SW-Testing:
SPI policies and support

LCG Software Process & Infrastructure

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LCG/SPI

LCG AA meeting (07/05/03)

SPI SW-Testing: overview

GOAL

"Software testing should be an integral part of the software development process"

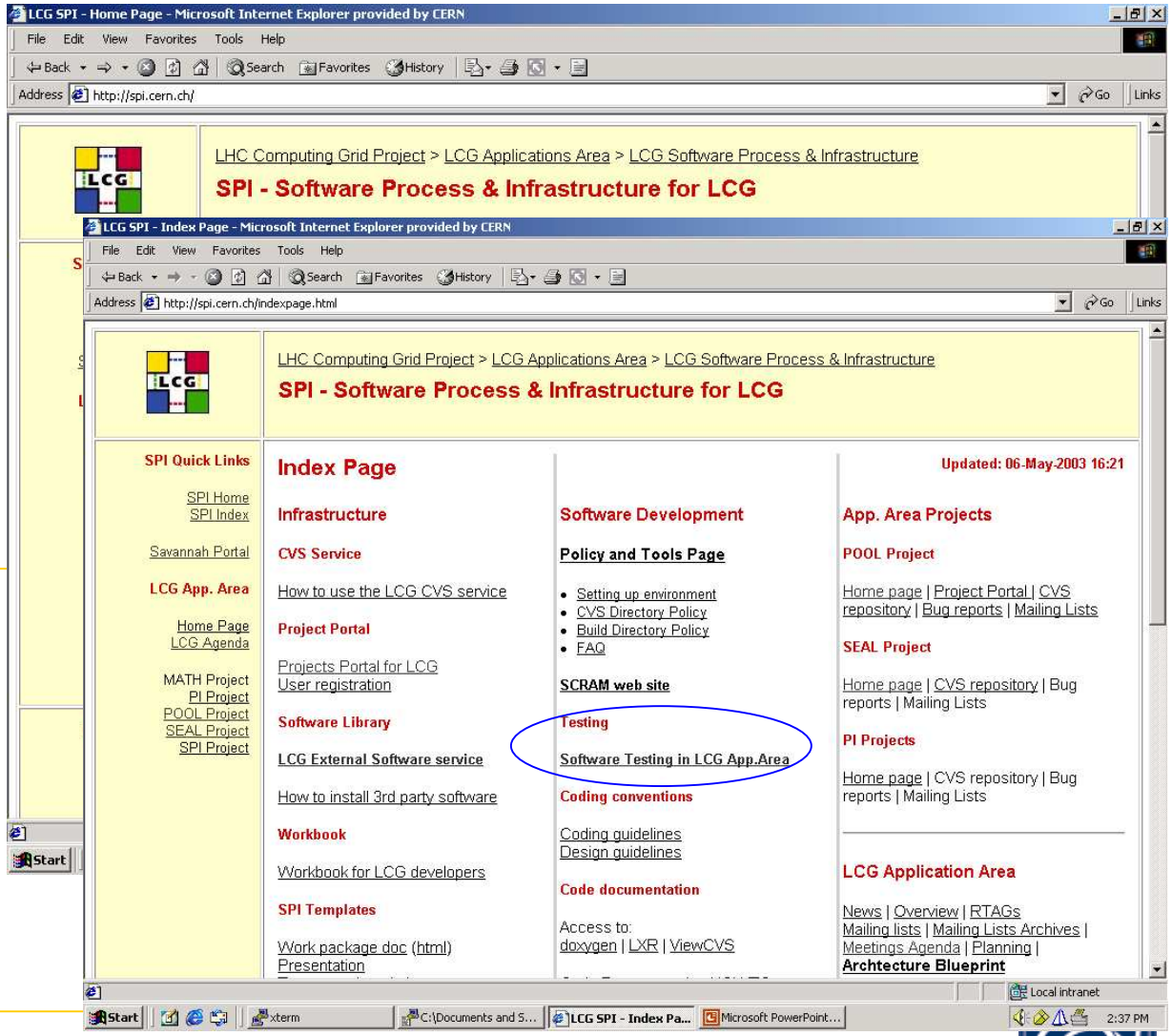
Automated testing

SW- testing support:

