Airliner Cabin Environment Research Overview Part 1: Health Related Topics

William F. Gale, Alumni Professor and Executive Director, Air Transportation Center of Excellence for Airliner Cabin Environment Research, Auburn University, Alabama.

This paper will present an overview of an integrated program of research and development on the airliner cabin environment, performed by the FAA-funded Air Transportation Center of Excellence (CoE) for Airliner Cabin Environment Research (ACER). Research on: cabin ozone levels; pesticide exposures in the cabin environment; cabin pressure effects on passengers and crew; air quality incidents and disease transmission in civil aviation will be discussed. Supporting research activities on contaminant transport and in-flight measurements will also be addressed. The intent of the paper is to discuss research and development activities that may have a bearing on future rule making and/or operational procedures of the relevant competent authorities. The work presented is intended to have relatively near-term impact.

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