BF Specification of a Vulnerability with N Underlying Weaknesses

BF Specification of Weakness $_1$

Operation Defect Type

Bug
(improper operation)

Weakness Type $_1$

Operation $_1$

Operand Fault Type $_1$

Error $_1$

Operand$_1$ Kind
Value $_{1s}$

...

Operand$_5$ Kind
Value $_{5s}$

Mechanism
Value $_{1m}$

Source Code
Value $_{1c}$

Execution Space
Value $_{1e}$

Operand$_1$ State
Value $_{1k}$

Operand$_5$ State
Value $_{5k}$

BF Specification of Weakness$_2$

Operand Fault Type $_1$

Fault $_1$
(improper operand $_1$)

Weakness Type $_2$

Operation $_2$

Operand Fault Type $_2$

Error $_2$

Operand$_1$ Kind
Value $_{1s}$

...

Operand$_5$ Kind
Value $_{5s}$

Mechanism
Value $_{2m}$

Source Code
Value $_{2c}$

Execution Space
Value $_{2e}$

Operand$_1$ State
Value $_{1k}$

Operand$_5$ State
Value $_{5k}$

...

BF Specification of Weakness N

Operand Fault Type $_{N-1}$

Fault $_{N-1}$
(improper operand $_{N-1}$)

Weakness Type $_N$

Operation $_N$

Exploitation Type

Final Error

Operand$_1$ Kind
Value $_{1s}$

...

Operand$_5$ Kind
Value $_{5s}$

Mechanism
Value $_{Nm}$

Source Code
Value $_{Nc}$

Execution Space
Value $_{Ne}$

Operand$_1$ State
Value $_{1k}$

Operand$_5$ State
Value $_{5k}$

Failure Type $_1$

Failure $_1$

...

Failure Type $_f$

Failure $_f$

Bug   Operation   Fault / Error   Final Error   Failure