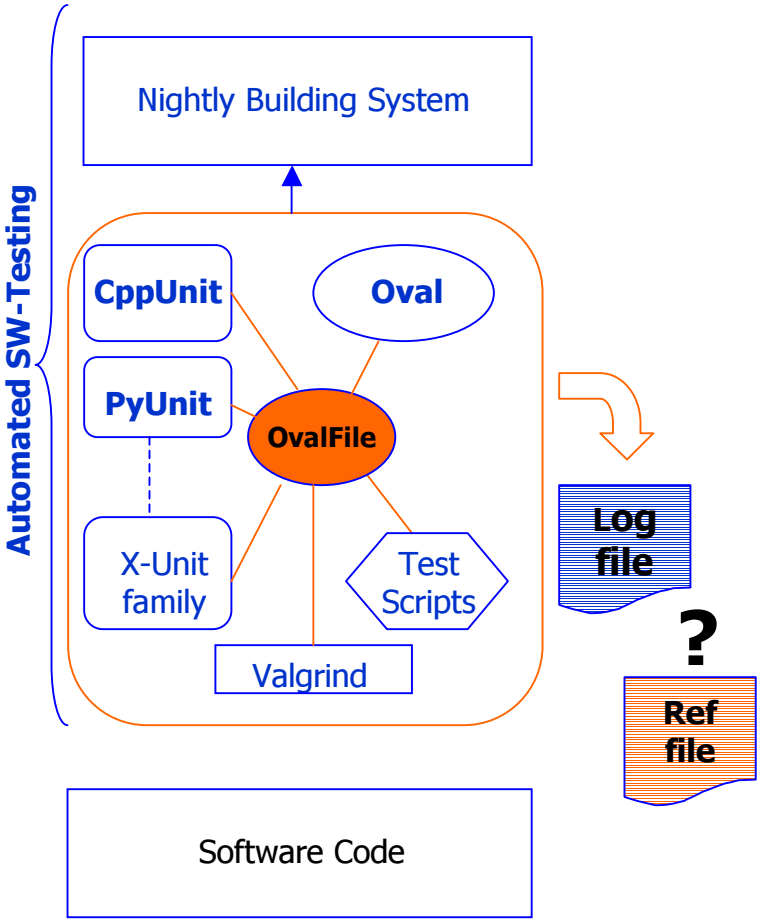
- Test frame works
- HowTo, examples …
- Test plan & test case documentation templates

