

UNITEC and RUETZ System Solutions

A great cooperation for compliance testing in Japan

7th MOST Interconnectivity Conference Japan

November 8th, 2006

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<http://www.unitec-ccs.co.jp>

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Outline - UNITEC in MOST -

- ◆ MOST product developments for a Tier-1 supplier in Japan since the end of 2000

Our MOST Platform has been integrated into their products and installed in several European car models for Japan

- ◆ Provide a wide range of services from prototype developments to system verification and consulting

- ◆ 2nd Generation MOST Technologies

INIC, MediaLB, ePhy@50MHz, ...

- ◆ A partner and the sole representative of RUETZ System Solutions GmbH : Since October 2006

Outline - RUETZ System Solutions in MOST -

- ◆ MOST Compliance Testing (Accredited MCTH)
Physical(opt-Limited/ele), Core, Profile Compliance
- ◆ Consulting
Strategy, System Integration, Verification & Testing
- ◆ Training - SMSC MOST Partners (SMP)
MOST Foundation, MOST NetServices V2, MOST INIC Intensive
- ◆ Test Tools - TesterLyzer Family
TesterLyzer CCS, TesterLyzer TTsuite-MOST,
TesterLyzer Box, TesterLyzer Rack, MDL



1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007

RUETZ

Test and Measurement Systems

Member of MOST Compliance Technical Group

MOST Compliance Test House ◆

MOST Test Laboratory DIN EN ISO 17025 ◆

Qualification and Training for MOST

RUETZ System Solutions

UNITEC

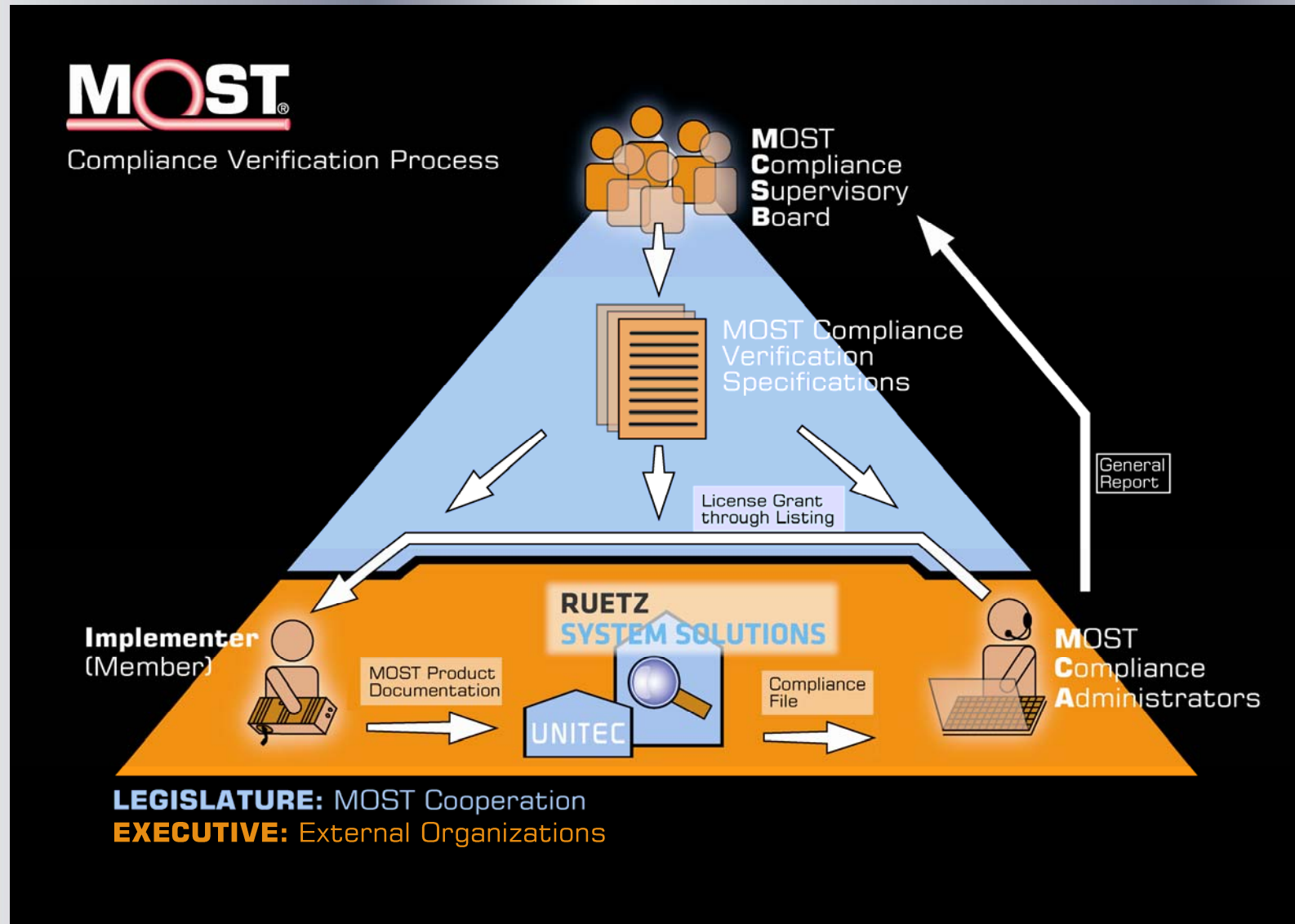
Prototyping & Product Development, Customer Support & Consulting

