

Docket No. SA-520

Exhibit No. 2-K

NATIONAL TRANSPORTATION SAFETY BOARD

Washington, D. C.

FAA briefing papers dated 1/31/00

(6 Pages)

Alaska Airlines Inc. (ASAA)

Accident: January 31, 2000

Flight: ASAA 261

Enroute from Puerto Vallarte, Mexico to San Francisco, CA.

Aircraft: MD-83

N963AS

ACCIDENT Information:

Daily Atert Bulletin Information:

80 passenger, 5 crew fatal when Alaska, Flight 261 (N963AS), MD-80, crashed under unkn circumstances 20 NW Los Angeles, CA 311615P. Actf enroute Puerta Vallarte, Mexico to San Francisco, CA. WX: wind 280 at 9, vsby 75, few 1500, sct 11000, bkn 20000. (AWP ROC 1/31 Myles)

Date: January 31, 2000

Flight: ASAA 961

Destination Route: Enroute from Puerto Vallarte, Mexico to San Francisco, CA.

Weather at the time of the accident:

Conditions at Los Angeles: (AWP ROC 1/31 Myles)

- Wind - 280 degrees @ 9 knots
- Visibility - 75 statue miles
- Few clouds @ 1500
- Scattered clouds @ 11000
- Broken ceiling @ 20000

Injury Data:

Early rescue attempts and search operations indicators presume 100% fatalities.

OPERATOR Information:

Alaska Airlines Vitals (VIS):

Name: Alaska Airlines, Inc.
Address: P. O. Box 68900
SEAYZ
Seattle, WA. 98168
206-431-7420

Certification: ASAA802A (DFG)
Issue Date: 09/23/1946
CHDO: Seattle, WA (NM01)

Principal Inspectors:
POI: Dennis M. Ham
PMI: John M. Hubbard
PAI: Christina L. Dawson



Fleet Composition: 88 Total Aircraft

B-737-210C	002	B-737-4Q8	022
B-737-290C	003	B-737-490	015
B-737-298C	001	B-737-4S3	001
B-737-2Q8C	001	B-737-790	003
B-737-2X6C	001	DC-9-82	013
		DC-9-83	026

Alaska Airlines Fleet Statistics:

Average MD-80 Airframe Hours – 31575.94
Average MD-80 Airframe Cycles – 18396.86

World wide In-service MD-80's: Approximately 1151 aircraft
Average age of world-wide fleet: Approximately 10.79 years

Pilot Training:

Alaska has conducted training for its MD-80 fleet under Airman Qualification Program (AQP) since March 1, 1995. Alaska is currently in Phase IV in all flight crewmember curricula. Phase IV approval is synonymous with initial approval of a training program, which can last up to two years.

Contractors:

Alaska Airlines has 19 repair stations conducting substantial maintenance functions.

ENFORCEMENT Information:

Historical Information:

651 Total Enforcements since 1964
076 Open Violations

Current EIS Information:

FY1998: 11 non-security violations
FY1999: 10 non-security violations
FY2000 YTD: 6 non-security violations

PREVIOUS ACCIDENT AND INCIDENT Information:

Since 07/02/1986, Alaska Airlines has had 5 accidents and 78 incidents, including one accident on 09/01/1997 involving a DC-9-82 in Fairbanks, AK. Of the 78 incidents, 10 involved MD-80 (DC-9-83) aircraft. There were two fatal accidents prior to 1986, as follows:

- 09/04/1971 - ASAA 727-100, near Juneau, AK
- 04/05/1976 – ASAA 727, Ketchikan, AK

Accident Synopsis:

Date	Aircraft	Fatalities	NTSB Report #	Comment
08/14/98	B-737	No Injuries/ Fatalities	ANC98LA122	Hard landing
03/04/1998	B-737	Flight Attendant injured	LAX98LA104	Turbulence -- no aircraft damage
09/01/1997	MD-82	Minor injuries during evacuation	SEA97FA202	Nose gear collapse on landing
12/22/1996	B-737	Minor injuries	ANC97LA015	Turbulence-Flight Attendant injured
03/13/1990	B-727	Fatal	LAX90LA116	Struck mental patient who had wandered onto runway.