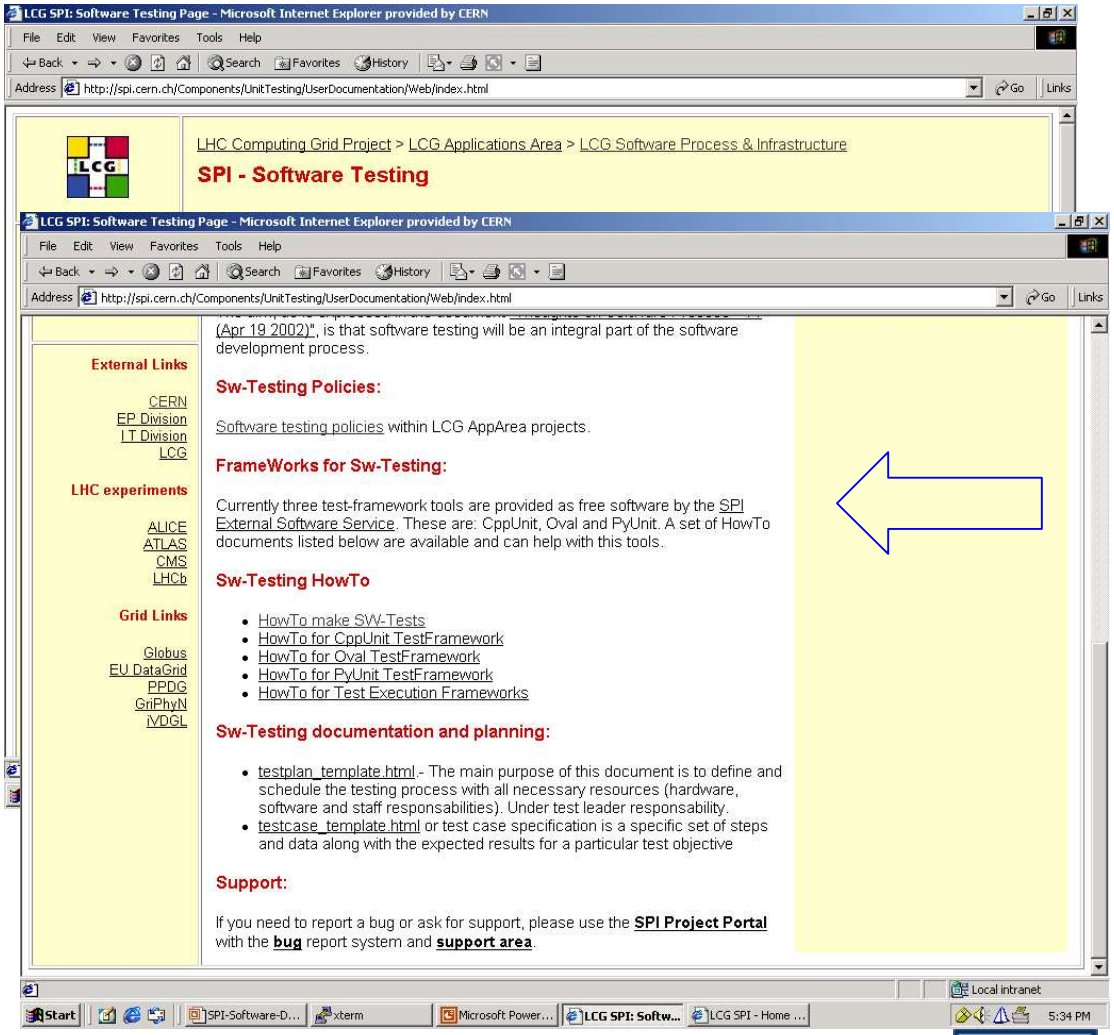
SW- testing polices

SPI



SW-Testing support: Web information





SW-Testing support: Tools supported

Provided as free software by the SPI External Software Service

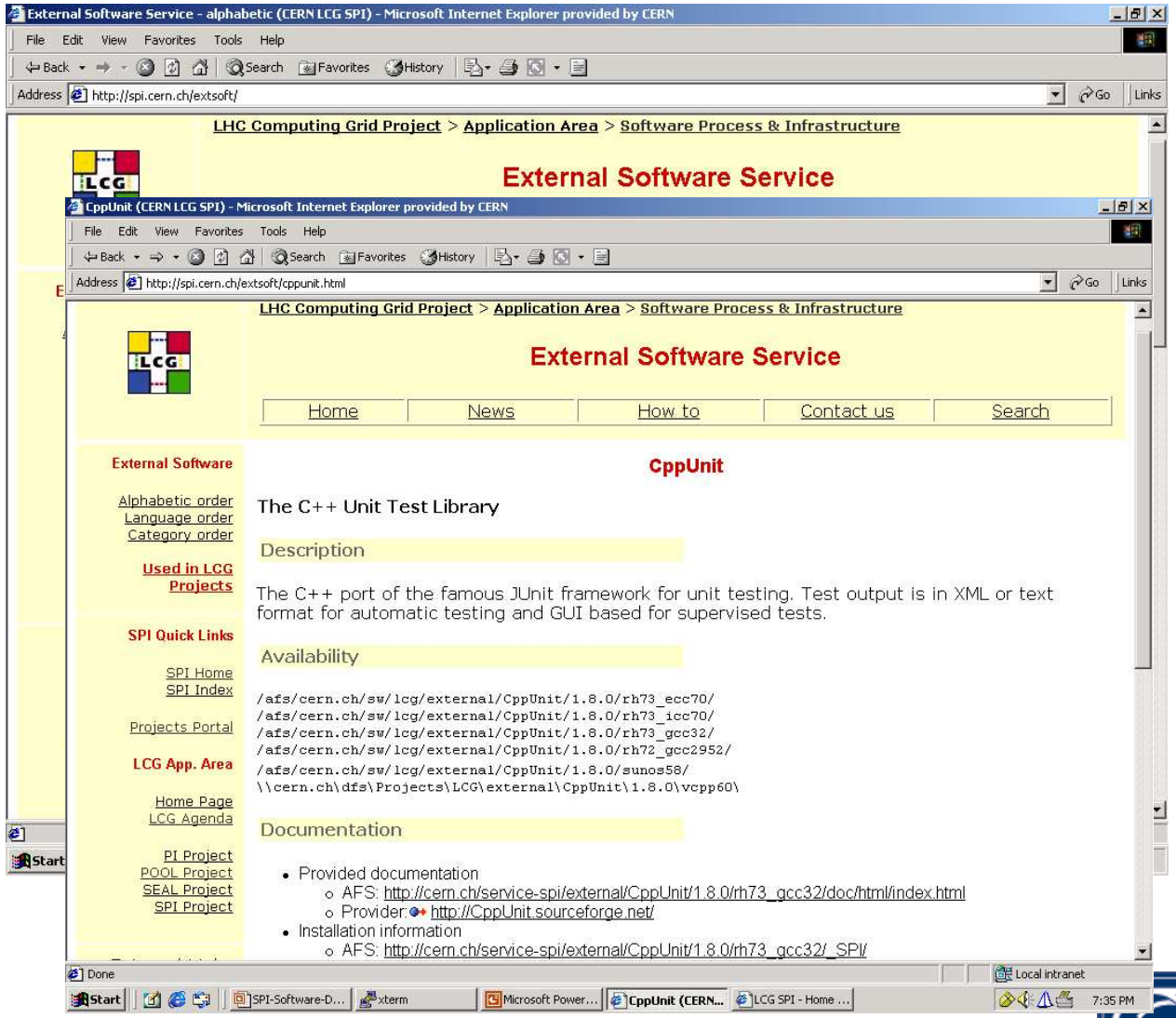
CppUnit

