

# **Advanced concepts for Profile Compliance/Application Testing**

- 1. Short introduction of RUETZ SYSTEM SOLUTIONS GmbH**
- 2. Experience from the Profile Compliance projects**
- 3. Advanced Concept for Profile Compliance**
- 4. Benefits**
- 5. Conclusion**

**MOST Compliance Test House Services for Optical and Electrical MOST:**

**Limited Physical Layer Compliance**

**Core Compliance**

**Profile Compliance**

**Electrical MOST in cooperation with UNITEC Ltd. JAPAN**

**Consulting & Engineering:**

**Support for entire system integration processes**

**Development of MOST system specifications**

**Training and Workshops:**

**MOST Foundation Training**

**MOST INIC Training**

**MOST Netservices V2 Training**

**Customer Specific Workshops**

# Company Profile

## Products

# RUETZ SYSTEM SOLUTIONS

### TESTERLYZER pro Compliance :

Network Core Compliance testing  
OEM add ons



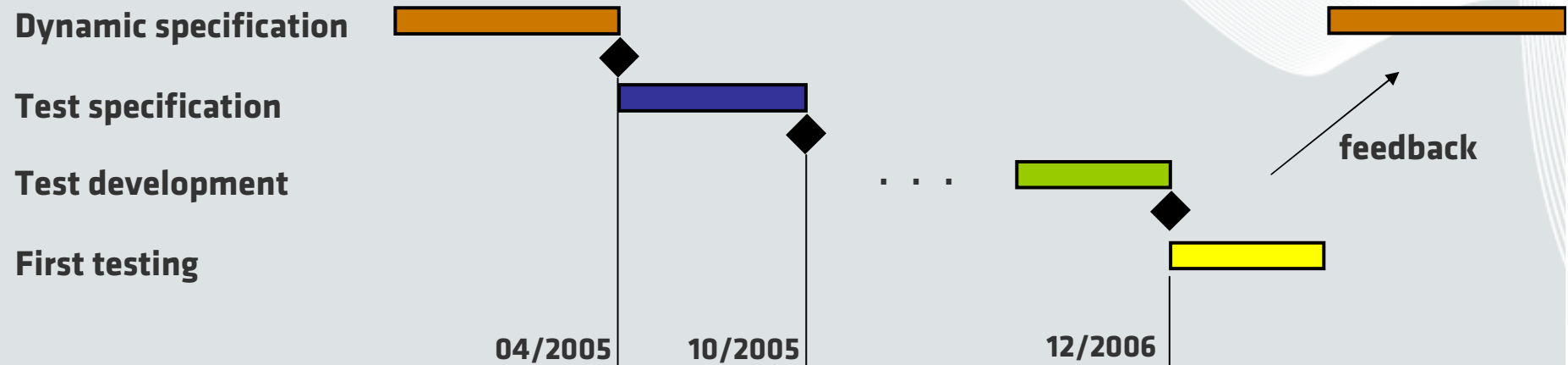
### TTsuite-MOST:

Application testing with TTCN-3 standard  
Graphical test definition format



# Profile Compliance Experiences

### Traditional specification release schedule: (Example Connection Management)



### Experience:

first feedback from testing comes very late

long quality improvement cycles

# Profile Compliance Experiences

**RUETZ**  
**SYSTEM SOLUTIONS**

## Experience Summary:

**Process took too much time and too much effort until release**  
**Process did not correlate to Car manufacturer projects**

