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航空组织

Ref. ES AN 470 - 0/52777

29 August 2017

**Subject:** Final Guidance on Boeing 747-8 Wake

**Action required:** Note that Boeing 747-8 wake turbulence category is "HEAVY" and

Sir/Madam,

- I have the honor to refer to your Letter 17990, dated 26 January 2017 on the subject of interim guidance on Boeing 747-8 wake turbulence aspects.
- You will recall that an expert group in the field of wake vortices from the United States Federal Aviation Administration (FAA), the European Organization for the Safety of Air Navigation (EUROCONTROL), the European Aviation Safety Agency (EASA), and the manufacturer have been undertaking flight test validation studies in accordance with its guidance. Such studies have now been completed and the expert group has submitted to ICAO its final recommendations. A safety case supporting the new wake turbulence category has also been submitted.
- The Boeing 747-8 Expert Group examined flight test and simulation data and established safety case arguments for approach, landing, departure, climb/descent and cruise operations of the Boeing 747-8 relative to wake turbulence category. In this regard, it is noted that the Boeing 747-8 is safety categorized as HEAVY. Consequently, the wake turbulence separation minima specified in the *Procedures for Air Navigation Services – Air Traffic Management* (PANS-ATM, Doc 4444) for HEAVY aircraft should be applied.
- The purpose of this letter is to inform you that the Boeing 747-8 will remain in the HEAVY wake turbulence category to be handled in accordance with provisions of the PANS-ATM, Doc 4444, appropriate for aircraft in the HEAVY category.
- All previous ICAO interim guidance on Boeing 747-8 wake turbulence aspects including use of the term "HEAVY 748" in radiotelephony is hereby withdrawn.

Accept, Sir/Madam, my assurances for my fondest consideration.

Mteshreea Rajavelli  
ICAO Regional Director  
Eastern and Southern African Office