Oval

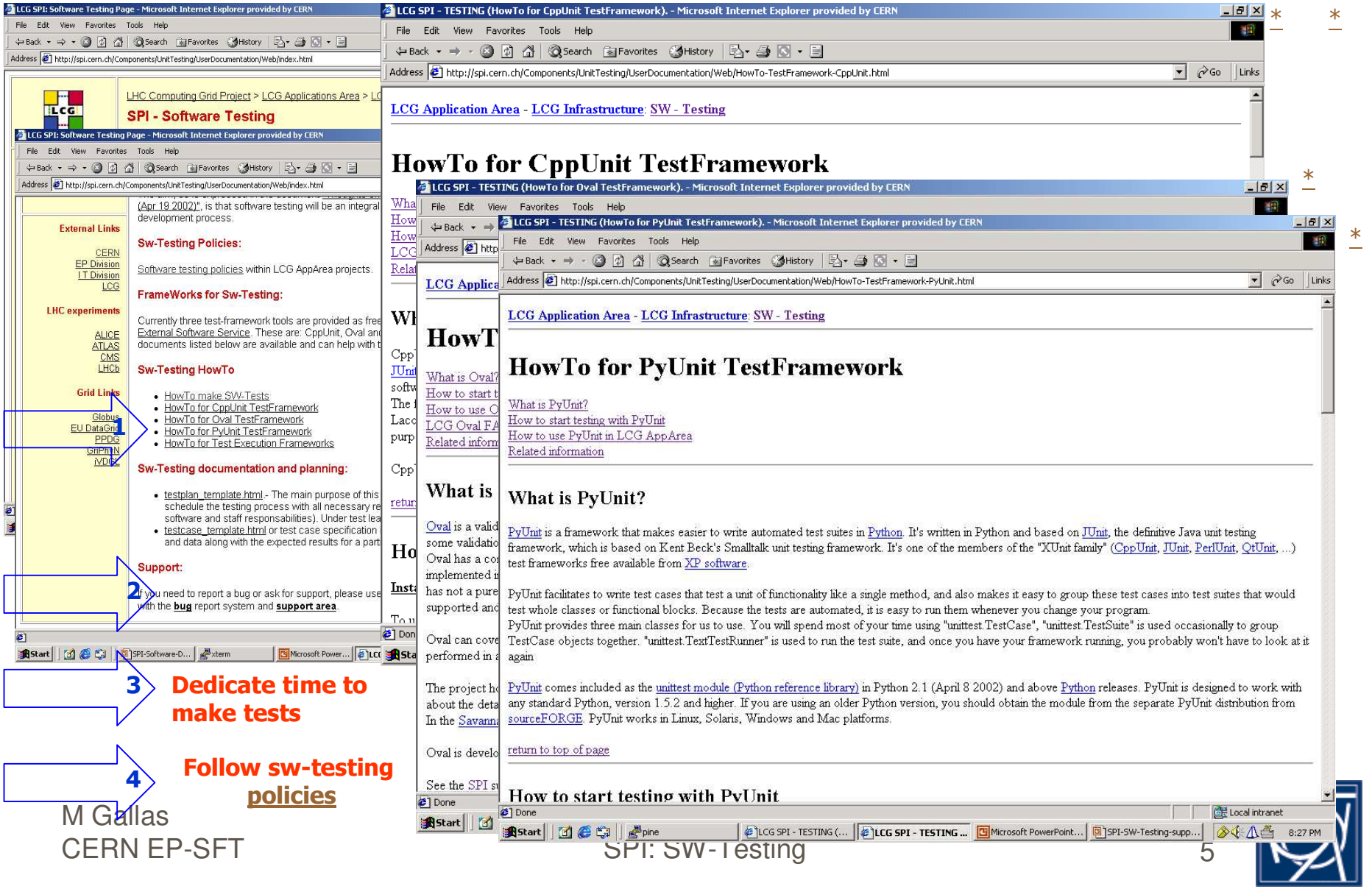
PyUnit

- Different platforms: (Linux/Solaris/Windows)
- Different compilers
- Integrated with SCRAM and ready to be used
- Installed in AFS/DFS
- Instructions to install them in a local machine

How to use them ?

