

Code Coverage
All code and conditionals are exercised in a meaningful way by tests



Assumption

LMCP and OpenAmase do not need to be tested

A

Justification

Errors in LMCP will be detected by testing its output

J

Justification

OpenAmase is only used for testing and off-line prototyping

J

Comment

Use of Valgrind has been recommended for all tests

Corina Pasareanu

The Symbolic PathFinder tool
<http://babelfish.arc.nasa.gov/trac/jpf/wiki/projects/jpf-symbc>
performs automated test case generation for java programs with heuristics for solving complex non-linear constraints (the Coral solver).

Corina Pasareanu

Working on tools for automated test case generation from Simulink/Stateflow models and also from C code and from Lustre descriptions.

Sriram Sankaranarayanan

Statistical model checking

Comment

Currently using lcov to get line/function/branch coverage

ASU

Integrate coverage guided test generation framework developed in ASU CPSLab

Comment

Ground station software would need to be tested for complete confidence