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## Speech and multimedia Transmission Quality (STQ); Throughput Measurement Guidelines

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# Foreword

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

# Introduction

The main purpose of the present document is to help the reader understand and differentiate between various throughput definitions and calculation methods described in the TS 102 250 series and technical reports produced by STQ.

This guide describes the different aspects (e.g. protocol-specific, measurement-environmental, statistical) which should be considered during planning, execution and evaluation of throughput measurements in order to avoid the major problems which can occur.

TS 102 250-2 [i.2] standardizes throughput QoS parameters for popular IP based services used in mobile networks from the user's point of view. Based on these definitions TS 102 250-7 [i.6] defines a model for network quality. Finally, TR 102 678 [i.8] introduces a new method of throughput calculation based on fixed data transfer times.