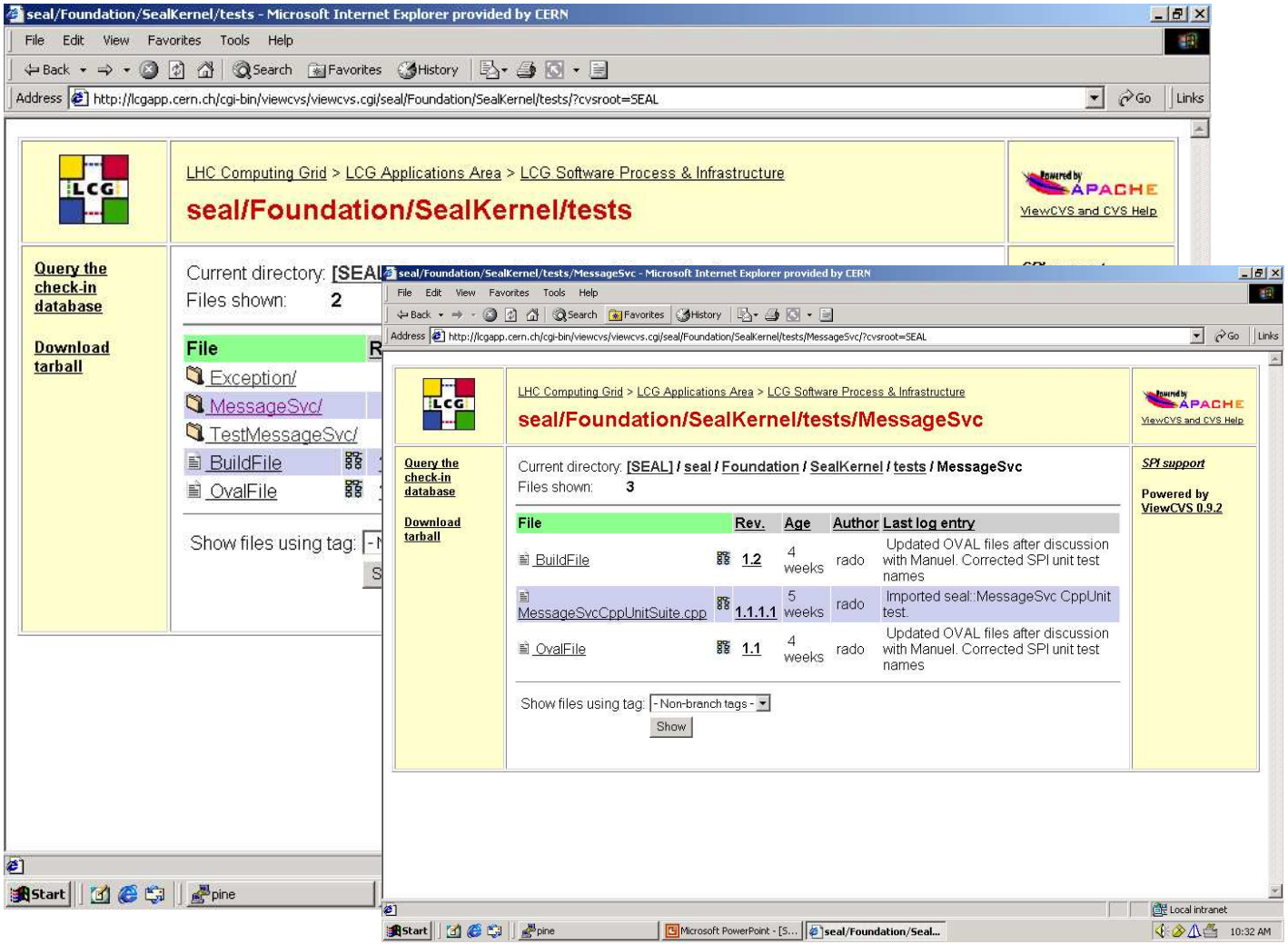


SW-Testing support: HowTos



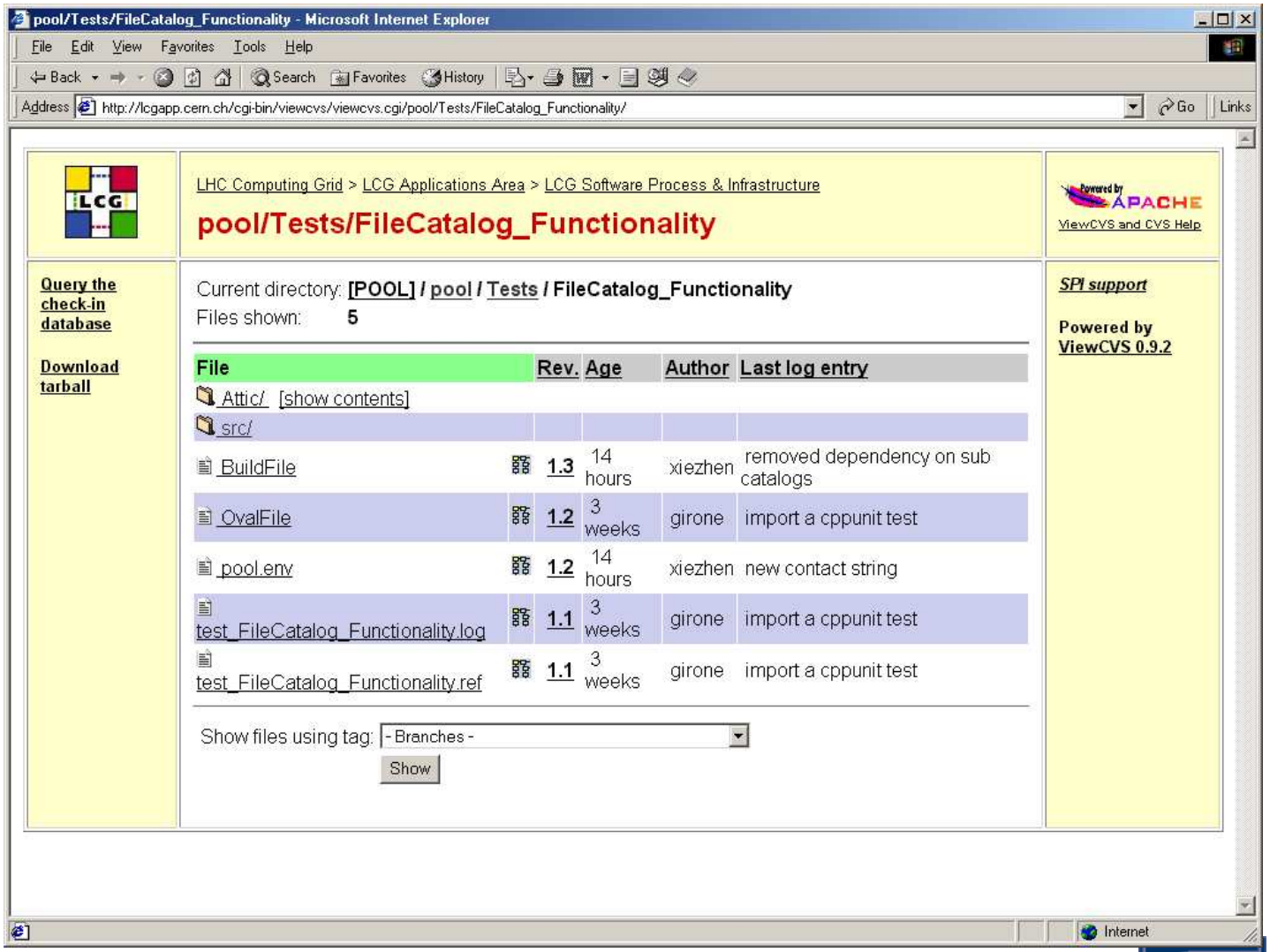
SW-Testing support: Examples

