

If you want to tell about GSM networks...

- What are the elements in GSM networks? •
- How are the different elements connected together? •
- What is signalling, protocols and messages on different protocol layers? •
- What happens when you make a call or send an SMS-message? •

...without a real network



Monitoring PC 1

GSM Trainer features

- MSS PC controls the BSS PC over TCP/IP •
- Real GSM A-interface (2 Mbit/s PCM) ٠
- Basic functions of the GSM network can be executed •
- Establish a call (MS MS, MS PSTN, PSTN MS) ٠
- Call with speech •
- Signalling of several simultaneous calls + one call with speech •
- Release a call •
- Sending and monitoring of SMS messages •
- Full GSM signalling monitoring- all protocol layers and messages •
- Monitoring the signalling with several simultaneous PC's in real-time •
- Postprocessing of the signalling in offline mode •
- The signalling can be printed and saved to a file •
- Windows help files for signalling protocols and information elements •
- Free licence for monitoring software •
- Only the PC's as the platform -without real network elements •
- Easy to use Windows environment •
- Ready to use after installation (no programming) •

The Product Package Consists of:



- Two sets of NPC cards for the PCMCIA type III slot •
- NetHawk simulation software for emulating the functionality of Mobile • Switching Center (MSC)
- NetHawk simulation software for emulating the functionality of Base • Station Subsystem (BSS) and the Mobile Subscribers (MS)
- NetHawk monitoring software for monitoring the signalling between MSC and BSS •
- Two handsets for actual calls •
- Cables for connecting the NPC cards (G.703 interface) •

Please Contact:

