



Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

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Contact us: (888) 88-SOURCE | sales@artisanng.com | www.artisanng.com

→ Test Equipment

Equipment

Test



ORGA
test systems

TESTABILITY FROM ORGA TEST SYSTEMS LET'S TEST IT ALL

Testability with ORGA Test Systems means testing (U)SIM interfaces across the entire product development and production chain – from the very first technological spark of an idea for a new product “mobile phone” all the way through to rollout.

ORGA Test Systems offers world-class solutions in all four areas of the product development and production chain:

→ **DEVELOPMENT TESTING**

R&D is the first stage for any new product, and the solutions offered by ORGA Test Systems ensure that all critical elements are properly tested – from the very outset.

→ **CONFORMANCE TESTING**

Of particular interest to handset vendors who want to ensure that type approval is obtained first time, every time.

→ **INTEROPERABILITY TESTING**

Do components interact properly? Is the communication complete? How to improve component cooperation? That's what interoperability testing aims to find out.

→ **MANUFACTURING TESTING**

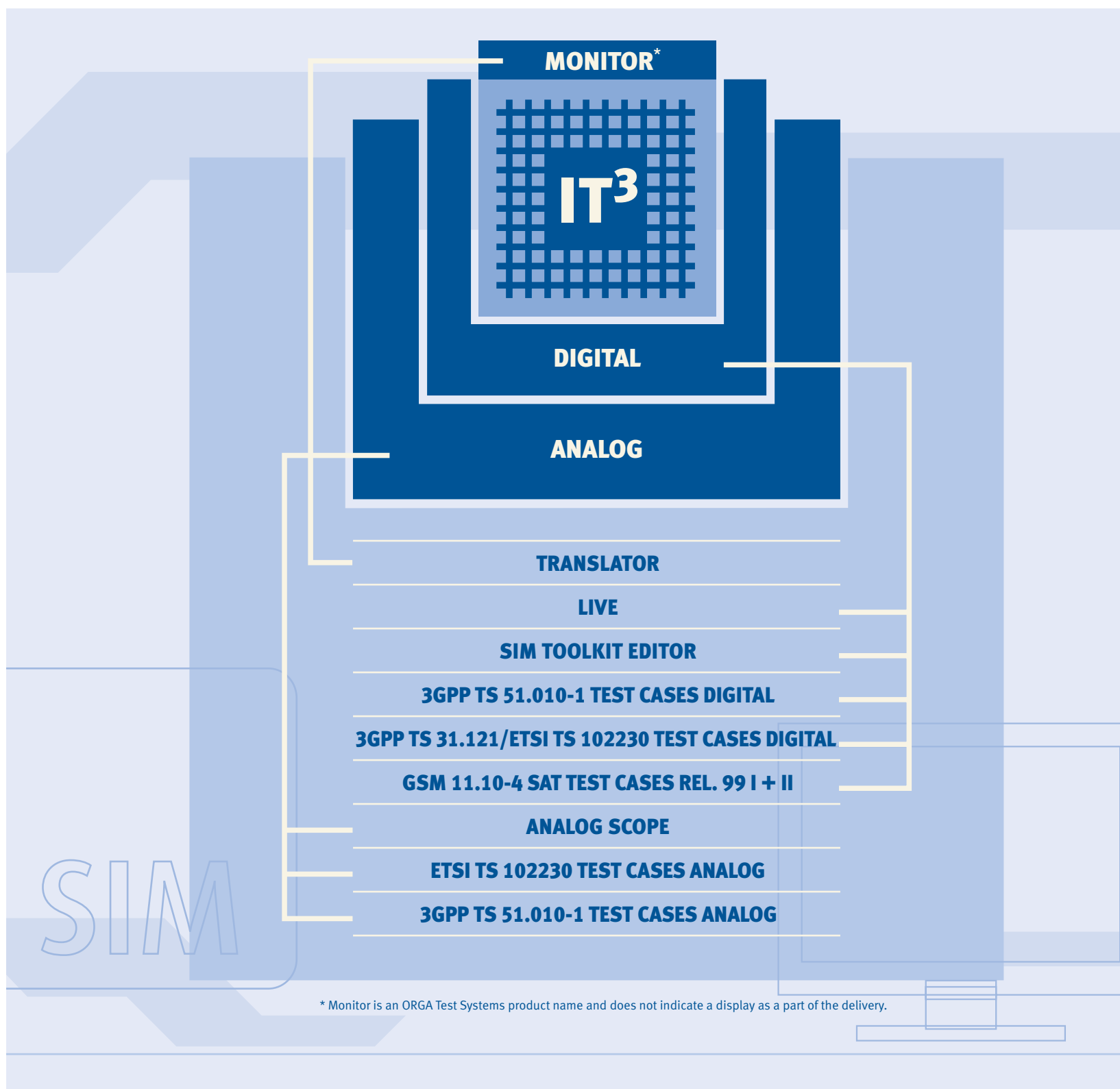
For handset vendors and production sites, a quick operating test for product rollout testing.

WELL TESTED IN ALL AREAS

ORGA Test Systems' products are the only SIM/USIM interface test equipment based on ETSI/3GPP standards with GCF and PTCRB validated test cases. We know what the standards demand – and our test systems ensure that your products conform.