1st MCTH in Japan in cooperation with RUETZ

Compliance Testing Services

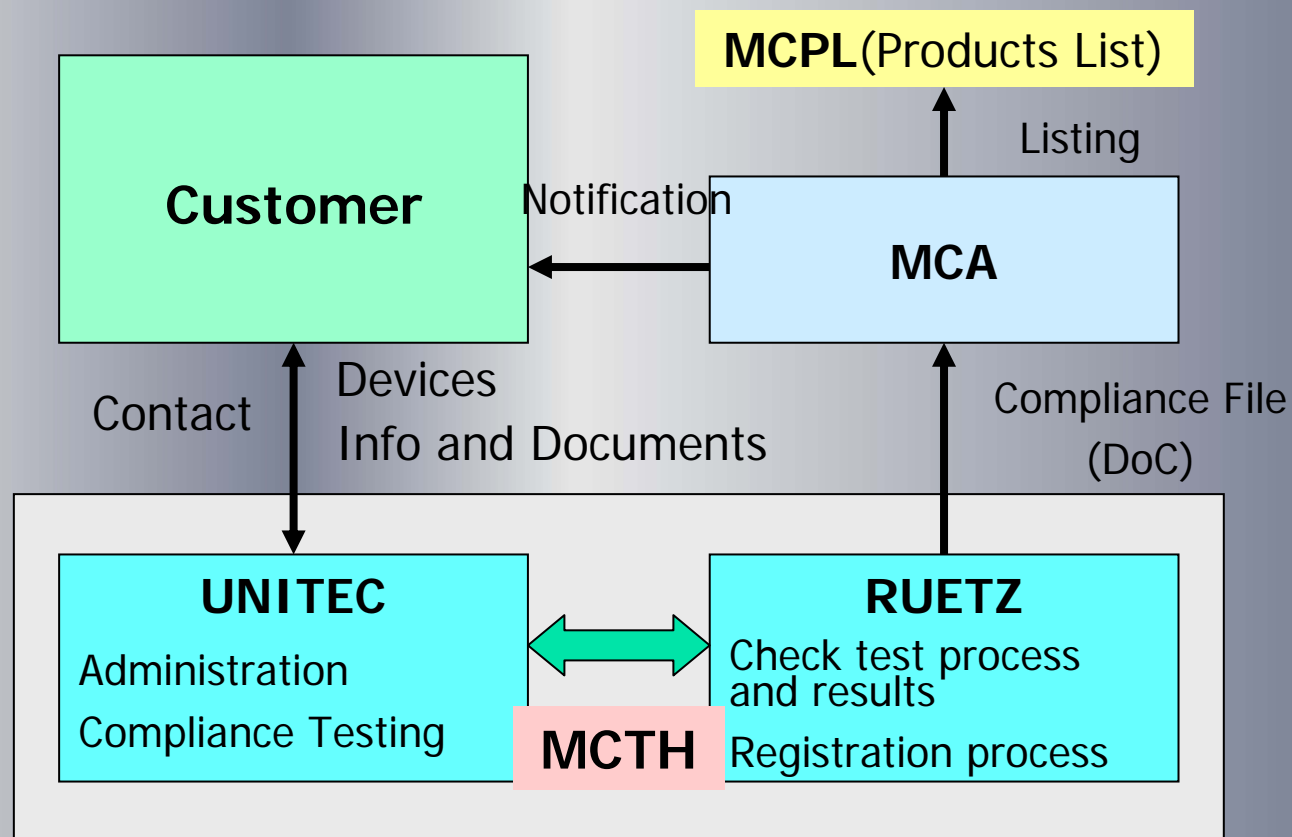
- ◆ Official Compliance Test
 - Physical Compliance (ePhy / Limited oPhy)
 - Core Compliance
 - Profile Compliance
- ◆ In-house Test Lab will be available, equipped with RUETZ's test tools and qualified process
 - RUETZ's ext. test-lab in Japan according to ISO17025
- ◆ UNITEC takes all contact and support for customers in Japan

We will offer you reliable testing nearby !