SEAL



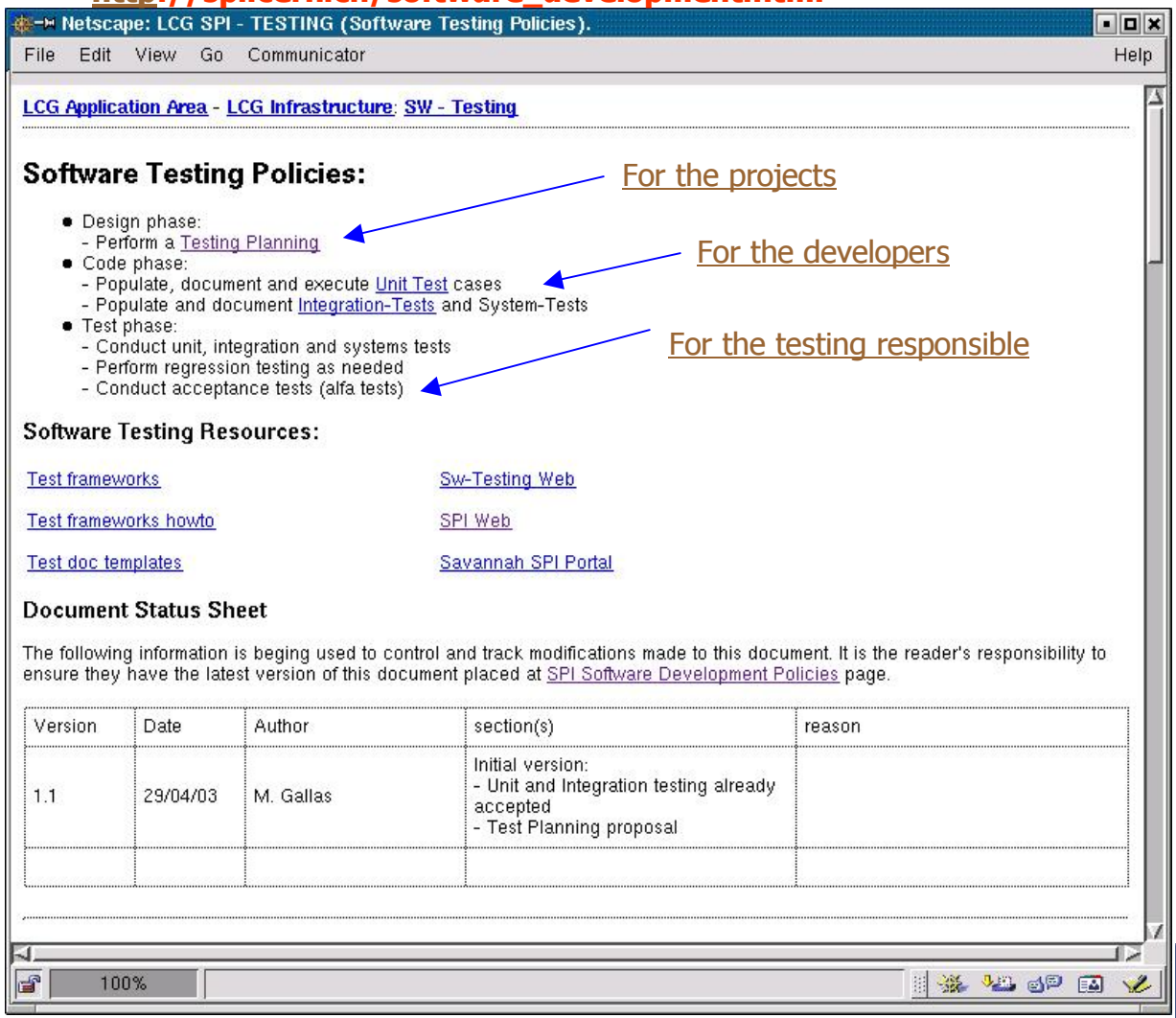
SW-Testing support: Examples (II)

POOL



SW-Testing policies: where to find them?

