2) How to express dysfunctional behaviour?
ANALYTICAL EXPRESSIONS

- Fast annotation
- Easy to analyse

STATE MACHINES

- Separate functional and dysfunctional behavior
- Conform to formal languages: AltaRica, etc.
For the compatibility of dysfunctional behavior on different levels only Blocks of the finest hierarchical level have an associated set of analytical expressions through dedicated profile.

\[
\text{out1} = (\text{in1} \ \text{AND} \ \text{in2}) \ \text{OR} \ (\text{f1} \ \text{OR} \ \text{f2}) \\
\text{out2} = \text{in3} \ \text{OR} \ \text{f3}
\]
STATE MACHINES

Modeling

Safety Analysis

Blocks of the finest hierarchical level have an associated State Machine