

Abstract of Presentation

The fifth meeting of the Committee on Aviation Environmental Protection (CAEP) was held from 8 to 17 January 2001. During the meeting the proposals related to noise were reviewed. These proposals resulted from the studies which were carried out by CAEP in the period 1998 - 2001.

The Chairman of CAEP/5 will summarize the main results and the recommendations of CAEP/5 with respect to noise, which include:

- a new noise standard which is 10 decibels lower, on a cumulative basis, than the current Chapter 3 standards in Annex 16 to the Convention on International Civil Aviation, for new aircraft design, effective 1 January 2006
- procedures for re-certification of existing aircraft meeting the new standard
- more stringent noise standards for helicopters
- publication of guidance material on land use planning
- a proposal for new take-off noise abatement procedures

After this summary of the CAEP/5 results, more detailed information will be provided in separate presentations on the following topics:

- Stringency and recertification
- Importance of a balanced approach to noise mitigation, consisting of four distinct, complementary elements: reduction of noise at source; improved land use planning and control; wider use of noise abatement procedures; and operation restrictions
- Cost-benefit analysis on noise

Gerard Bekebrede ***Chairman of CAEP/5***

Gerard Bekebrede successfully completed his study in Aerospace Engineering at Delft University Technology in 1974. He then worked at National Aerospace Laboratory NLR in the Netherlands and was involved in research projects related to the environmental aspects of aviation. The last five years of his employment at NLR, he was leader of the environmental studies department. Under his responsibility a wide range of projects related to gaseous emissions, noise exposure and noise monitoring were carried out. In 1997, he accepted the invitation to be one of the co-ordinating lead authors of the Special Report on Aviation and the Global Atmosphere which was prepared by the Intergovernmental Panel on Climate Change in the period 1997 - 1999. Since 1999, Gerard is employed at the Dutch Ministry of Transport and responsible for the co-ordination of the international environmental policy programmes related to aviation. He is CAEP member for the Netherlands, was CAEP/5 chairman and since 2001, he is chairperson of the environmental committee (ANCAT) of the European Civil Aviation Conference (ECAC).