http://spi.cern.ch/software_development.html



SW-Testing policies: Test Plan

For all projects is needed a Test Plan

Let us use a template

POOL Test Plan is a good example and a starting point

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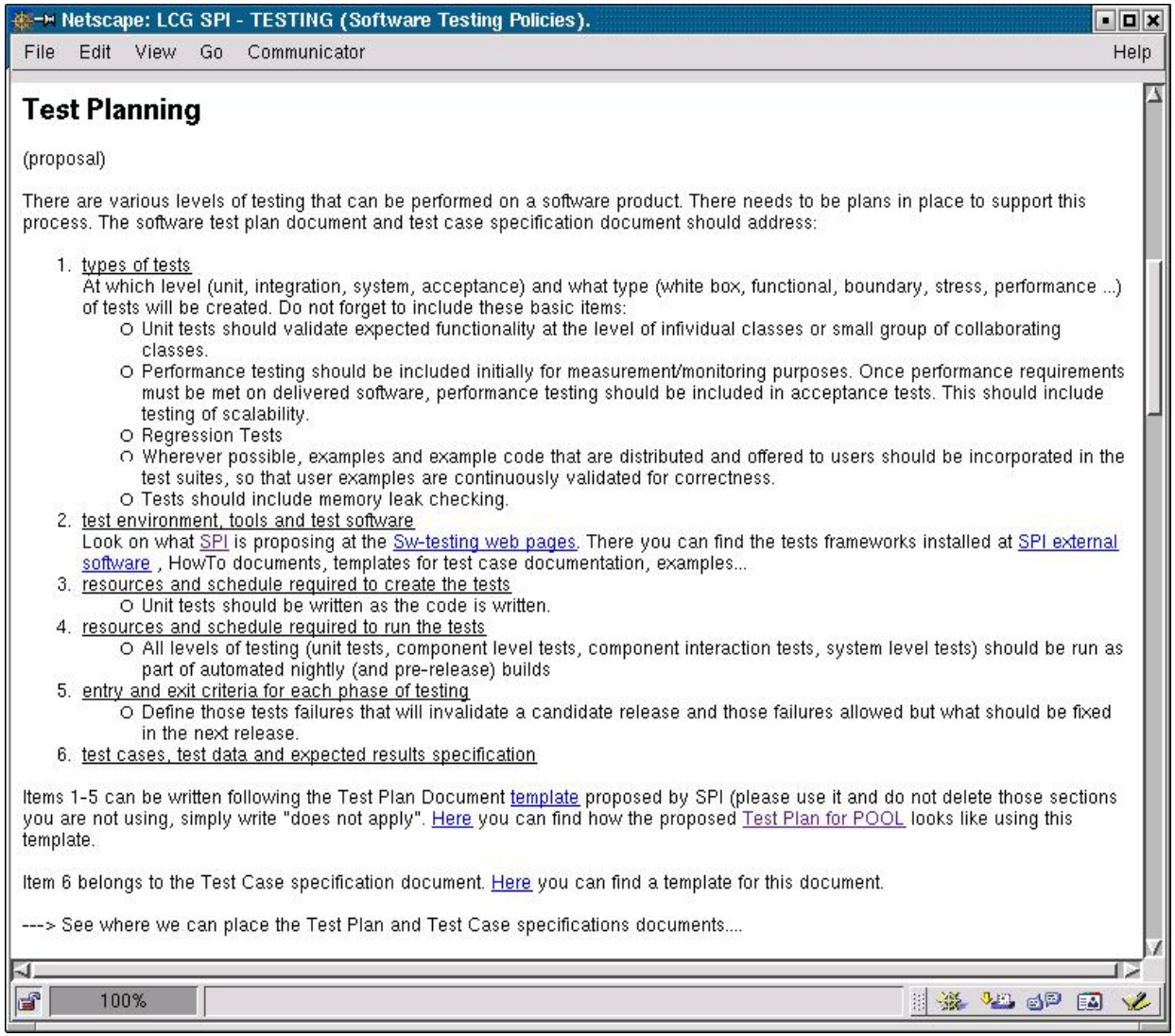
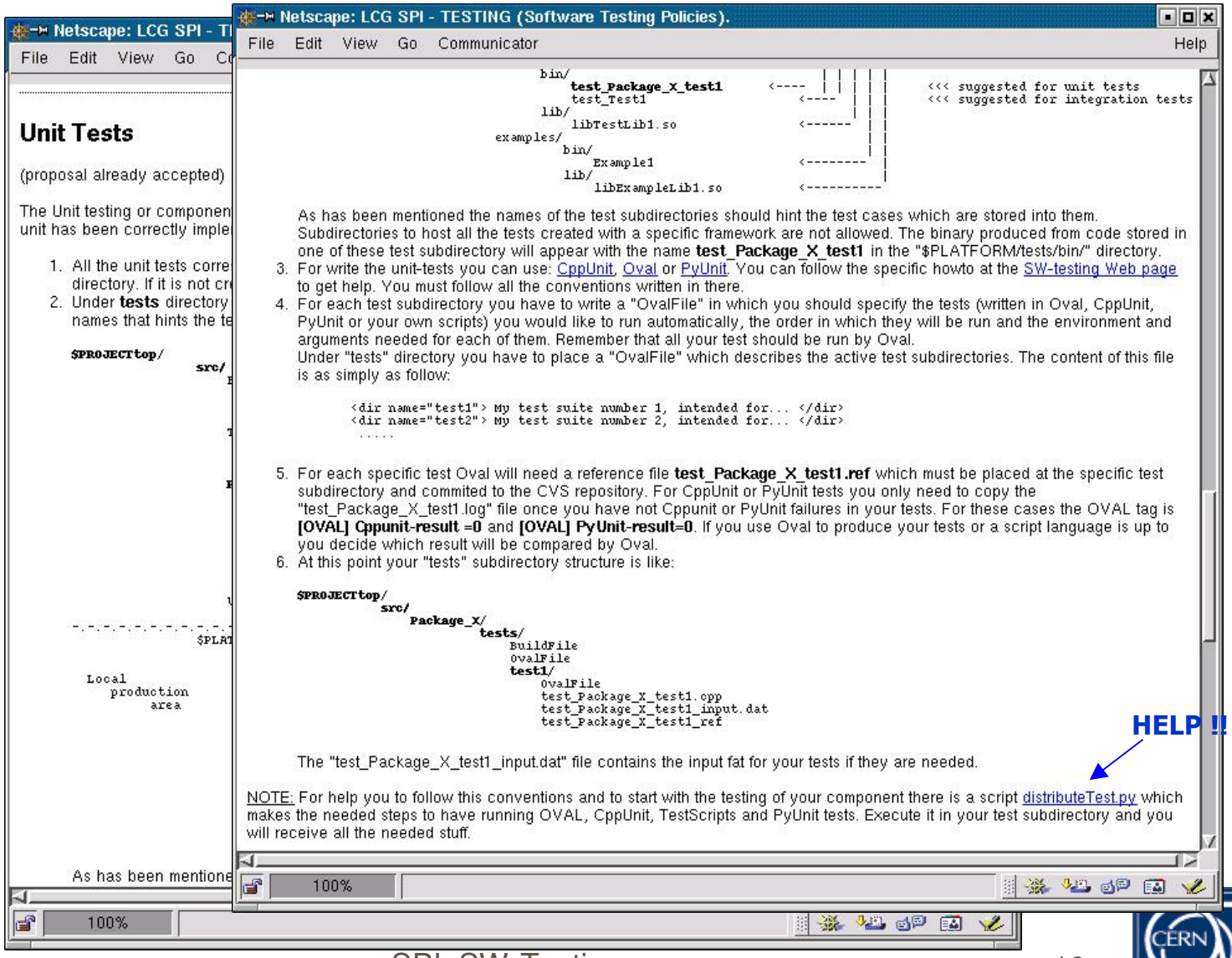
