



# Saab Grintek



## TRAINING SERVICES

### INTRODUCTION

Saab Grintek Technologies (SGT) has a proud reputation spanning more than 15 years of professional service to the telecommunications industry in South Africa and clients elsewhere in Africa.

SGT offers focused and specialised training to telecommunications operators from its base in Centurion, South Africa. Its comprehensive courses in several disciplines are in the process of being accredited by the relevant South African authorities and conform to the highest international standards.

The company's modern fully air-conditioned training facilities are designed for a pleasant learning environment, with provision for theoretical and practical training. With the latest in classroom based computer technologies and a fully functional laboratory for hands-on training, the SGT training facility caters for a ratio of 2:1 student-to-lab equipment. The on-site laboratory is further complemented with a virtual laboratory, which is particularly useful for off-site training.

### WHO BENEFITS?

All operators, suppliers and service providers in the telecommunications industry in Africa will benefit from SGT's training, as well as managers who want to become more familiar with the environment in which they work.

### TRAINING PHILOSOPHY

SGT's training is focused on all telecommunications operators in South Africa and the African continent as a whole.

We offer courses in Wireline and Wireless telecommunications technologies on Standards, Protocols and Applications which are fully generic training on open standards for current and legacy technologies. Therefore, our training is not specific to the products of any one or more original equipment manufacturers (OEM).

Besides internal training for Saab Grintek Technologies, we aim to develop courses to be provided over the Internet.

### PARTNERS

With an eye on optimising training choices for students, SGT has concluded partnerships with several well-established South African tertiary institutions and renowned international training providers.

### MODULES

Specific courses and a portfolio of modules have been developed to best suit the needs of our customers. SGT now offers 15 courses in the following environments:

#### Fixed Telecoms Networks and Broadcast Technologies

1. Modern Telecommunications Fundamentals (Fixed line and Wireless)
2. TCP/IP Networking
3. Hands-on Voice over IP
4. Next Generation Network Technologies: SIP, IMS, SigTRAN and IN
5. Core Network Transport Technologies
6. ISDN and SS7
7. Digital Video Broadcast for Telecoms and IT Professionals
8. Hands On Next Generation IPTV Networks.

#### Wireless Communications Technologies

1. RF Fundamentals Course
2. GSM Technologies with enhanced data capabilities
3. Code Division Multiple Access (CDMA) Technology Overview, including Wideband-CDMA and CDMA2000
4. UMTS technologies
5. Competing trends in wireless technologies, including LTE, WiMAX and WiFi
6. WiMAX Fixed Broadband Wireless Access (BWA)
7. Terrestrial Trunked Radio (TETRA), capacity planning and WiMAX integration.



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## SAAB GRINTEK TECHNOLOGIES



Saab Grintek Technologies (SGT) is a telecommunications company offering a comprehensive range of end-to-end services and solutions to operators, OEMs, enterprise and governments. We specialise in integrated, leading edge and comprehensive solutions across the entire spectrum of telecommunications. Our company's vision is to be the innovative systems integrator of choice for telecommunications solutions.

Utilising expertise from all our divisions, where necessary, and in conjunction with our partners, we are able to offer any combination of:

- Technology strategy and network consulting
- Wireless and wireline core and access transmission
- End-to-end turnkey network solutions from concept to deployment and support
- Managed services including partial or complete outsourcing and out-tasking of entire networks or sub-sectors
- Planning, installation, commissioning, integration and optimisation

- Programme / project management skills relevant to the industry
- Generic and specific training in telecommunications in general, as well as specialised training on equipment from respective OEMs
- Power solutions and efficiency optimisations to reduce power usage on the overall power grid

### “YOUR PARTNERSHIP TO TELECOMMUNICATIONS SUCCESS”

The company has been in the industry for over 20 years and has its headquarters in Centurion in South Africa. SGT has built up a solid reputation in the industry for delivery and consistent, measureable value add to its customers.

The company has been *ISO 9001:2000* accredited for 11 years through DEKRA and will be implementing the latest *ISO 9001:2008* accreditation and boasts industry proven processes and procedures.



[www.saabgrintek.com/training](http://www.saabgrintek.com/training)

#### CONTACT

Get your Telecommunications training now by contacting Saab Grintek Training Services on: [training@grintek.com](mailto:training@grintek.com) or telephone: +27 (0)12 672 8484