Compliance Testing Services

- ◆ Process flow between each party



Compliance Testing Services

Category	Availability	Planned date at UNITEC	Notes
ePhy		07.1 - : Pre-Testing 07.1 - : Official	Early implementation rules applied to ePhy
oPhy - Full		<i>Under planning</i>	<i>Not accredited for RUETZ Planning for near future</i>
oPhy - Limited		07.3 - : Pre-Testing 07.6 - : Official	Official testing will be available at UNITEC in 07.Q2
Core (o/e)		07.1 - : Pre-Testing 07.6 - : Official	Official testing will be available at UNITEC in 07.Q2
Profile		07.3 - : Pre-Testing 07.6 - : Official	Official testing will be available at UNITEC in 07.Q2

Solution Services

- ◆ Providing a wide range of services - development, testing, verification and consulting
- ◆ Offering the best solution to customers based on the comprehensive expertise and experience of UNITEC and RUETZ
- ◆ Pre-testing and analyzing for early development step
- ◆ Design services and prototype developments
- ◆ Training programs are planned for near future

Total solution can be offered !

Products

TESTERLYZER

◆ TesterLyzer CCS - Core Compliance Test System

- Full automated testing according to Core Compliance Test Specification
- Easy to use with GUI and logging



◆ TesterLyzer TTsuite-MOST

- Complete tester for Profile Compliance and MOST applications - FBlocks
- Graphical TTCN-3 test definition (GFT) and automated testing / tracing

Products

TESTERLYZER®

◆ TesterLyzer Rack

- Configurable and universal with numerous terminals and sufficient interfaces
- For MOST, CAN, LIN and FlexRay networks as well as two power supply units equipped
- Independent of car type, model range or OEM



◆ MDL - Mobile Data Logger

- Realistic tests and logging during driving
- For MOST, CAN, LIN, FlexRay networks
- Integrated 12 volt power supply

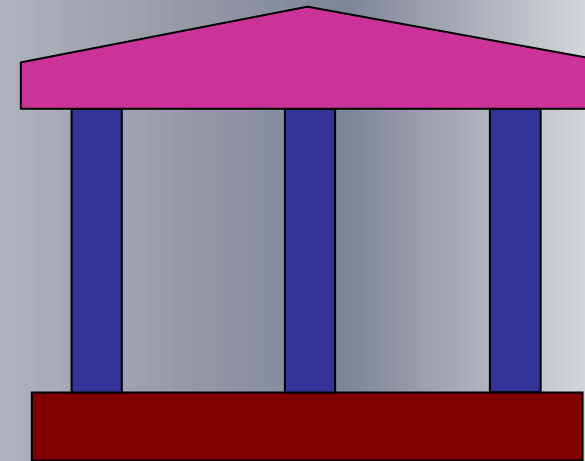
Conclusion

What our close relationship means...

- ➡ Based on the expertise and experience
- ➡ 1st MOST Compliance Test House in Japan
- ➡ Ideal tools for testing, analyzing and verification
- ➡ A wide range of consulting services

What the customer's benefit is...

- ➡ You can get the best solution and reliable testing for your MOST products at hand !





Corporate Profile - UNITEC Co.,Ltd. -

- ◆ Foundation January 2000
- ◆ Employees 29
- ◆ ISO9001:2000 Certified (Feb. 2005)
- ◆ Independent
- ◆ Development, design and manufacturing focusing on the embedded systems
 - Software, hardware, prototypes, OEM(Fabless)
 - LSI design and turn-key services: SoC/ASIC/FPGA
- ◆ Business in the automotive electronics, consumer electronics and PC peripheral products / industries



Corporate Profile - RUETZ System Solutions -

- ◆ Spun off from RUETZ Technologies, bringing its MOST division into the new company founded in Oct. 2006
- ◆ All MOST products and services have been transferred to the new company together with their expertise, human resources and top quality
- ◆ MOST Compliance Technical Group (MCTG)
- ◆ Accredited MCTH
- ◆ ISO9001, ISO17025 Certified MOST Test Laboratory
- ◆ Worldwide partners

SMSC, Testing Technologies, CANSystem, UNITEC

Thank you for your attention !

For more details please contact...

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