

Compliant Control Architecture - Support #960

Component exception throwing is caught somewhere

03/16/2012 02:15 PM - C. Emmerich

Status:	New	Start date:	03/16/2012
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
<p>If I want a component to crash when it is requested to change in a component state that is not supported, I am not able to do this by means of throwing an exception. This exception is cathced somewhere in cca/rsb and the component still runs on. Is this a bug? If not, what is the 'desired' way of stopping/crashing components?</p>			

History

#1 - 03/21/2012 04:51 PM - Anonymous

The problem is, that the component state changed is triggered over RSB (when sent over network), so the thread catching the exception is just the event delivery mechanism. The component itself is decoupled from that and will continue running.

A workaround could be that you stop the component (calling this->stop()) before firing the exception.

But you are right, there should be a convenient solution (maybe a way to fire an exception, which fires the exception and stops the component) including error logging etc.