



FLIGHT DECK VIBRATION EVENT LOG

To assist in the resolution of any vibration observed in the flight deck or in the cabin, please complete the following:

Date: _____ Aircraft: _____ Model: _____ T/O Gross Wt. _____

Flight condition at approximate onset: (please check applicable box)

T/O Roll ☐ Climb (<3,000 ft.) ☐ Climb ☐ Cruise ☐ Hold ☐ Descent ☐ Landing ☐

Altitude: _____ Airspeed: _____ Mach: _____ Autopilot: On ☐ / Off ☐

Eng. #1: _____ % N1 _____ % N2 _____ % N3 Eng. #2: _____ % N1 _____ % N2 _____ % N3 Eng. Vib: _____ #1 _____ #2

What event, if any, initiated the vibration? _____

What event, if any, caused the vibration to stop? _____

Was the vibration continuous or intermittent? Continuous ☐ Intermittent ☐

Did the vibration increase, decrease, change, or stop when one or both of the throttle levers was repositioned?
Explain _____

Was an attempt made to isolate the source of the vibration? (i.e. Packs ON/OFF, Yaw Damper ON/OFF, etc.) If yes, please explain what was done and the results:

How does the vibration start and stop? Starts/Stop Suddenly ☐ Starts/Stops Slowly ☐

What is the magnitude of the vibration? Barely Perceptible ☐ Clearly Noticeable ☐ Annoying Uncomfortable ☐

Was the vibration noticeable in the cabin? _____ If yes, where? _____

What are the characteristics of the vibration: (please check one)

☐ Low Frequency: Motion can be felt by the whole body. Motion of sun visors or window heater cable may be noticeable.

Direction: Mostly Lateral ☐ Mostly Vertical ☐ Vertical and Lateral ☐

☐ Higher Frequency: Vibration that can be felt with hands or feet.

APPLICABLE FOR 737 NEXT GENERATION AIRCRAFT ONLY:

An **Elevator Tab Limit Cycle Oscillation (LCO)** event has been identified as a strong vibration in the aft Galley. This vibration is associated with an audible rumble, originating from the aft Fuselage area, attenuating in intensity as one moves forward. Typically, onset of this phenomena has been between 10,000 and 25,000 feet and above 275 knots airspeed. Once outside of this envelope, a LCO will subside.

When was the aircraft last deiced? _____

Type of deicing / Anti-icing fluid used? _____

When were the Elevator Tabs last cleaned? _____

Describe the location(s) where the vibration is felt: (i.e. floor, rudder pedal or control column)

If there was noise associated with the vibrations, describe the character of the noise. (i.e. moan, drone, buzz, whine, whistle)

Additional description of vibration / noise or other observations:

FORWARD COMPLETED FORM TO:

**Systems Engineering - HQJSM
ESC Engineering - HQJEE**