NOKIA 6210

SUPPORT GUIDE FOR

SETTING UP HSCSD WITH NOKIA 6210

NOKIA

Contents

1. INTRODUCTION

Multiplying Data Rates

- **HSCSD**, High Speed Circuit Switched Data – or just High Speed Data, is the next step in GSM data development. First, the current 9.6 kbps data bit rate is upgraded to 14.4 kbps. Second, HSCSD allows multiple time slots to be used for the data connection. Thus, multiples of 14.4 kbps and 9.6 kbps can be offered, reaching data rates of 28.8 or up to 43.2 kbps.

- The **HSCSD** service is the optimal solution for file transfer and applications that require high bit rate and low transmission delay. It can be used similar to the current 9.6 kbps data applications (such as e-mail, corporate access and Internet) but at a bit rate corresponding to the landline modems.

- **HSCSD** is an add-on feature to the GSM network. HSCSD does not require additional BSS (Base Station Subsystem) capacity and does not degrade voice call quality or capacity. Based on thorough simulations, HSCSD does not increase network blocking.

- The use of GSM high-speed data services requires that your network supports **HSCSD** (High-Speed Circuit Switched Data) technology and that you have subscribed to this service.

- GSM high-speed data services may cost more than normal GSM data services. Contact your service provider for more information.

- With this **Guide** you can set different speed rates by using AT+CBST commands. Type these HSCSD commands in the Extra Settings field in the communication program or in Modem properties depending on the operating system and the device.

  First please test whether you need to start using the AT command, normally +CBST is enough.
  In Terminal programs you must always type AT+CBST.

2.   AT –COMMANDS

AT –COMMANDS FOR EACH SPEED RATE:

- +CBST=0,0,1   ; for 9.6 - 28.8 Modem
- +CBST=81,0,1   ; for 9.6 - 42.3 ISDN V.110
- +CBST=51,0,1   ; for 9.6 - 42.3 ISDN V.120

Network connection speeds may vary between minimum and maximum speed rates.

This depends amongst other things on e.g. the network's capacity.

Please contact your operator.