SURVEILLANCE Information:

Air Transportation Oversight System (ATOS) Carrier

ATOS Inspection Activity Summary Report:

Activities from March 11, 1999 through February 1, 2000:

Type of Activity	Completed Inspections	Inspections In Progress	** Activities Saved Final
EPI	44	21	171
SAI	31	29	137

** Activities Saved Final -- activities are observation or examinations conducted by inspectors that are part of an EPI or SAI.

ATOS Activity by Specialty:

Type of Activity	Completed Inspections		Activities Saved Final	
	AW	OPS	AW	OPS
EPI	22	22	89	82
SAI	11	20	98	39

PTRS Surveillance Information:

Specialty	FY1998			FY1999			FY2000 YTD**		
	#PTRS	# U/P Note:	% U/P	#PTRS	# U/P	% U/P	# PTRS Comments	# U/P	% U/P
Operations	1162	39	3.36	1224	27	2.21	115	22	19.1
Maintenance	877	80	9.12	662	36	5.44	74	2	2.7
Avionics	306	27	8.82	256	14	5.47	36	3	8.3
Total	2345	146	6.23	2142	77	3.59	225	27	12.0

**For FY2000 YTD, there are 156 surveillance records with 225 comments.

Note: U's = Unacceptable; P's = Potential findings identified in the course of a surveillance activity.



Broken down by CMT(ATOS)									
		OPS	MAINT	AV	CSI	SUPV	ADMIN	DEPM	TOTAL
95	AUTHOR	4	4	1	0	1	1	0	11
95	ON-BOA	4	3	1	0	1	1	0	11
96	AUTHOR	4	4	1	1	1	1	0	12
96	ON-BOA	4	4	1	0	1	1	0	12
97	AUTHOR	4	4	1	1	1	1	0	12
97	ON-BOA	4	4	1	1	1	1	0	12
98	AUTHOR	5(3)	4(3)	1(3)	1	1	1	1	22
98	ON-BOA	4(3)	4(3)	1(3)	1	1	1	0	21
99	AUTHOR	5(3)	5(3)	2(3)	1	1	1	1	24
99	ON-BOA	5(3)	4(3)	1(2)	0	1	1	1	20

(8 on board 8 authorized inspectors)

Attrition Rates for the Alaska Airlines CMS																
	OPS		MAINT		AV		CSI		SUPER.		ADMINIS.		DEPM		TOTAL CMT	
	on board	att. rate	on board	att. rate	on board	att. rate	on board	att. rate	on board	att. rate	on board	att. rate	on board	att. rate	on board	att. rate
95	4	0	3	0	1	0	0	N/A	1	0	1	0	0	N/A	10	0
96	4	25%	4	25%	1	0	0	N/A	1	0	1	0	0	N/A	11	18%
97	3*	50%	4	25%	1	0	1	0	1	0	1	0	0	N/A	11	27%
98	4	0	4	25%	1	0	1	0	1	0	1	0	0	N/A	12	8%
99	5	0	4	25%	1	0	0	100%	1	0	1	0	1	0	13	15%

*50 percent attrition from 4 total on-board at the beginning of the year. Lost 2, gained 1 from off-board total of 3.
Staffing of Alaska Airlines Certificate Management Section (CMS)

In 1998, the CMS transitioned to ATOS. Staffing level was twelve inspectors with an authorized level of 10. The inspectors received ATOS training in 1998.

In November 1999, the CMS sent a memorandum to ANM 200 requesting 4 airworthiness inspectors (3 on board and 1 cabin safety inspector). The CMS was provided with two additional airworthiness positions and one position for the cabin safety inspectors. The CMS was advised that further assessment was needed before providing the two remaining airworthiness inspectors. The review will include validation of the distribution of positions throughout the region. The current level of CMS (12 on board 15 authorized) and ATOS geographic (8 on board with 8 authorized) inspectors is 20.



