Docket No. SA-531

Exhibit No. 2-JJ

NATIONAL TRANSPORTATION SAFETY BOARD

Washington, D.C.

Operations Group Chairman
Q400 QRH – Flight in Icing Conditions

(2 Pages)

FLIGHT IN ICING CONDITIONS

Take-off in icing conditions:

At 400 ft AGL: commencement of Third Segment;

- Increase speed to V_{climb} + 20 kts.
- Ref Speeds ..... Incr

Caution: *If airspeed is not increased before Ref Speeds switch is set to Incr, stall warning may occur.*

- Airframe Mode selector ..... Fast

At 400 ft AGL: continuation of Second Segment;

- Increase speed to V_2 + 20 kts (Flap 5, 10 and 15).
- Ref Speeds ..... Incr

Caution: *If airspeed is not increased before Ref Speeds switch is set to Incr, stall warning may occur.*

- Airframe Mode selector ..... Fast

Holding, Approach and Landing in Icing Conditions (Ice Protection Systems "On"):

Note: *Flap must be set at 0 when holding in icing conditions.*

- Airframe Mode selector ..... Fast
- Increase Speeds and Landing Field Lengths as follows:

FLAPS	V_{APP}	V_{GA}	V_{REF}	LFL	HOLDING
0	+ 25 kt	+20 kt	+ 25 kt	–	190 kt Min
5	+20 kt	+20 kt	+20 kt	–	–
10	+20 kt	+20 kt	+20 kt	+ 25%	–
15	+20 kt	+20 kt	+20 kt	+ 25%	–
35	–	–	+15 kt	+ 20%	–

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Holding, Approach and Landing After Flight in Icing Conditions or Icing Is No-Longer Detected and The ICE DETECTED Advisory Message Disappears on ED:

Note: *After exiting icing conditions, leave the deice system operating. Monitor the left and right wing leading edges and the wing tips.*

When all ice is removed from visible leading edges:

- Airframe Mode Select ..... Off

Note: *The aircraft can be considered aerodynamically clean when all ice is removed from the wing leading edges and wing tips.*

When the aircraft is aerodynamically clean:

- Ref Speeds ..... Off
- Minimum Speed ..... V_{REF}