**Draft New Recommendation ITU-T Y.1545.2**

**QoS metrics for continuity-of-performance of packet data based services**

**Summary**

The present document defines spatially resolved metrics for packet-data based services and a methodology for their computation, using the same conceptual framework as Recommendation ITU-T G.1034. The metrics are covering the QoS and QoE aspects of a wide range of applications used in motion, i.e. during travel. A taxonomy of application categories is provided, taking into account their absolute data rate requirements and, in particular, their sensitivity against temporary drops in available data rates which are caused by motion through an environment which is characterized by spatial variation of network performance, i.e. available data rate or latency. The methodology defines a way to create a description of such spatial distributions of performance, termed route profiles, and a way to use route profiles to create predictions of QoS and QoE of application usage. It also defines a new entity to describe local network performance which provides an abstraction and thereby a versatile way to express performance requirements.