNATIONAL	PIT		32	TQW	8101	1	I	1	1.029
158	159 ***	PA	PITTSBURGH	GREATER PITTSBURGH INTERNATIONAL	PIT	10L	10R	GUT	11500	3	I	03	1.033
137	138	PA	PITTSBURGH	GREATER PITTSBURGH INTERNATIONAL	PIT		28L	PFS	11500	3	I	03	1.029
156	157	PA	WILKES-BARRE/SCRANTON	WILKES-BARRE/SCRANTON INT'L	AUP		04	AUP	6449	1	I	05	1.033
103	104 ***	RI	PROVIDENCE	THEODORE F GREEN STATE	PVD	05R	23L	ARJ	7166	1	I/DME	06	1.023
174	174 ***	SC	CHARLESTON	CHARLESTON AFB/INTERNATIONAL	CHS	15	33	CCI	9001	1	I	06	1.036
176	176 ***	SC	COLUMBIA	COLUMBIA METROPOLITAN	CBE	11	29	WYK	8602	1	I	06	1.036
94	95 ***	SC	GREER	GREENVILLE-SPARTANBURG	GSP	03	21	LMJ	7600	1	I	06	1.021
91	92 ***	TN	MEMPHIS	MEMPHIS INTERNATIONAL	MEM	36L	27	JIM	8936	1	I	06	1.020
15	15	TX	DALLAS-FT WORTH	DALLAS/FORT WORTH INTERNATIONAL	DFW		17R	JHZ	11388	3	I	06	1.004
31	31	TX	HOUSTON	DAVID WAYNE HOOKS MEMORIAL	IAH		35L		7000	1		06	1.006
113	114	UT	LOGAN	LOGAN-CACHE	LGV		35		5939	1		1	1.025
115	116	UT	SALT LAKE CITY	SALT LAKE CITY INTERNATIONAL	SLC		16L	BMT	9596	3	I	04	1.025
116	117 ***	UT	SALT LAKE CITY	SALT LAKE CITY INTERNATIONAL	SLC	34L	34R		9596	3		04	1.025
114	115	UT	ST GEORGE	ST GEORGE MUNICIPAL	SGV		34		6100	1		1	1.025
112	113	VA	NORFOLK	NORFOLK INTERNATIONAL	ORF		23	JZQ	9000	1	I	06	1.024
111	112	VA	NORFOLK	NORFOLK INTERNATIONAL	ORF		05	ORF	9000	1	I	06	1.024
109	110	VA	RICHMOND	RICHARD EVELYN BIRD INTERNATNL	RIC		20		6607	1		1	1.024
107	108	VA	RICHMOND	RICHARD EVELYN BIRD INTERNATNL	RIC		02	EZD	6607	1	MLSdeno	1	1.024
108	109	VA	ROANOKE	ROANOKE REGIONAL/WOODRUM	ROA		05	SZK	6800	1	LDA	03	1.024
48	48	VT	BARRÉ-MONTPELIER	EDWARD F KNAPP STATE	MPV		17	MPV	5001	1	I	1	1.011

