

# C E R T I F I C A T E

P3 communications GmbH  
Dennewartstraße 25-27, D-52068 Aachen, Germany

hereby certifies that the mobile radio network of



**Turkcell**  
**Turkcell Plaza Meşrutiyet Cad. No. 71**  
**34430 Tepebaşı / İSTANBUL**

**provides fastest file download transfer performance  
among all 3G Mobile Operators in public areas of Ankara.**

This conclusion is based on an independent performance benchmark measurement campaign performed by P3 communications between 2010-02-14 and 2010-02-19 in Ankara as stationary test at 17 public indoor locations like shopping malls, train stations or airports chosen by P3 communications. The results refer to user experienced data transfer time needed for downloading files. Measurements have been executed in UMTS only mode with devices sold in the operators' stores at project start.<sup>1</sup>

Aachen, February 20<sup>th</sup> 2010

  
Peter Seidenberg  
(Managing Director)

<sup>1</sup> Modems used: Turkcell Huawei E182 (21 Mbit/s Download / 5.76 Mbit/s Upload); Vodafone Huawei K4505 (21 Mbit/s Download / 5.76 Mbit/s Upload); Atea ZTE MF636 (7.2 Mbit/s Download / 2 Mbit/s Upload)