A Scalable Framework for MOST System Testing
TTsuite MOST provides users with an easy-to-use platform, allowing them to carry out tests and simulations for systems of varying complexity. This tool is based on the standardised test description language TTCN-3 and uses the GFT-format (Graphical Presentation Format of TTCN-3) for defining, visualising and documenting the tests.

TTsuite MOST helps to speed up your development cycles

**Features:**
- Developed for MOST25, MOST50 ePHY and MOST150 projects
- MOST Control channel ports
- Direct FunctionCatalog import
- Full MOST Bus administration
- MOST Synchronous channel support
- MOST Asynchronous channel support
- MOST Spy (Control Channel and Async Channel) support
- MOST High Protocol support
- MOST High Protocol frame based testing support
- MOST150 MEP support
- Unique reporting on different levels
- MOST Stress Testing support

**In addition to the standard system,** RUETZ SYSTEM SOLUTIONS also offers test adapters for:
- CAN Bus, RS232, GPIB, HTTP, FTP, SMTP, POP3, SNMP and also TCP and UDP
- as well as ready-to-use test suites and development of test suites according to customer specification
- Interface to HP Quality Center® / Test Director®
**Test Scenario: MOST High Testing**

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**Details:**

- **Direct Function Catalog import**
- **Full MOST Bus administration**
  - Power management
  - Networkmaster and Networkmaster shadow
  - Central Registry and Decentral Registry
  - MOST Asynchronous channel support

- **MOST Synchronous channel support**
  - Simulation of sinks
  - Simulation of sources

- **MOST Asynchronous channel support**
  - MOST High Port enables sending and receiving based on MOST

- **MOST control channel ports for TTCN-3**
  - fblockPort addresses FunctionBlocks
  - fblockSimPort simulates FunctionBlocks
  - amsPort addresses devices
  - spyPort enables SPY functionality

- **Additional Functions**
  - Filter for MOST control channel ports
  - Dispatcher for received messages
  - BroadCast / GroupCast

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**Reporting**

- Reporting on different levels of detail in MOST analysis style
- Summary of test results

**System Requirements and MOST Interfaces**

- Standard PC 2 GB RAM / Windows XP, Java JRE,
- Supported MOST Bus Interfaces
  - SMSC OL V5,
  - SMSC OL3025o
  - SMSC OL3050e
  - SMSC OL3150o
  - SMSC PCI Tool Kit for ePhy or oPhy
  - Softing EDICNET MOST

**Available official Test Suites**

- MOST Profile AUXIN Compliance Test Specification
- MOST Profile ConnectionMaster Compliance Test Specification
- MOST Extended Core Compliance Test Specification MOST High Protocol
- Automotive Application Recommendation for MOST Core Functionality Part 2

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TEST REPORT EXAMPLE: MOST HIGH TESTING

17:51:08:136 Tester  
Extended ...

17:51:08:147 MostHighPort

17:51:08:149 MostHighPort  System
match  StartConnection_FBMsg

17:51:08:150 MostHighPort

17:51:08:184 MostHighPort  System
send  ReadyForData_FBMsg

17:51:08:189 MostHighPort

17:51:08:191 MostHighPort  System
send  DataFrame_FBMsg

17:51:08:219 MostHighPort

17:51:08:243 MostHighPort  System
send  DataFrame_FBMsg

17:51:08:244 MostHighPort

17:51:08:245 MostHighPort  System

17:51:08:147  System  
Extended ...

17:51:08:149 MostHighPort

17:51:08:150 MostHighPort

17:51:08:184 MostHighPort

17:51:08:189 MostHighPort

17:51:08:191 MostHighPort

17:51:08:219 MostHighPort

17:51:08:243 MostHighPort

17:51:08:244 MostHighPort

17:51:08:245 MostHighPort

t_DeadLockShort(1.0)  
17:51:08:136

17:51:08:147

17:51:08:149

17:51:08:150

17:51:08:184

17:51:08:189

17:51:08:191

17:51:08:219

17:51:08:243

17:51:08:244

17:51:08:245

Receive

ReadyForData_FBMsg

MultibleFramesRequest_FBMsg

T: +49 / 89 / 200 04 13-0
F: +49 / 89 / 200 04 13-99
www.ruetz-system-solutions.com