

## CFADAGA2004/451

### Continuous evaluation of noise comfort in a bus

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The goal of this study was to use the 'continuous analog category scale' method for the evaluation of comfort in a bus. A long recording (162 s) was realised in a bus driving in a typical way (including acceleration and coast-down, opening and closing of doors, etc.). A modified version of that recording was created by digitally modifying some particular events. About fifty listeners continuously evaluated the auditory comfort of these two sequences, by moving a cursor sliding along a categorical scale; they also evaluated the overall comfort of each sequence. When considering the overall comfort evaluation, the panel could be divided in three groups (listeners who preferred the modified sound, those who preferred the original one and those who evaluated the two stimuli as equally comfortable). The continuous evaluations averaged over these three groups were different, which can be an indication that listeners really evaluated comfort and not loudness. Nevertheless, instantaneous evaluation was less accurate than the overall one, which indicates that more work is needed to improve the method.

*The complete document was not available at the publication time. It has been replaced by the submitted abstract.*