Testing Railway Interlockings with TTCN-3

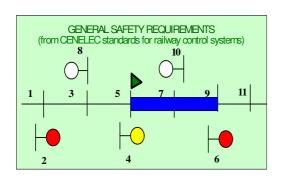
Problem

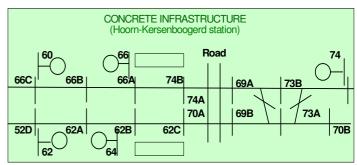
Testing railway interlocking software with TTCN-3, starting from general safety requirements and providing time control

LOGISTIC LAYER
(human-experts interface)

INTERLOCKING LAYER
(guarantees safety of railway control system)

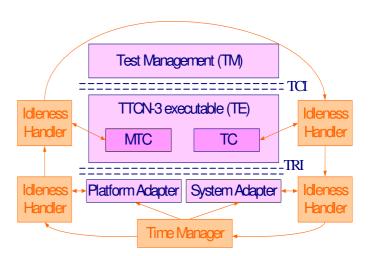
INFRASTRUCTURE
(railway tracks, signals, level crossings, points etc.)





Solution

- map general requirements to concrete infrastructure and further to TTCN-3 test cases
- add simulated time to TTCN-3 test system



This work is done by CWI and ProRail (The Netherlands)