→ **Everybody did its own solution**

→ **less interoperability between OEM solutions**

## Conclusion:

**The process had to be changed**

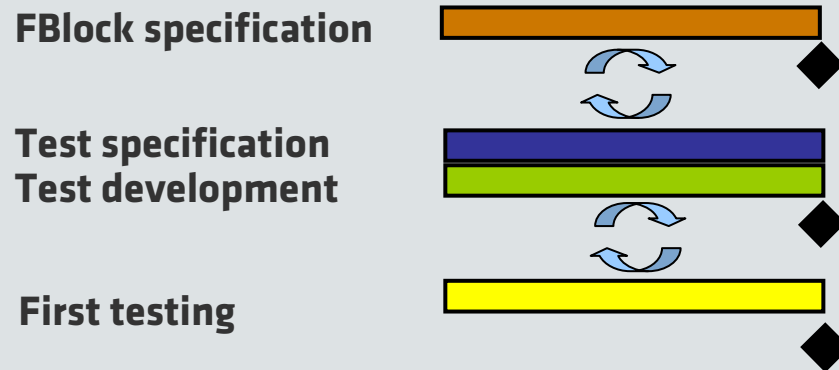
**MOSTCO Test Specifications should be available on time**

**MOSTCO Test Specifications should be expandable for OEM add ons**

**MOSTCO Test Specifications should be derived out of OEM projects**

**We need a standardized platform for Application Testing**

### Specification release scedule:



**Experience from the very beginning**

**Test specification and test development in one step**

**Feedback can be adressed at once and through all levels**

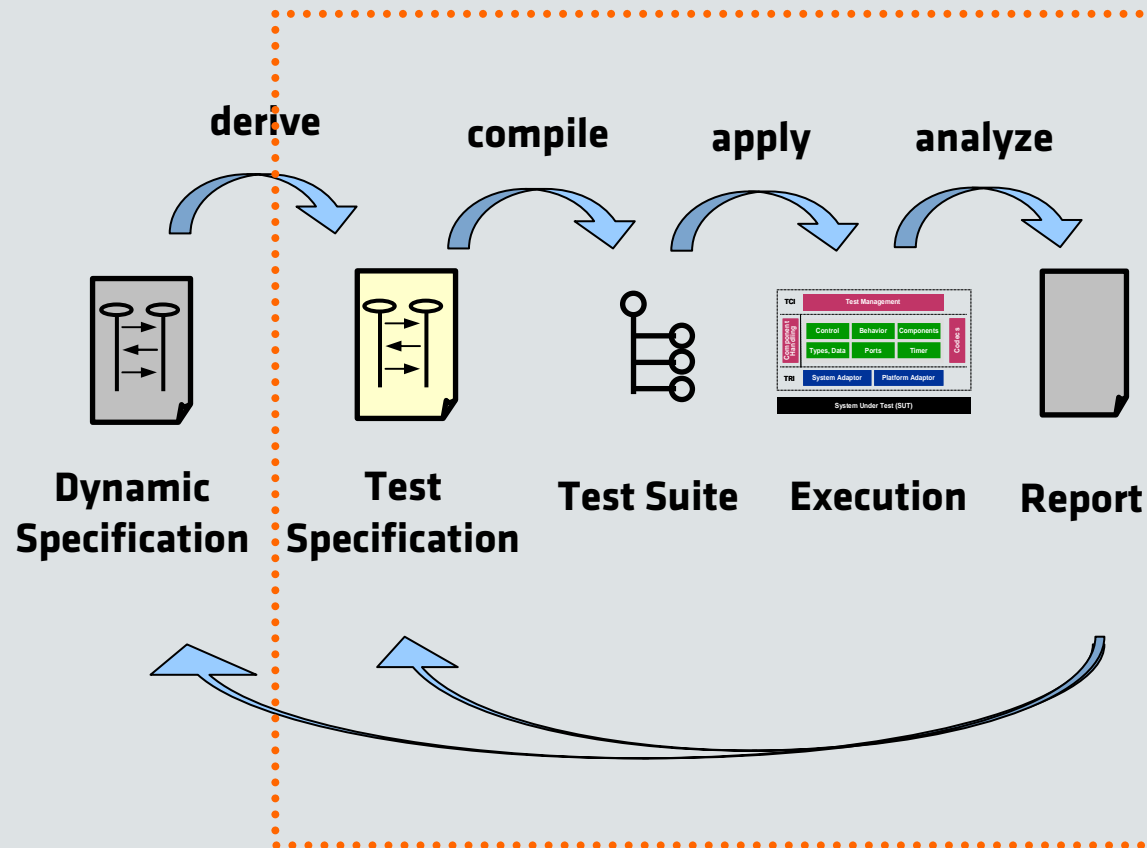
**Improvements can be done within the first release phase**

