Detailed functional tests for DAS/CCD3 software
Transmission of CCD3/controller/detector status (over Ivy bus)

Date: 21/10 - 2009
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Version: 21/10 - 2009, Initial version.
16/11 – 2009, Comments by AiC.
20/4 – 2010, Complete rewrite based on real world development.

Test number	**8**
Test name	**Transmission and storage of CCD3/controller/detector status**
Test document	**08-test-status-trans**
Depends on test	None.
Require-ments	The relevent (See current list of database elements?) status information shall be kept up to date and stored in a database table. This database table shall be implemented in MySQL and (later) in SQLite (? TBD).
Circum-stances	– The CCD3 system shall be running, connected to a detector controller, controlling a CCD or reading out a dummy test pattern. – The 'ccd3db' program shall be running.
Test descrip-tions	Subtest 8.1: An exposure shall be made using the NOT sequencer command 'expose'. Subtest 8.2: All NOT sequencer commands that modifies the value of any element included in the status information shall be executed with different values or arguments.
Criterias	The result is acceptable and thus the test is PASSED when Common: – The status information stored in the database table is updated every time one of the elements of information it is representing changes value. – The startup of the CCD3/DAS system results in an initial update of the status information that is not dynamically received over the Ivy bus. For subtest 8.1: The status information is updated to reflect the state of the elements of information that will vary during an exposure and that this update takes place no more than xx ms (TBD) after the state has changed. This beeing so when all the elements of the CCD3/DAS system is running on computer on the same local network.

	<u>For subtest 8.2:</u> The status information is updated to reflect the state of the elements of information associated with each of the NOT sequencer commands tested in this subtest and that this update takes place no more than xx ms (TBD) after the state has changed. This beeing so when all the elements of the CCD3/DAS system is running on computer on the same local network.
Result	❑ Subtest 8.1 PASSED. Tested by _____ on ____ / ____ 20____ Signed _____ ❑ Subtest 8.2 PASSED. Tested by _____ on ____ / ____ 20____ Signed _____
Notes	