ORGA Test Systems' products have been successfully used by leading handset vendors and test labs all over the world for the past 10 years. Our proximity to the market means we know what our customers want and need – and that's exactly what we offer. Successful, reliable, conformant, tried-and-trusted test solutions. Testability.

THE PLATFORM ARCHITECTURE



TESTABILITY ACROSS THE BOARD

	THE GOAL	THE PARTICIPANTS	THE APPROACH	THE USERS' REQUIREMENTS
DEVELOPMENT TESTING	<ul style="list-style-type: none"> → Early discovery of weak points in hardware and software 	<ul style="list-style-type: none"> → Handset vendors/ development sites → Handset component suppliers 	<ul style="list-style-type: none"> → Testing before and during prototyping according to ETSI/3GPP standards → Software implementation testing → Pre-conformance testing 	<ul style="list-style-type: none"> → Flexible test equipment → Intuitive GUI → Identical equipment as used during type approval → Analog and digital test equipment → Local support
CONFORMANCE TESTING	<ul style="list-style-type: none"> → Achieving type approval 	<ul style="list-style-type: none"> → Test labs → Handset vendors/ quality management sites → Network operators 	<ul style="list-style-type: none"> → Using test tools equipped with test schemes validated by GCF and PTCRB 	<ul style="list-style-type: none"> → Validated test equipment → Reliable system → Intuitive GUI
INTEROPERABILITY TESTING	<ul style="list-style-type: none"> → Ensuring the correct interoperability between two or more components of the "mobile communication" product 	<ul style="list-style-type: none"> → Handset vendors → GSM and 3G network operators → Software houses → Service providers → Smart card vendors 	<ul style="list-style-type: none"> → Investigating activities between the different technology components → Analysing any problems that may occur in lab environment as well as in real network test 	<ul style="list-style-type: none"> → Monitoring of events → Investigating and measuring the interaction → Easy information exchange → Intuitive GUI
MANUFACTURING TESTING	<ul style="list-style-type: none"> → Product rollout testing 	<ul style="list-style-type: none"> → Handset vendors/ production sites → Handset Repair companies 	<ul style="list-style-type: none"> → Random sample test 	<ul style="list-style-type: none"> → Quick operating test

FUNCTIONS

- Monitoring of transmission protocol between ME and SIM (logical, APDU and application level)
- Comprehensive logical simulation of a smart card
- Adjustment of T=0 and T=1 protocol parameters
- Error simulation
- Adjustment of analog electrical signal parameters
- GSM SIM simulation and 3GPP UICC/USIM simulation
- Support of 1.8 V smart card simulation
- Full support of SIM Application Toolkit
- Testing in live network
- Analog Scope

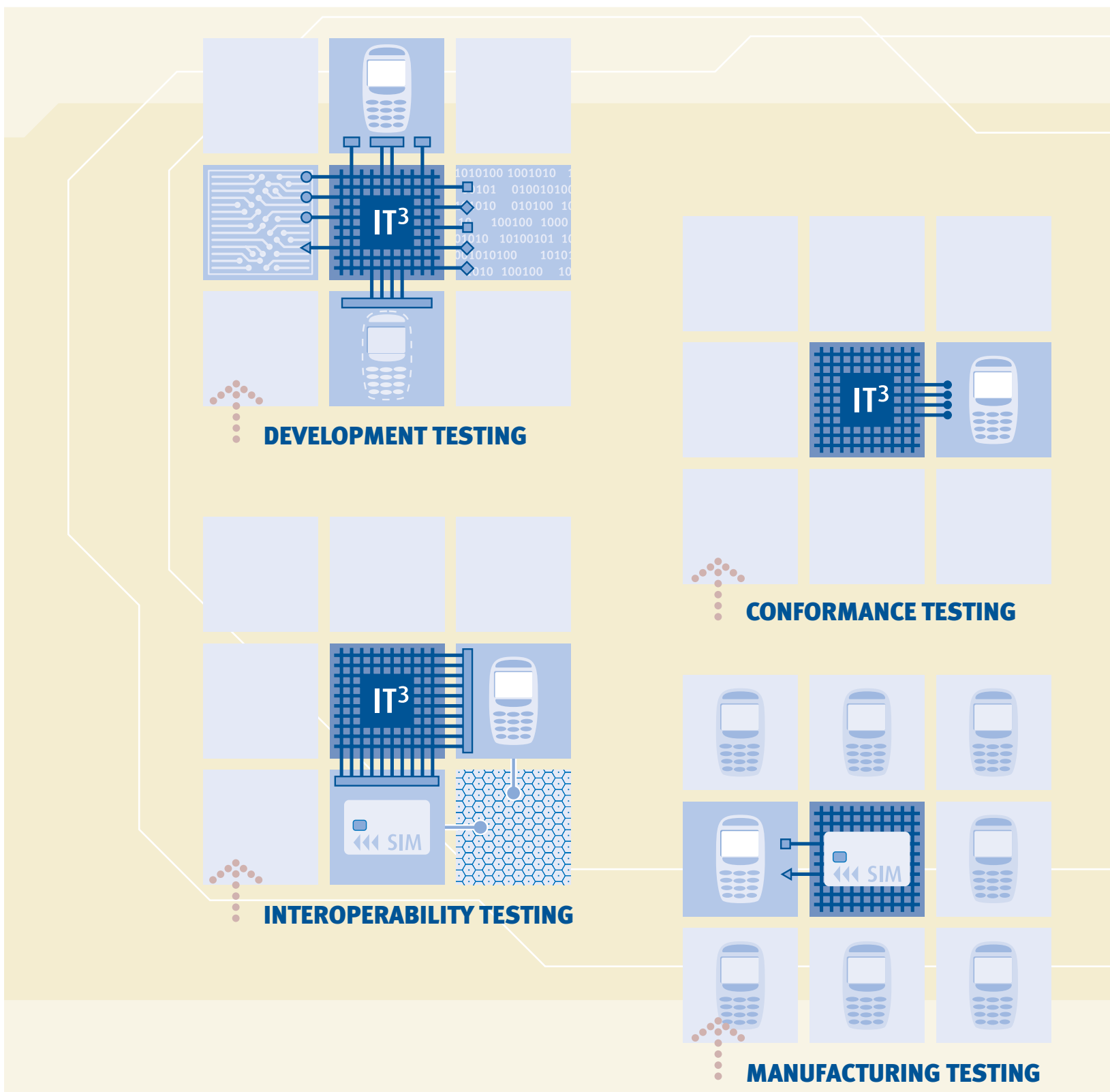
- Monitoring of transmission protocol between ME and SIM (logical, APDU and application level)
- Complete integration of test scenarios for protocol, application and electrical testing for GSM and 3G terminals
- Validated SIM, UICC/USIM and SIM Application Toolkit test cases
- Test automation through batch processing and remote control interface
- Official test tool for GCF and PTCRB type approval testing
- Validated by an independent test house
- Automatic test report created

