Docket No. SA-531

Exhibit No. 2-Y

NATIONAL TRANSPORTATION SAFETY BOARD

Washington, D.C.

Operations Group Chairman
Colgan Q400 Normal Checklist

(2 Pages)

Q-400 NORMAL CHECKLIST

COLGAN AIR

ORIGINATING BEFORE START

Ext Pwr/APU Voltage	ON CHECKED __VOLTS	C
Recirc Fan	ON	C
Flight Deck Preparation	COMPLETE	CR
Anti-Skid	ON	C
Caution/Adv Lights	CHECK	C
Gear Pins	Stowed	CR
Gear Lever	DOWN/3 GREEN	CR
Alt Gear Dr-L/G Inhibit Switch	CLOSED/NORM	C
Standby Inst	CHECK	C
ED Messages	CHECK	C
Preflight Checks	COMPLETE	F

BEFORE START

Circuit Breakers	CHECK	CR
Emergency Lights	ARM	C
Escape Hatch	CLOSED	C
Nose Steering	OFF	C
Seat Belts & Shoulder Harness	ON	CR
Yaw Damper	ON	C
Fuel Qty	CHECK,_____ LBS	C
HYD # 3 Pressure	CHECK,____PSI	C
Emerg Brake/Pressure	ON/CHECK	C
Power Levers	DISC	C
Condition Levers	FUEL OFF	C
Departure Brief	COMPLETE	CR

ENGINE START

Battery Master/Main/Aux/Stby	ON	C
Doors/Fueling Lights	CLOSED/OUT	C
Seat Belt Sign	ON	C
APU Bleed	OFF	C
Lock Isolate	OFF	C
Anti-Collision Light	RED	C
Engine	CLEAR	CR

AFTER START

Ext Pwr/APU	OFF	C
Main Bus Tie	OFF	C
Bleeds	MIN/ON	C
Battery Temps	CHECK	C
Hyd Press/Qty	CHECK	C
Hyd #3 & Elevator	CHECK	CR
Aux/PTU/Stby Pumps	ON	C
Autofeather	A/F SELECT	C
Engine Rating	_____% SET/CHECK	C
Deice Pressure	CHECK	F
Flaps	_____° SET/INDICATING	CR
Rudder travel	FULL TRAVEL	C
Nose Steering	ON	C
Flight/Taxi	TAXI	C
Ice Protection	AS REQ'D	C
Caution/Warning Lights	CHECK	C
Flight Instr/YD/FD/Radio	CHECK/ON/SET	CR
Altimeters	_____ SET /CROSSCHECK	CR

TAXI

Takeoff Data/Briefing	SET/COMPLETE	CR
Condition Levers	MAX	CR
Trims	3 SET	CR
T/O Warning	TEST	C

BEFORE TAKEOFF

F/A Notification	RECEIVED	F
Transponder/TCAS	ON/ALT	F
Flight Controls	CHECKED/FREE	F
Radar/Terrain	AS REQ'D	F
Flight/Taxi	FLIGHT	F
Cabin PA	COMPLETE	F
External Lights	ON	F

CLIMB

Landing Gear	UP	PM
Flaps	0°	PM
Power	SET	PM
Bleeds	NORM/ON	PM
Autofeather	OFF	PM
Aux/PTU/Stby Pumps	OFF NORMAL	PM
Engine Temps/Press	CHECK	PM
Ice Protection	AS REQ'D	PM
Cabin Temp/Press	CHECK	PM

CRUISE

Altimeters	_____ SET /CROSSCHECK	CR
Power	SET	PM
Seat Belts Sign	AS REQ'D	PM
Lights	AS REQ'D	PM
Cabin Pressure	CHECK	PM
24-Hr Ice Protection Test	AS REQ'D	PM

IMMEDIATE RETURN

Autofeather	OFF
Speed Bugs/MDA	SET
Taxi Lights	OFF
GPWS Landing Flap	Selected

CR: Crew, C: Captain, F: First Officer, PM: Pilot Monitoring

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DESCENT

Altimeters	_____ SET /CROSSCHECK	CR
Fuel Balance	CHECK	PM
Pressurization	SET	PM
Cabin PA	COMPLETE	PM

APPROACH

Altimeters	_____ SET /CROSSCHECK	CR
Approach & Landing Brief	COMPLETE	CR
Bugs	SET	CR
GPWS Landing Flap	SELECTED _____°	PM
Fuel Transfer	OFF	PM
Hyd Press/Qty	CHECK	PM
Caution/Warning Lights	CHECK	PM
Seat Belts Sign	ON	PM
External Lights	ON	PM

BEFORE LANDING

Bleeds	MIN/ON	PM
Aux/PTU/Stby Pumps	ON	PM
F/A Notification	COMPLETE	PM
Landing Gear	DOWN/3 GREEN	CR
Flaps	_____° SET / INDICATING	CR
Condition Levers	MAX	CR

24-HOUR SYSTEM CHECKS

Autofeather	TEST	C
Fire Detection	TEST	C
APU	TEST	C
Baggage Smoke Wrng Aft & Fwd	TEST	C
Stall Warning 1 & 2	TEST	C
ADC 1 & 2	TEST	C
Ice Protection	TEST	C

RUDDER ACTUATOR ..... TEST
(REF. Ops Bulletin Q400CFM-08-14)

AFTER LANDING

Radar	STBY	F
Transponder/TCAS	AS REQ'D	F
Flaps	0°	F
Control Lock	ON	F
Tank Aux Pumps 1 & 2	OFF	F
Yaw Damper	OFF	F
Flight/Taxi	TAXI	F
Anti Collision Lights	RED	F
Lights	AS REQ'D	F
Main Bus Tie	TIE	F
APU	AS REQ'D	F

PARKING

Taxi Light	OFF	C
Emerg Brake	ON	C
Stby Hyd Press & PTU Cntrl	NORM	C
Power Levers	DISC	C
Condition Levers	START/FEATHER	C
Seat Belts Sign	OFF	C
Radar	OFF	C
Nose Steering	OFF	C
Transponder	STBY	C
Bleeds	MIN/OFF	C
Ext Pwr/APU	AS REQ'D	C
Condition Levers (30 Sec)	FUEL OFF	C
Lights	AS REQ'D	C
Emergency Lights	OFF	C
Stby/Aux/Main Batteries	AS REQ'D	C
Battery Master	AS REQ'D	C

SECURING

Recirc Fan	OFF	F
Emergency Lights	OFF	F
Anti-Skid	OFF	F
Airframe Mode Select	OFF	F
Engine Intake Bypass Doors	CLOSED	F
Lights	OFF	F
FMS & Displays	OFF	F
Ext Power/APU	OFF	F
Stby/Aux/Main Batteries	OFF	F
Battery Master	OFF	F

FAA Approved

Douglas J. Lundgren, POI, FSDO EA27

Effective Date

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