

DCA01MA034  
March 29, 2001  
Aspen, CO

**NATIONAL TRANSPORTATION SAFETY BOARD**  
Washington, D.C.

ATTACHMENT 5

PAPI Documentation

(4 pages)

Light Unit	Standard Aiming Angle		Height Group 4 Aiming Angle	
	Degree	Decimal Equiv.	Degree	Decimal Equiv.
LHA#1	3°30'	3.50°	3°35'	3.58°
LHA#2	3°10'	3.17°	3°15'	3.25°
LHA#3	2°50'	2.83°	2°45'	2.75°
LHA#4	2°30'	2.50°	2°25'	2.42°

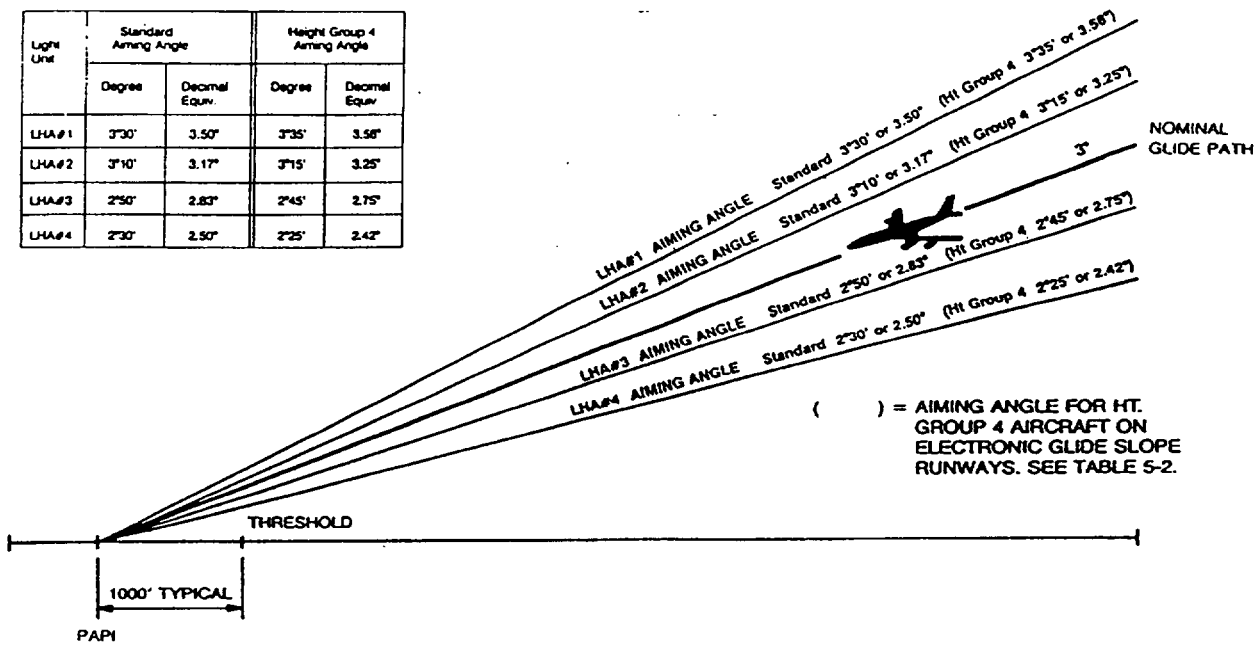


Figure 5-8. PAPI Approach Path Diagram

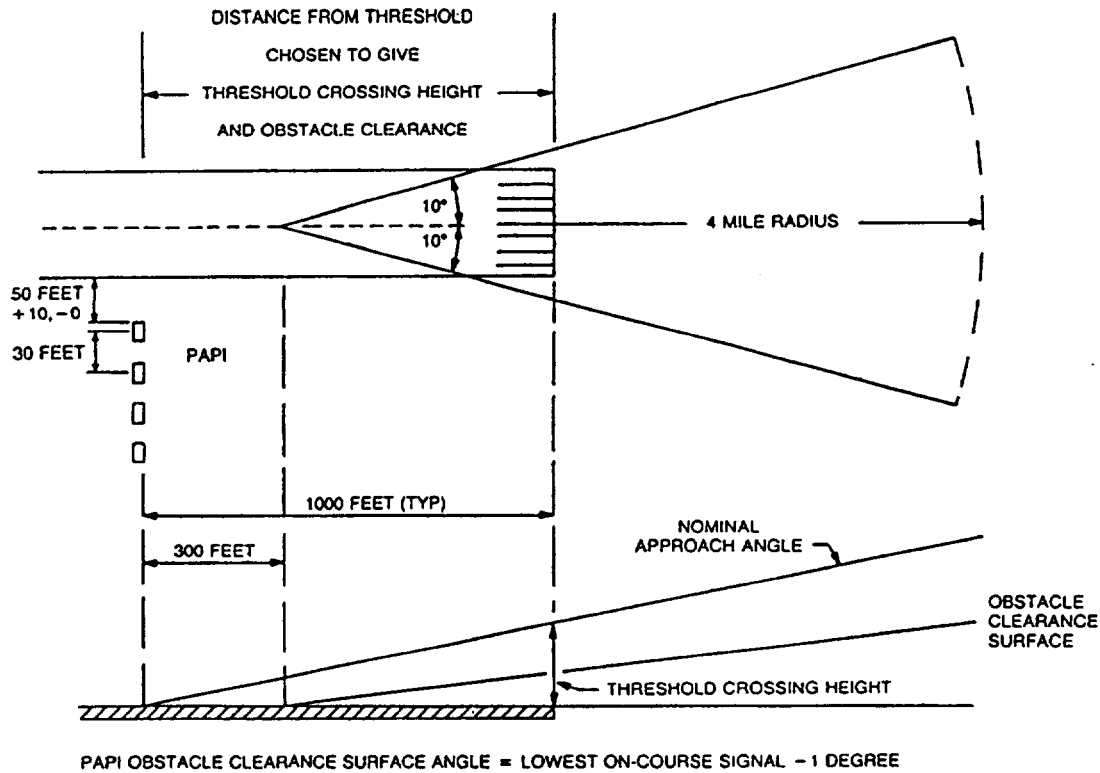


Figure 5-9. PAPI Obstacle Clearance Surface

698210-05

CIVIL

NFDC

PROCESSED BY AVN-210

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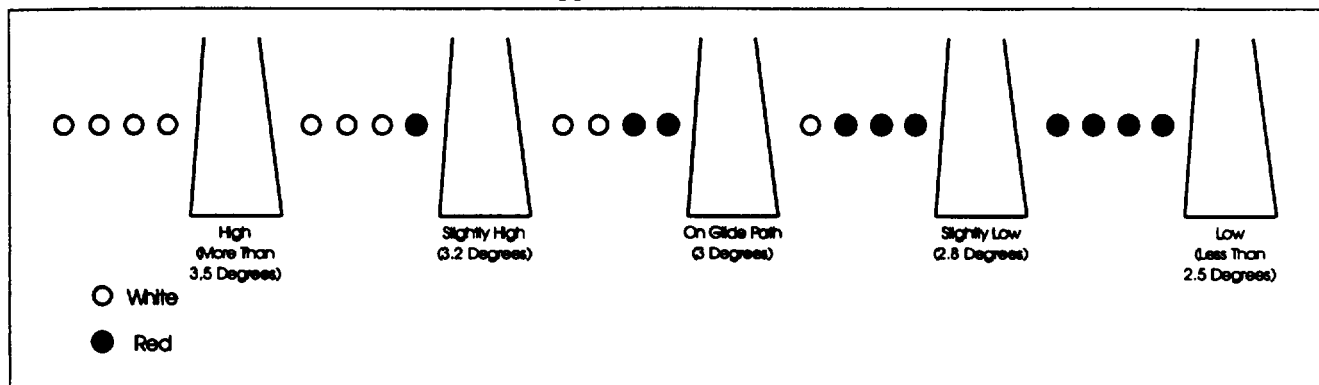
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FLIGHT INSPECTION REPORT--NONDIRECTIONAL BEACON, DIRECTION FINDING, VISUAL AIDS, COMMUNICATIONS												REVIEW INITIALS <i>JK</i>	
1. LOCATION: ASPEN, CO										2. IDENT: ASE			
3. COMMON SYSTEM:				4. DATE(S) OF INSPECTION: 2/8/99						5. OWNER: F			
6. TYPE OF INSPECTION		SITE EVALUATION			PERIODIC			SPECIAL		RF			
		COMMISSIONING			SURVEILLANCE			INCOMPLETE					
7. FACILITY / COMPONENT INSPECTED		DIRECTION FINDING		NDB		NDB / DME		COMMUNICATIONS		VISUAL AIDS			
								X					
8. NONDIRECTIONAL BEACON													
RADIO CLASS CODE:				FREQUENCY:				DME CHANNEL:					
ITEMS CHECKED		SAT		UNSAT		ITEMS CHECKED		SAT		UNSAT			
IDENTIFICATION:						COVERAGE				STATION PASSAGE			
INTERFERENCE:						NEEDLE OSCILLATIONS				STANDBY EQUIPMENT			
VOICE						BEARING ACCURACY				STANDBY POWER			