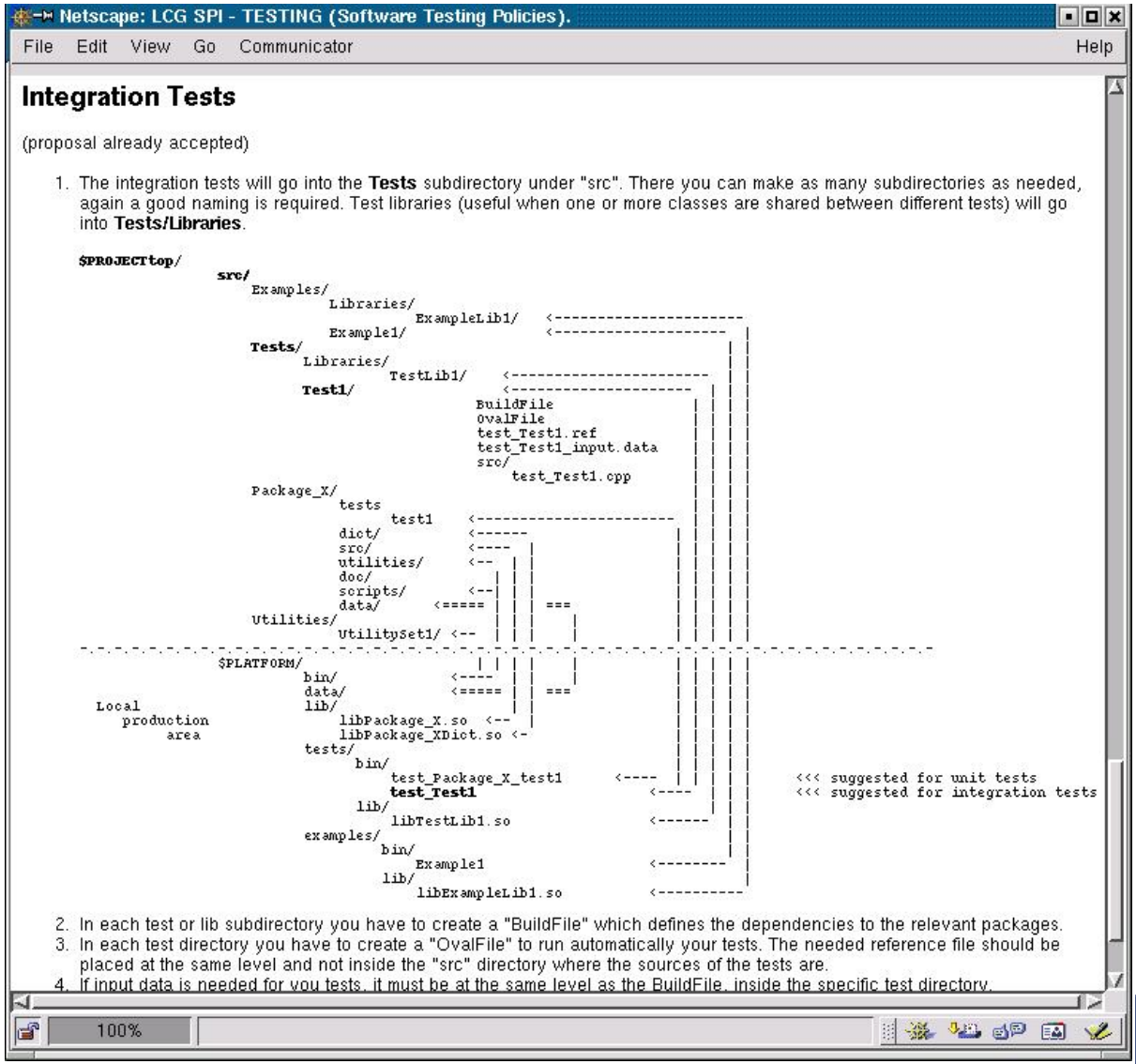


SW-Testing policies: for developers



SW-Testing policies: for developers (II)



SPI SW-Testing

Thanks to:
- LCG-POOL team
- LCG-SEAL team

SPI SW-Testing

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SW- testing polices

Feedback and interaction are always welcome!!