Docket No. SA-533

Exhibit No. 2-UU

NATIONAL TRANSPORTATION SAFETY BOARD WASHINGTON, D.C.

Empire Airlines Flight Operations Bulletin 09-04 (Icing / Post Accident)
(3 Pages)

ATTACHMENT 46



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Effective Date: 02/27/09

FLIGHT OPERATIONS BULLETIN 09-04

To:

ATR Flight Crews and Flight Followers

Date:

February 27, 2009

From:

Director of Operations

Subject: Icing

The following information supersedes the information contained in the "lcing" paragraph of the GOM 8-9.

Freezing rain (FZRA) and freezing drizzle (FZDZ) are not covered by the certification icing envelope as defined in Part 25 Appendix C. Takeoff or landing operations in known or reported FZRA or FZDZ, of any intensity, are prohibited.

In-flight encounters of SEVERE ICING are addressed for the ATR 42/72 under the QRH page 1.09, the AFM 2-06, 4-05 and also in the ATR POH 2.02.08 P11-13. Encounters of FZRA, FZDZ or mixed icing conditions may result in severe icing.

If an unreported encounter with FZRA or FZDZ occurs during final approach and landing, the flight may continue the landing provided all the ENTERING ICING CONDITIONS, ICE ACCRETION and SEVERE ICING checklist items are strictly followed and in particular the minimum severe icing speed is bugged and respected.

If the decision is made to continue the approach and landing, use the SEVERE ICING Checklist as follows:

AP (if engaged)FIRMLY HOLD CONTROL WHEEL and DISENGAGE

Hand fly the approach so that the AP does not mask the control loading



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SE	VEI	RE ICING CONDITIONSESCAPE by LANDING
ΔΤα	•	Crew decision to escape conditions by landing NOTIFY NOTIFY
<i>_</i>	-	After landing notify ATC of icing conditions
	lf a	an unusual roll response or uncommanded roll control
		ovement is observed : Push firmly on the control wheel
_		APS15
•		the aircraft is not clear of ice :
	GF	PWSFLAP/GPWS OVRD
		To prevent nuisance alerts on final
	AP	PP/LDG CONFMAINTAIN FLAPS 15
	_	Plan for a flaps 15 landing after an encounter with FZRA, FZDZ or
		SEVERE ICING
	WII	th "REDUCED FLAPS APP/LDG icing speeds" + 5 kt
		ATR 72 approach and landing speed is VmHB 15 Icing + 5 + wind
		effect (see QRH 4.63)
		ATR 42 approach speed is VmHB 15 Icing + 5 + wind effect (see QRH 4.63)
		ATR 42 landing speed is VmLB 15 lcing + 5 + wind effect (see QRH
	_	4.63)
	Mu	ultiply landing distance FLAPS 30 by:
	_	ATR 72 (PW 127) by 2.0 (see QRH 4.65 & 4.66)
	_	ATR 42 (PW 120/121) by 1.22 (see QRH 4.65 & 4.66)
	_	Use caution; if FZRA, FZDZ or other forms of freezing precipitation
		have been falling on the airport the runway will likely have reduced
		braking action.
,		END of PROCEDURE