# Advanced Concepts

## How to speed up test definition

**RUETZ**  
**SYSTEM SOLUTIONS**

### Feedback of test specification and testing



**TTsuite-MOST**  
speeds up your  
test development cycles!

# Advanced Concepts

## TTsuite-MOST

**RUETZ**  
**SYSTEM SOLUTIONS**

### standardized test technology

for fast and easy specification compliant test definition, implementation and execution.

### easy for communication

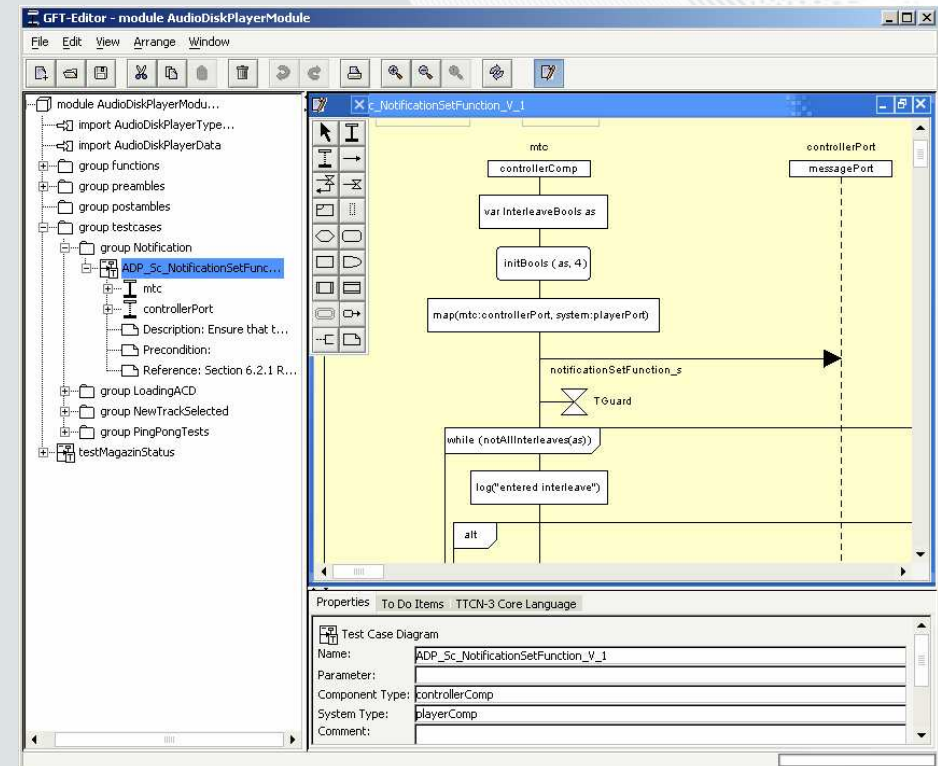
with executable(!) graphical test definition and result evaluation

### fast configuration

of existing cases to new requirements

### high flexibility

through high modular level.

