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Speech and multimedia Transmission Quality (STQ) - Speech quality performance in the presence of background noise - Part 1: Background noise simulation technique and background noise database

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**Speech and multimedia Transmission Quality (STQ);
Speech quality performance
in the presence of background noise;
Part 1: Background noise simulation technique
and background noise database**

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Foreword

This ETSI Standard (ES) has been produced by ETSI Technical Committee Speech and multimedia Transmission Quality (STQ).

The present document is part 1 of a multi-part deliverable covering Speech and multimedia Transmission Quality (STQ); Speech quality performance in the presence of background noise, as identified below:

ETSI ES 202 396-1: "Background noise simulation technique and background noise database";

ETSI EG 202 396-2: "Background noise transmission - Network simulation - Subjective test database and results";

ETSI EG 202 396-3: "Background noise transmission - Objective test methods".

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Introduction

Background noise is present in most of the conversations today. Background noise may impact the speech communication performance to terminal and network equipment significantly. Therefore testing and optimization of such equipment is necessary using realistic background noises. Furthermore reproducible conditions for the tests are required which can be guaranteed only under lab type condition.