

### **Abstract of Presentation**

This presentation provides a synopsis of the findings of Working Group 1 (WG1) on Aircraft Noise that led to the decision on new aircraft noise standards at the Fifth Meeting of the Committee on Aviation Environmental Protection (CAEP/5). The main aim of the WG1 is to keep the ICAO noise certification standards up to date and effective, whilst ensuring that certification procedures are as simple and inexpensive as is practical. In the course of this effort, the purpose of certification was re-examined. The working group developed stringency options based upon the creation and examination of the 'best practices' database of aircraft noise levels. The WG1 then selected 3 cumulative margin proposals in which compliance is demonstrated based upon sum of differences between levels and limits as prescribed in Chapter 3, Annex 16, Volume 1. Criteria for re-certification were established for potential applications by operators of in-service aircraft to demonstrate compliance with a more stringent noise standard. The Forecasting and Economic Analysis Support Group (FESG) assessed the costs and benefits of the stringency proposals. The presentation closes with the CAEP/5 recommendation on a new noise standard to be incorporated into a new Chapter 4 of Annex 16, Volume 1.

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