



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

October 1, 2014

Attachment 9 – A320 Aural Indicators

OPERATIONAL FACTORS

DCA14MA081

Source: USAirways A320 TM, 10.1.4 Electronic Centralized Aircraft Monitoring (ECAM).

Aural Indicators.

WARNING SIGNAL	CONDITION	DURATION	SILENCING ¹
CONTINUOUS REPETITIVE CHIME	RED WARNINGS	PERMANENT	Depress ¹ MASTER WARN It
SINGLE CHIME	AMBER CAUTION	1/2 second	
CAVALRY CHARGE ²	A/P DISCONNECTION BY TAKE OVER pb	1.5 seconds	Second push on TAKE OVER pb
	A/P DISCONNECTION DUE TO FAILURE	PERMANENT	Depress MASTER WARN It or TAKE OVER pb
CLICK	LANDING CAPABILITY CHANGE	1/2 second (3 pulses)	NIL
Triple CLICK (enhance aircraft)	Landing capability downgrade or "GPS PRIMARY LOST" in approach, or mode reversion.	1/2 second (3 pulses)	
CRICKET + "STALL" message (synthetic voice)	STALL	PERMANENT	NIL
BUZZER	CABIN CALL	3 seconds	NIL
	EMER CABIN CALL	3 seconds REPEATED 3 TIMES	NIL
	MECH CALL ³	As long as outside pb pressed	NIL
CONTINUOUS BUZZER ³	SELCAL CALL	PERMANENT	Depress RESET key on ACP
C CHORD	ALTITUDE ALERT	1.5 seconds or PERMANENT	new ALTITUDE selection or depress MASTER WARN pb
AUTO CALL OUT (synthetic voice)	HEIGHT ANNOUNCEMENT BELOW 2,500'	PERMANENT	NIL

- ¹ Cancel any aural warning by pressing:
 - the EMER CANC pb on the ECP,
 - the MASTER WARN pb except for OVERSPEED or L/G NOT DOWN warnings.
- ² Pushing the MASTER WARN pb for a autopilot disconnection warning, only inhibits the Cavalry Charge
- ³ Cancel the continuous buzzer by pressing the MASTER CAUT pb.

Aural Indicators (cont'd.)

WARNING SIGNAL	CONDITION	DURATION	SILENCING ¹
"WINDSHEAR" (synthetic voice)	WINDSHEAR	REPEATED 3 TIMES	NIL
"GO AROUND WINDSHEAR AHEAD" (synthetic voice)	Windshear ahead detected during the landing phase	PERMANENT	NIL
"WINDSHEAR AHEAD" (twice) (synthetic voice)	Windshear ahead detected during the takeoff phase	PERMANENT	NIL
"MONITOR RADAR DISPLAY" (synthetic voice)	Windshear ahead detected caution message	PERMANENT	NIL
GROUND PROXIMITY WARNING (synthetic voice)	(See EGPWS)	PERMANENT	NIL
"PRIORITY LEFT" "PRIORITY RIGHT" (synthetic voice)	A/P TAKE OVER pb	1 second	NIL
RETARD (synthetic voice)	THRUST LEVER NOT IN IDLE POSITION FOR LANDING	PERMANENT	THRUST LEVER
TCAS (synthetic voice)	(See TCAS)	PERMANENT	NIL
"SPEED, SPEED, SPEED" (synthetic voice)	Current thrust is not sufficient to recover a positive flight through pitch control	Every 5 seconds until thrust is increased	THRUST LEVER(s)
"DUAL INPUT" (synthetic voice)	Both side sticks are moved simultaneously	Every 5 seconds	One side stick deactivated
"PITCH, PITCH" (synthetic voice) (advanced aircraft)	Aircraft pitch attitude becomes excessive during flare and landing.	one time	NIL

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- the EMER CANC pb on the ECP,
 - the MASTER WARN pb except for OVERSPEED or L/G NOT DOWN warnings.