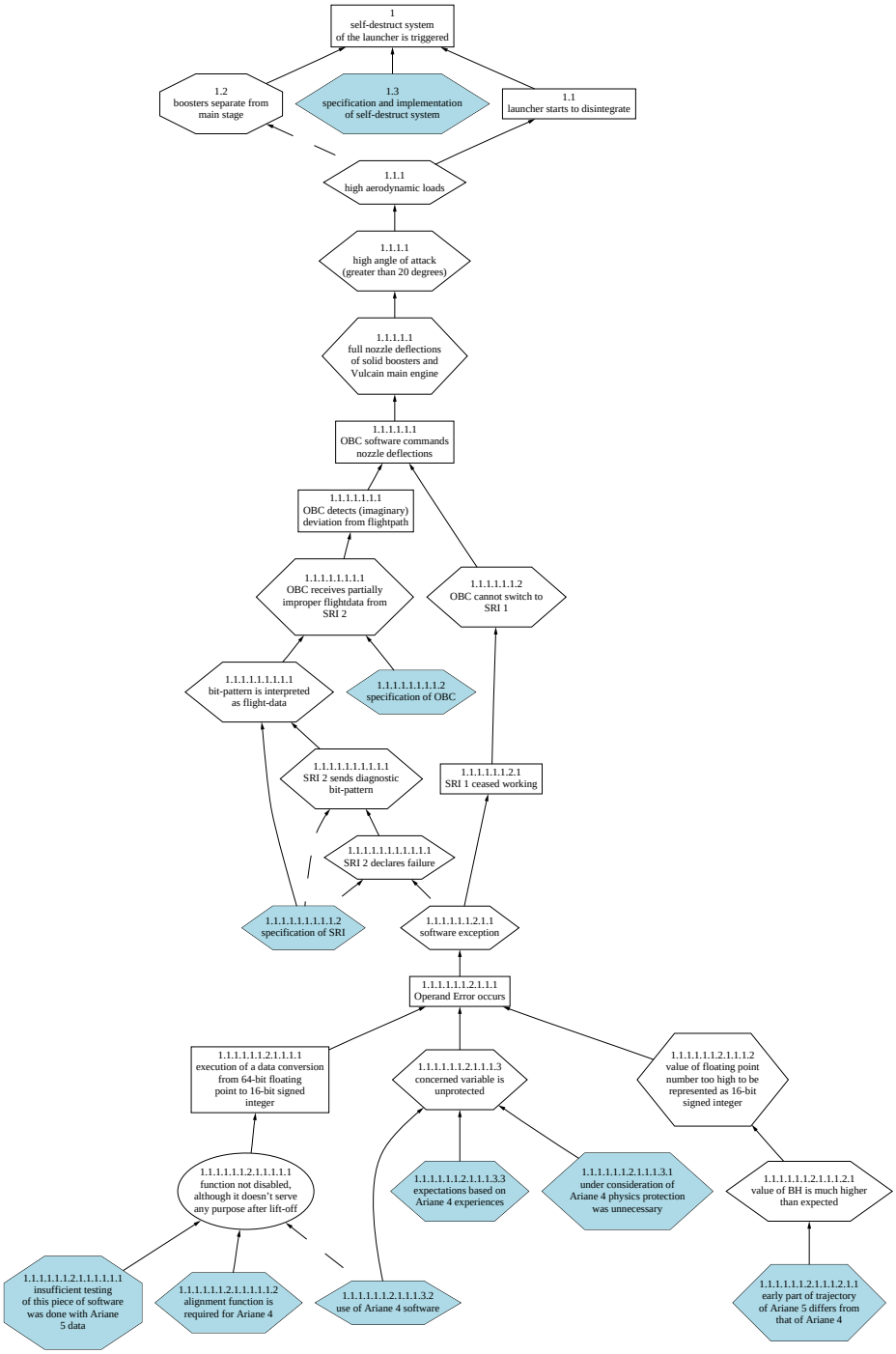
1
self-destruct system
of the launcher is triggered
1.2
boosters separate from
main stage
1.3
specification and implementation
of self-destruct system
1.1
launcher starts to disintegrate
1.1.1
high aerodynamic loads
1.1.1.1
high angle of attack
(greater than 20 degrees)
1.1.1.1.1
full nozzle deflections
of solid boosters and
Vulcain main engine
1.1.1.1.1.1
OBC software commands
nozzle deflections
1.1.1.1.1.1.1
OBC detects (imaginary)
deviation from flightpath
1.1.1.1.1.1.1.1
OBC receives partially
improper flightdata from
SRI 2
1.1.1.1.1.1.1.2
OBC cannot switch to
SRI 1
1.1.1.1.1.1.1.1.1
bit-pattern is interpreted
as flight-data
1.1.1.1.1.1.1.1.2
specification of OBC
1.1.1.1.1.1.1.1.1.1
SRI 2 sends diagnostic
bit-pattern
1.1.1.1.1.1.2.1
SRI 1 ceased working
1.1.1.1.1.1.1.1.1.1.1
SRI 2 declares failure
1.1.1.1.1.1.1.1.1.1.2
specification of SRI
1.1.1.1.1.1.2.1.1
software exception
1.1.1.1.1.1.2.1.1.1
Operand Error occurs
1.1.1.1.1.1.2.1.1.1.1
execution of a data conversion
from 64-bit floating
point to 16-bit signed
integer
1.1.1.1.1.1.2.1.1.1.3
concerned variable is
unprotected
1.1.1.1.1.1.2.1.1.1.2
value of floating point
number too high to be
represented as 16-bit
signed integer
1.1.1.1.1.1.2.1.1.1.1.1
function not disabled,
although it doesn't serve
any purpose after lift-off
1.1.1.1.1.1.2.1.1.1.3.3
expectations based on
Ariane 4 experiences
1.1.1.1.1.1.2.1.1.1.3.1
under consideration of
Ariane 4 physics protection
was unnecessary
1.1.1.1.1.1.2.1.1.1.2.1
value of BH is much higher
than expected
1.1.1.1.1.1.2.1.1.1.1.1
insufficient testing
of this piece of software
was done with Ariane
5 data
1.1.1.1.1.1.2.1.1.1.1.2
alignment function is
required for Ariane 4
1.1.1.1.1.1.2.1.1.1.3.2
use of Ariane 4 software
1.1.1.1.1.1.2.1.1.1.2.1.1
early part of trajectory
of Ariane 5 differs from
that of Ariane 4