LINE NUM	CHG ST CITY			AIRPORT NAME	RUNWAY		FACID	LENGTH	CONF	MLS CURRENT		MLS NET	
	Old	New			Old	New				FY			
51	51	VT	BURLINGTON	BURLINGTON INTERNATIONAL	BTU	15	BTU	7807	1	I	81	1.011	
52	52	VT	RUTLAND	RUTLAND STATE	RUT	19	RUT	5000	1	LDA	82	1.012	
53	53	VT	SPRINGFIELD	SPRINGFIELD STATE/HARTNESS	USF	05	USF	5498	1	LOC	82	1.012	
169	81	WA	MOSES LAKE	GRANT COUNTY	MJH	32R	MJH	13502	3	I		1.018	
81	82	WA	PASCO	TRI-CITIES	PSC	21R	PSC	7700	1	I	86	1.018	
82	83	WA	PULLMAN	PULLMAN-MOSCOW REGIONAL	PIW	23		6731	1		86	1.018	
131	132	WA	RENTON	RENTON MUNICIPAL	RNT	15		5379	1		1	1.028	
130	131 ***	WA	SEATTLE	SEATTLE-TACOMA INTERNATIONAL	SEA	16R	34R	SEA	11900	1	I	85	1.028
128	129	WA	SEATTLE	BOEING FIELD/KING CO INTERNATL	BFI	13R	BFI	10001	3	I	85	1.028	
80	Delete	WA	SPOKANE	SPOKANE INTERNATIONAL	GEG	21	GEG	9000	3	II	85	Deleted	
83	84	WA	SPOKANE	FELTS FIELD	SFF	21R		4500	1		85	1.018	
79	80	WA	SPOKANE	SPOKANE INTERNATIONAL	GEG	03	OLJ	9000	3	I	85	1.018	
84	85	WA	WENATCHEE	PANGBORN FIELD	EAT	29		5499	1		1	1.018	
110	111	WV	CHARLESTON	KANAWHA	CRW	23	CRW	6302	1	I	85	1.024	
141	142	WV	CLARKSBURG	BENEDUM	CKB	21	CKB	5198	1	I	83	1.030	

Cancelled



## REGIONAL ASSOCIATE PROGRAM MANAGERS

<u>REGION</u>	<u>OFFICE</u>	<u>INDIVIDUAL</u>	<u>FTS</u>	<u>COMMERCIAL</u>
ALASKA	AAL-450	ALLEN B. HANSEN	271-5198	907-271-5198
CENTRAL	ACE-450	PAUL EVERMON	758-3937	816-374-3937
EASTERN	AEA-431	THOMAS HOM	667-1201	718-917-1201
GREAT LAKES	AGL-422	THOMAS BERRY	384-7593	312-694-7593
NEW ENGLAND	ANE-422	GERARD J. CASAVANT	836-7199	617-273-7199
NORTHWEST/ MOUNTAIN	ANM-422A	LARRY D. IHLEN	446-2418	206-431-2418
SOUTHERN	ASO-420	JOHN LUKASZEWICZ	246-7371	404-763-7371
SOUTHWEST	ASW-421	ROGER MORGAN	734-2477	817-877-2477
WESTERN/ PACIFIC	AWP-422	BOB KIVITT	984-1684	213-297-1684

Index for New Program Guidance Letters SystemIssued by APP-500PGL #85-1 - May 31, 1985

- 85-1.1 Airport Planning Eligibility
- ~~85-1.2~~ Definition of Airport Revenue - CNX - CHG 2, PAR 630
- 85-1.3 Retainage
- 85-1.4 Advance of Grant Payments
- 85-1.5 Changes in Airport Classification
- 85-1.6 Portable Hangars on Federally Funded Aprons
- 85-1.7 Eligibility - Emergency Operations Centers

PGL #85-2 - August 30, 1985

- ~~85-2.1~~ Deletion of Air Conditioning from "Basic" Noise Attenuation Package - CNX - CHG 2, PAR 711

PGL #86-1 - November 29, 1985

- 86-1.1 Taxiway Holding Position Markings

PGL #86-2 - January 28, 1986

- 86-2.1 Use of a Contingency Factor in Establishing Grant Amounts
- ~~86-2.2~~ Eligibility of Equipment Procurement Under System Planning - CNX - CHG 2, PAR 402

PGL #86-3 - February 11, 1986

- ~~86-3.1~~ PAPI - CNX - CHG 2, PAR 541d
- 86-3.2 Airport System Planning Grant Applications
- ~~86-3.3~~ New Grant Assurance Identifying Required Design Standards - CNX - CHG 2, PARS 35 & 1531

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- 86-4.1 Computerized File of Legal Opinions
- ~~86-4.2~~ Amendment to Contract Work Hours and Safety Standards Act - CNX - CHG 2, PAR 1400b
- ~~86-4.3~~ Friction Measuring Devices - CNX - CHG 2, PAR 566
- 86-4.4 Off-Airport Expenditure of Airport Revenue
- 86-4.5 Airport System Planning Grants

PGL #86-5 - May 8, 1986

- 86-5.1 Automated Weather Observation System (AWOS)
- 86-5.2 Coordination of MLS Program