9. DIRECTION FINDING													
CHECKPOINT	AIRCRAFT ALTITUDE	AIRCRAFT DISTANCE	BEARING			FREQUENCY USED							
			AIRCRAFT	DF	ERROR								
STATION PASSAGE		SATISFACTORY		UNSATISFACTORY		STANDBY POWER		SATISFACTORY		UNSATISFACTORY			
10. VISUAL AIDS													
FACILITY INSPECTED		ALS		REIL		VASI		PAPI		RUNWAY (S) SERVED: 15			
ITEMS CHECKED		SAT		UNSAT		ITEMS CHECKED		SAT		UNSAT			
INTENSITY		X				ANGULAR COVERAGE		X		SEQUENCE FLASHERS			
GLIDE SLOPE ANGLE 3.00/2.99		X				OBST. CLEARANCE (VGS)		X		FOCUS AND ADJUSTMENTS			
COINCIDENCE (PAR/LS/MLS)						RUNWAY LIGHTS				RADIO CONTROL SYSTEM			
11. COMMUNICATIONS													
APPROACH CONTROL				FSS		TOWER		CENTER		OTHER			
FREQUENCY USED		PRIMARY		SECONDARY		VOICE QUALITY		COVERAGE		STANDBY POWER			
		SAT		UNSAT		SAT		UNSAT		SAT			
12. APPROACH:													
										SAT			
										UNSAT			
13. REMARKS: O-11-053/8 special inspection to replace VASI system with PAPI system, satisfactory. Glide slope angle verified using APIS. Due to terrain, PAPIs unusable beyond 7 degrees right of runway centerline. NOTAM issued through DEN FSS (2/8/99) and NFDC notified for publication (2/17/99). ATCT and maintenance advised of the results of the inspection.													
FACILITY STATUS		NOTAM's: See remarks.											
UNRESTRICTED													
RESTRICTED		X											
UNUSABLE													
REGION: ANM		FLIGHT INSPECTOR'S SIGNATURE: <i>Scott A. Thompson</i>				017		TECHNICIAN'S SIGNATURE: NA				AIRCRAFT NO: N56	
FIO: SAC													

