

## Appendix 5: Testing and approval

### The Agreement, clause 2.1.4 Partial deliveries

See Annex 4 heading: “The Agreement, clause 2.1.4 Partial deliveries”

### The Agreement, clause 2.4.1 Preparations for acceptance tests

The Supplier shall perform the following tasks as preparation for the Customer acceptance test:

- Joint establishment of testing routines and methods for practically executing tests, rectification of errors, re-testing, regression testing, deployment of fixes and all other practicalities related to test planning and execution.
- Planning and coordination of the preparation activities in line with the timeline and status of readiness of dependent user equipment and building infrastructure.
- Training of test users
- Assistance with preparing test scenarios for acceptance testing
- Preparation of user guidelines for the testers
- Installation of the acceptance test version of the software or preparation of instructions for the Customer's operational personnel who will perform the installation.

The Customer will make sure the test users are available for conducting the test, and perform coordination with third parties so that the prerequisite building access, facilities, and user equipment is ready for testing.

### The Agreement, clause 2.4.2 Solution ready for acceptance test

No errors of category A as identified by the Supplier's own testing will qualify for stating that the Solution is ready for acceptance testing.

Any errors of category B as identified by the Supplier's own testing shall have a suggested workaround with Customer written approval or otherwise Customer written approval of mitigation measures in order for the Solution to be deemed ready for acceptance testing.

### The Agreement, clause 2.4.3 Plan for the Customer acceptance test and the approval period

The Supplier shall help prepare the plan for the Customer's acceptance test.

The Supplier shall provide the Customer with test plan, test scripts, scenarios, and other test materials from its own testing and/or best practices so that the Customer can use these as a basis for its own work on the test plan.

The Supplier shall give the Customer feedback on the test plan. The deadline for the Supplier's written feedback on whether or not it thinks the acceptance test plan is adequate

to ensure the satisfactory testing of the solution shall be 10 days prior to the acceptance test start date.

### The Agreement, clause 2.4.4 Scope of the acceptance test

The Customer acceptance test shall comprise the software and the equipment that form part of the deliverables. The scope of the acceptance test is described in more detail in the test plan.

### The Agreement, clause 2.4.5 Performance of the Customer acceptance test

Preliminary prerequisites for testing include:

- Obtain the equipment that will be used in the test
- Train the testers
- User documentation and other materials the testers need
- Describe routines for how the testers must document and report errors
- Obtain the test data
- Produce test descriptions
- Produce a plan describing the order in which the tests will be conducted and which takes into account any interdependencies between the tests.

The Customer's test manager will:

- Administer the execution of the tests rounds.
- Follow up the testers, provide user support as needed with assistance from the Supplier.
- Check that errors can be reproduced and quality assure error reports before they are sent to the Contractor for error rectification

Criteria for ending the test:

- Everything that should be tested has been tested
- Re-test the final error rectifications
- Run a regression test
- The level of outstanding errors is within the limits of what has been agreed

Routines for how rectified versions should be delivered to the Customer for re-testing, and how the re-testing should be conducted, shall be made before testing starts. Reference is made to "The Agreement, clause 2.4.1 Preparations for acceptance tests" in this appendix.

### The Agreement, clause 2.4.7 Commissioning

The duties of the parties in connection with commissioning shall be in line with the definitions and descriptions laid out in the appendix "OSC-80-SB-O-SD-00008 Strategy for Systematic Completion of BUT".

Any deviations or adjustments to these routines shall be agreed and approved by the Customer in writing before the milestone "MS3 Ready for onsite implementation"

## The Agreement, clause 2.5.2 Implementation of the approval period

The Customer will conduct examinations during the approval period in line with the trial operations period as laid out in the appendix “OSC-80-SB-O-SD-00008 Strategy for Systematic Completion of BUT”

During the trial period, the Supplier must:

- Keep a record of incidents. Operations managers report incidents.
- Carry out a review every month in collaboration with operations managers.
- Keep trial operation protocol.
- Carry out a function test of the system on which deviations have been registered at the end of the trial run.

For those items in the “OSC-80-SB-O-SD-00008 Strategy for Systematic Completion of BUT” that are obviously irrelevant for such deliveries that are largely software based, they may be disregarded as long as the Supplier states such interpretation in writing to the Customer.