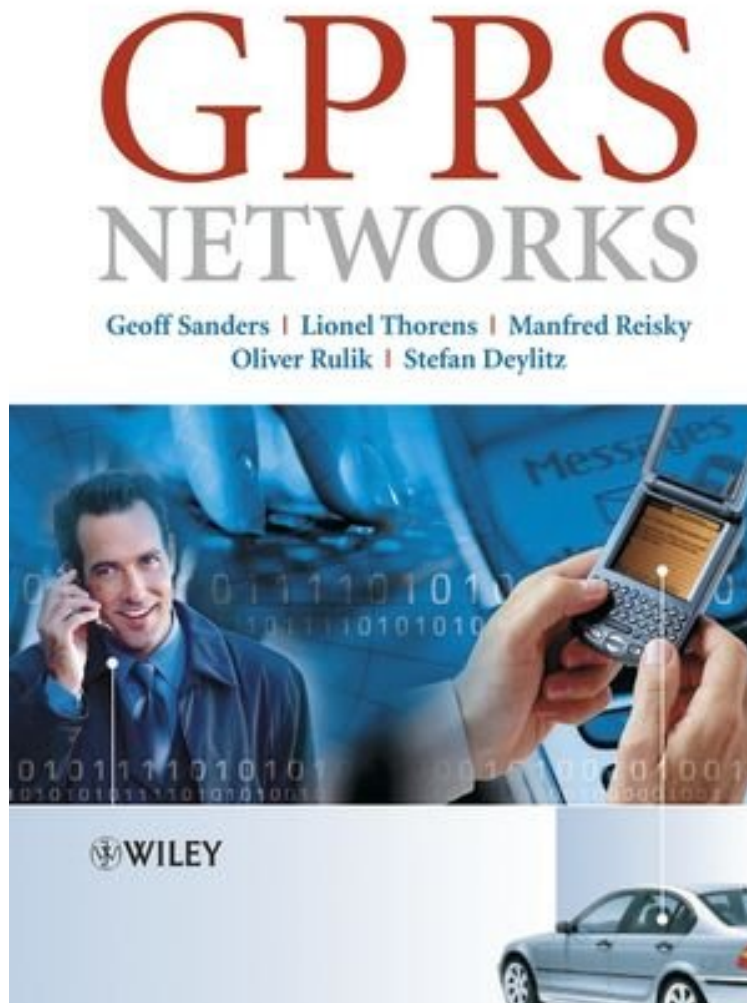


(Download) GPRS Networks

## GPRS Networks

*Geoff Sanders, Lionel Thorens, Manfred Reisky, Oliver Rulik, Stefan Deylitz*  
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**Geoff Sanders, Lionel Thorens, Manfred Reisky, Oliver Rulik, Stefan Deylitz : GPRS Networks** before purchasing it in order to gage whether or not it would be worth my time, and all praised GPRS Networks:

0 of 1 people found the following review helpful. Nice bookBy Jun PanNot just a collection of information like some other books. Writers apparently have GPRS network management experience. Some analysis and explanation found to be very helpful.

GPRS is a packet based wireless communication service that offers data rates from 9.05 up to 171.2 Kbps and

continuous connection to the Internet for mobile phone and computer users. GPRS is based on GSM communications and complements existing services such as circuit switched cellular phone connections and the Short Message Service (SMS). GPRS represents the bridge between 2G and 3G mobile telecommunications and is commonly referred to as 2.5G. Implementation of GPRS requires modification of the existing GSM networks in that GSM is a circuit switched technology while GPRS is packet oriented. GPRS enables packet data (the same as is used by an Ethernet LAN, WAN or the Internet) to be sent to and from a mobile station - e.g. mobile phone, PDA or Laptop. WAP and SMS can also be sent using GPRS and individuals working with GPRS need to learn and understand how the mobile stations, the air interface, network architecture, protocol structures and signalling procedures must be modified. GPRS offers much higher data rates than GSM and can be combined with 3G technologies such as EDGE to give even higher bit-rates. It offers many benefits for customers and network operators: such as volume (rather than time) dependent billing and more efficient use of network resources. Due to the worldwide delay in implementing 3G solutions such as CDMA and UMTS the demand for GPRS is still growing. GPRS Networks: Offers detailed information ranging from standards to practical implementation Answers 'how' and 'why' rather than just simply re-stating GPRS specifications Provides comprehensive coverage in a single volume Essential reading for all telecommunications project managers, field engineers, technical staff in network operator and manufacturing organisations, GPRS application and service developers, Datacoms/IT engineers. The comprehensive coverage also makes this a superb reference for students of computer science, telecommunications and electrical engineering.

"a good introduction to GPRS" (IEE Communications Engineer, February 2004) From the Back Cover GPRS is principally an overlay network for existing GSM networks which enables all the benefits of packet switched networks to be available to mobile devices. Due to the delay in 3G rollout, operators worldwide are increasingly implementing services based on GPRS, once seen by many as simply a stepping-stone between GSM and UMTS. If you are looking for an in-depth introduction to the General Packet Radio Service and need to understand the benefits of adding GPRS to conventional circuit switched mobile networks then this is the book for you. Takes the reader into the near future - in which 3G networks such as UMTS will use the GPRS core network for access to packet data networks such as the internet Tackles crucial issues such as the current transition from IP version 4 to IP version 6 a move which will enable every electronic device to have its own IP address rather than the dynamic address allocation currently in use Provides insights into the planning and dimensioning of GPRS networks - involving mathematical modelling and accurate knowledge/assumptions regarding subscriber behaviour Explains how the technology can enable new services and applications - WAP, location based services, in-car multimedia, and m-Commerce are just some of the areas described each with a description of the necessary infrastructure and the benefits of using GPRS as the enabling technology GPRS Networks provides a thorough grounding in GPRS by constantly explaining how? and why?. This practical handbook will be an essential purchase for all those involved in telecommunications from network planners and engineers through to project managers, consultants and students. GPRS will continue to change the way we live, just as GSM has already - if you dont want to be left behind, read this book! About the Author The primary market for the book are leaders, professionals, HR departments, organizational communicators, consultants, managers, business schools, change agents, organizations, schools, communities, churches, associations, families.