**b. Precision Approach Path Indicator (PAPI):** The precision approach path indicator (PAPI) uses light units similar to the VASI but are installed in a single row of either two or four light units. These systems have an

effective visual range of about 5 miles during the day and up to 20 miles at night. The row of light units is normally installed on the left side of the runway and the glide path indications are as depicted. (See FIG 2-1-5.)

**Precision Approach Path Indicator (PAPI)**



**FIG 2-1-5**

**Technical Performance Record** **PRECISION APPROACH PATH INDICATOR**

Facility **PAPI** Location **ASPEN, CO.** Date (From - to) **2-13-01 - 3-30-01**

Equipment **FA-10265** Frequency **424.0** Serial No. **118.85** Supervisor (Signature) **Ronald X Tucker (Area Manager)**

Date	Time GMT	Visual Checks	Input Voltage (VAC)	Input Amps	Controls	Loop #1		Loop #2		LHA#1	LHA#2	LHA#3	LHA#4	Visual Obstruction	Hour Meter (hr)	Remarks	Initials
						Low Amps	High Amps	Low Amps	High Amps	Elevation	Elevation	Elevation	Elevation				
Nominal		OK	240		OK	4.5	6.4	4.5	6.4	3.30"	3.10"	2.50"	2.30"	OK	—	QUARTERLY PMS	
Upper		—	264		—	5.7	6.6	5.7	6.6	+ 6"	+ 6"	+ 6"	+ 6"	—	—		
Lower		—	216		—	4.2	6.2	4.2	6.2	- 6"	- 6"	- 6"	- 6"	—	—		
2-13	1720	✓	246		✓	4.27	6.22	4.28	6.21	3.30	3.10	2.50	2.30	✓	9533.3	no/QT/SA Bulbs	LB
3-30	1010	✓	243		—	4.19	6.23	4.29	6.21	3.30	3.06	2.51	2.13	✓	0025.2	As Fused	LB
3-30	1100									3.30	3.10	2.51	2.50			PAPI certified	LB
<i>I certify that the above is a true record of the facilities and equipment at the date and time indicated.</i>																	
ATSS Lt						OBSERVER											
Signature: Leslie Bear						Signature: Lee Beavers											
Name: Leslie Bear						Name: LEE BEAVERS											
Title: ATSS						Title: ATSS											

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