**ATOS Inspection/Activity Summary Report
Element Performance Inspections
Data as of 2/1/00**

	Planned Inspections	Completed Inspections	Percent complete	nspections In Progress *	Activities Saved Final **	Activities In Progress ***
AALA	831	401	48%	190	2,420	78
ASAA	279	44	16%	21	171	24
AWXA	405	168	42%	22	475	31
CALA	392	283	72%	13	1,082	29
DALA	404	135	33%	129	1,190	94
NWAA	390	289	74%	36	1,444	98
SWAA	431	404	94%	0	1,575	0
TWAA	223	141	63%	20	576	25
UALA	439	109	25%	143	1,396	69
USAA	531	374	70%	118	4,032	13

* Includes incomplete inspections for which one or more activities have a status of Saved Final

** Includes all activities with a status of Saved Final

*** Includes all activities with a status of Saved Draft or Work in Progress

**ATOS Inspection/Activity Summary Report
Safety Attribute Inspections
Data as of 2/1/00**

	Planned Inspections	Completed Inspections	Percent complete	nspections In Progress *	Activities Saved Final **	Activities In Progress ***
AALA	65	9	14%	16	45	22
ASAA	88	31	35%	29	137	22
AWXA	82	28	34%	23	189	15
CALA	99	49	50%	21	156	11
DALA	87	11	13%	28	152	39
NWAA	84	72	86%	9	230	6
SWAA	83	82	99%	0	170	0
TWAA	87	53	61%	24	190	15
UALA	91	50	55%	15	202	12
USAA	87	77	89%	2	244	5

* Includes incomplete inspections for which one or more activities have a status of Saved Final

** Includes all activities with a status of Saved Final

*** Includes all activities with a status of Saved Draft or Work in Progress



**ATOS 2000 Inspection/Activity Summary Report
Element Performance Inspections
Data as of 5/16/00**

	Planned Inspections	Completed Inspections	Percent Completed	RNA	NA	Inspections In Progress	Activities Saved Final	Activities In Progress	Avg. Actv./Insp.
AALA	375	11	3%	0	5	241	1,286	137	6.5
ASAA	191	4	2%	14	4	35	187	22	7.5
AWXA	362	40	11%	5	21	99	748	87	7.0
CALA	219	104	48%	7	8	57	742	19	5.3
DALA	313	27	9%	26	9	123	843	164	10.7
NWAA	247	22	9%	0	14	112	632	82	4.8
SWAA	252	74	29%	0	12	67	600	91	5.6
TWAA	249	3	1%	0	7	68	246	46	11.7
UALA	462	28	6%	0	2	95	574	174	3.8
USAA	468	109	23%	7	7	143	1,926	71	9.5
Total	3,138	422	13%	59	89	1,040	7,784	693	6.9

**ATOS 2000 Inspection/Activity Summary Report
Safety Attribute Inspections
Data as of 5/16/00**

	Planned Inspections	Completed Inspections	Percent Completed	RNA	NA	Inspections In Progress	Activities Saved Final	Activities In Progress	Avg. Actv./Insp.
AALA	10	0	0%	0	0	3	8	11	
ASAA	24	0	0%	3	0	1	3	1	
AWXA	18	0	0%	0	0	4	6	13	
CALA	9	0	0%	0	0	9	91	14	
DALA	13	0	0%	0	0	0	0	4	
NWAA	12	1	8%	0	0	5	79	26	29.0
SWAA	12	1	8%	0	0	2	6	13	4.0
TWAA	21	0	0%	0	0	3	11	20	
UALA	38	1	3%	0	1	7	42	21	7.0
USAA	28	0	0%	0	0	3	15	42	
Total	185	3	2%	3	1	37	281	165	13.3

Key to Column Headings:

Planned Inspections: The total number of inspections planned on the current Comprehensive Surveillance Plan (CSP)

Completed Inspections: The number of inspections saved as status 'C' to the ATOS repository

Percent Completed: The number of completed inspections divided by the number of planned inspections

RNA: The number of inspections assigned as "Resources Not Available" on the CSP

NA: The number of inspections assigned as "Not Applicable" on the CSP

Inspections In Progress: Includes incomplete inspections for which one or more activities have a status of Saved Final

Activities Saved Final: Includes all activities with a status of Saved Final

Activities In Progress: Includes all activities with a status of Saved Draft or Work in Progress

Avg. Actv./Insp.: The average number of activities associated with the completed inspections

Data prepared by Flight Standards Safety Analysis Information Center (FSAIC)

