

Wind shear indication

IFALPA strongly supports the installation of a wind shear detection, warning and guidance system in commercial transport aircraft.

Subject to design limitations, such system should:

- ▶ operate in both negative and positive performance wind shear conditions.
- ▶ incorporate both a reactive and predictive component.
- ▶ provide both aural and visual information on encountered wind shear conditions.
- ▶ provide windshear indication during the take-off roll, and both windshear indication and recovery/escape guidance when airborne.
- ▶ include two levels of indication, as a function of the magnitude of the encountered wind shear: “Cautionary” and “Warning”. The triggering thresholds should take into account the performance capabilities of the aircraft, based on its actual inertia characteristics, measured conditions and aircraft configuration.
- ▶ be integrated with other critical components to ensure warning prioritization.

Flight crews should be fully trained in the use of the system, in order to provide a timely response to its indications and guidance.