



Unsafe_state and Unsafe_state_2 are NOT absorbing states. Provided the system is OK (i.e. at least one of the channels is OK), repairs of a channel are possible from both a fail safe state and unsafe failure state.

There is no need to share unsafe states: unsafe states are recognised by checking the OK and the safe fail states of the channels (see the Adjudicator atomic model). If a channel is neither in an OK nor in a fail safe state, then it must be in unsafe failure state.

Repair_unsafe implies that until the system is in OK state, a repair is possible of a single channel, even if it is unsafe_failure. The rate of this repair is 3.6 ms (0.000001 hours), which is not too extreme (on average it is undertaken every 20 cycles of 50 microsec).