- Monitoring of transmission protocol between ME and SIM (logical, APDU and application level)
- Support of 1.8 V smart card interface
- Translation and graphical visualisation of GSM, 3GPP and CDMA2000 applications
- Translation and graphical visualisation of SIM Application Toolkit + USIM Application Toolkit
- Long recording times up to many hours
- Terminal and smart card not influenced during monitoring
- Programmable filters to localise malfunctions at terminal or smart card
- Platform and translators developed according to ETSI Standards and validated by an independent test house

- Test (U)SIM with XOR

GSM UMTS/W-CDMA CDMA

TESTABILITY FROM
ORGA TEST SYSTEMS
LET'S TEST IT ALL



WELL TRAINED IN ALL AREAS

Training is a key requirement in any field, so of course it forms part of our installation package. Whenever, wherever you buy our product we offer customised training – at your site or in our head office. Participants in our training sessions find that prior basic knowledge of GSM and/or 3G technology is beneficial. If you need basic technology education in addition to our specialist, product-based training our team of trainers would be happy to help.

PRODUCT TRAINING	DURATION*	PARTICIPANTS
IT ³ Monitor	½ day	Quality engineers, USIM/SIM qualification engineers
IT ³ Digital simulator	1½ days	Baseband developers, USIM/SIM interface developers
SAT Editor	½ day	Technicians, software developers
IT ³ Analog simulator	½ day	Hardware developers, conformance engineers

Our training sessions comprise both dialogue and workshop elements. Individual agendas can be prepared according to the participant's own personal experience level. All participants are provided with training notes as a printout and/or a CD. All training sessions are prepared and planned directly together with the participant's personal trainer.

TECHNICAL CONTACT	SALES CONTACT
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* Stated duration is for a single training session. This may need to be adjusted depending on the participant's prior knowledge and any combination with other IT³ training sessions.

WELL SERVED IN ALL AREAS

To ensure continued high performance, IT³ equipment must be calibrated regularly. At ORGA Test Systems, we offer an annual calibration service in our own laboratory, with all equipment serviced by our own team of professional technicians. Of course we are always happy to add new functionalities to your system – another service offered at our production facility by our technicians.

Fixed contracts include the following service and maintenance elements:

SERVICE AND MAINTENANCE IN A FIXED CONTRACT

Annual calibration	→ annual maintenance, no additional costs
Replacement system service	→ 365 days availability
Extended repair service	→ no additional costs
Replacement system service	→ availability during calibration
Hotline	→ quick problem solving
Support web site	→ knowledge base, download service

1st level local support is offered by our facilities Europe, Asia and North America.

1ST LEVEL LOCAL SUPPORT

Europe	→ Paderborn, Germany → Houthalen, Belgium → Newbury, UK
Asia	→ Singapore → Beijing, PR. China → Hong Kong → Tokyo, Japan → Seoul, Korea
North America	→ Irvine Ca, US → Paoli Pa, US

**FURTHER PRODUCT INFORMATION FROM
ORGA TEST SYSTEMS**

- Test (U)SIMs
- Accessories

**YOU WILL ALWAYS REACH US AT
WWW.ORG-TEST.COM**

Editorial

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