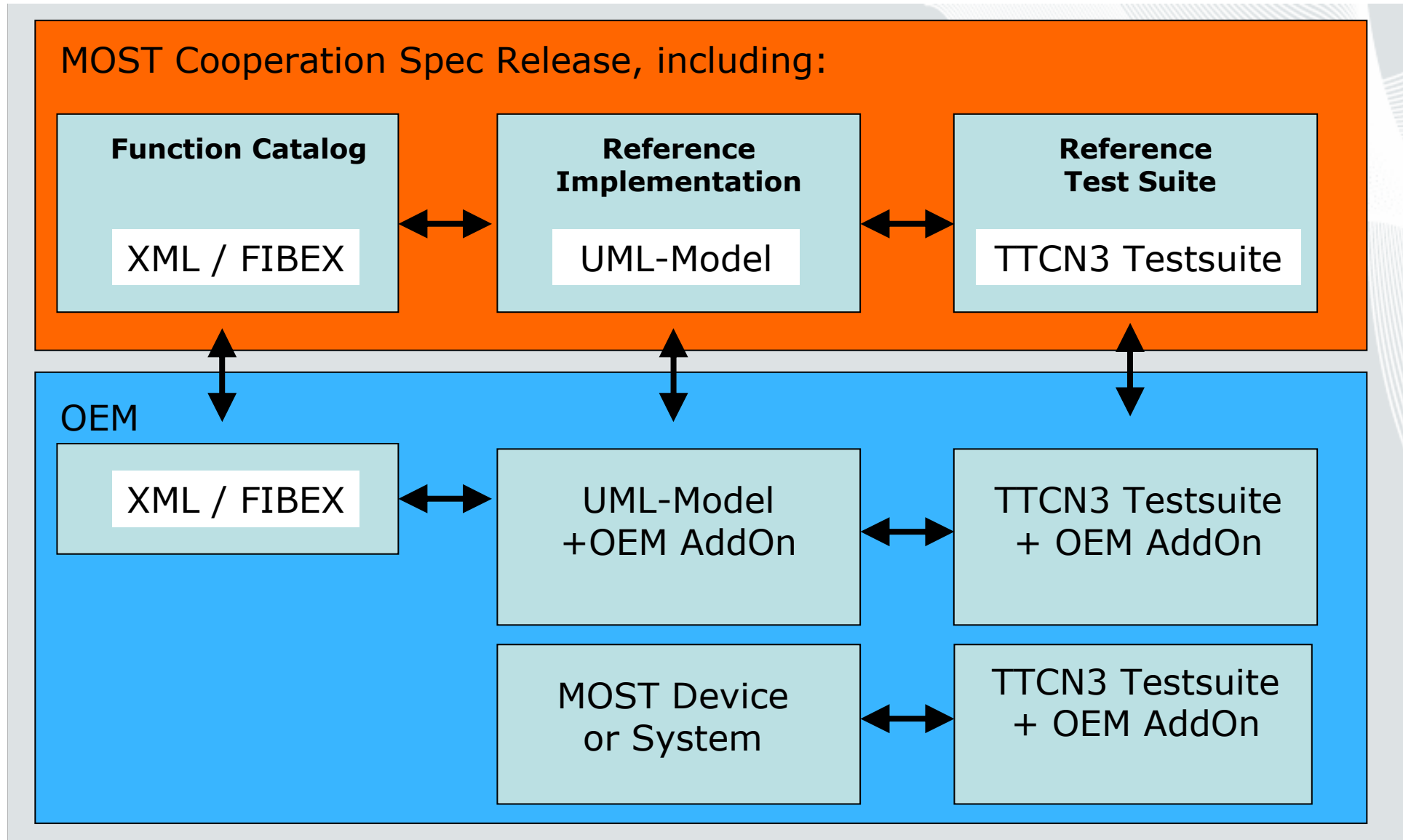


based on  
**TTCN-3**

# Advanced Concepts

## Benefits

**RUETZ**  
**SYSTEM SOLUTIONS**



**Less effort for all project partners**

**Quick development and release phases**

**Early specification failure detection**

**Higher interoperability and reusability**

**Higher quality on each development stage**

**Higher acceptance of MOST Cooperation standard**

**OEM can access the Specifications and expand them by it self**

**Supplier gets more detailed Specifications from the very beginning and has easy possibilities for feedback to the OEM**

**WIN**

**WIN**

**WIN**

**situation for all project partners**

**Thank you for your attention**

**Georg Janker** Geschäftsführer / CTO

**RUETZ**  
**SYSTEM SOLUTIONS**

**Wolfgang Malek** Geschäftsführer / CEO

**RUETZ**  
**SYSTEM SOLUTIONS**