

Sarah's Fathers

Boyfriend Proportional Response (BPR) Policy (1990) Latest Revision (2008)

Pertinent Background.

In nature, there are neither rewards nor punishments – there are consequences.

Robert G. Ingersoll

It is important to understand the context of this BPR Policy. Sarah's Father has been responsible for the testing and clearance for flight of over 750 aircraft stores combinations for the Australia (Royal Australian Air Force, Army and Naval Aviation), US (Air Force, Navy, Army and Marines) and New Zealand (Air Force). Of these over 250 have been used, repeatedly by these air forces in combat (very) successfully for the servicing of over 25 000 desired mean points of impact (DMPs). This has involved the pragmatic application of risk management and system safety concepts to air armament systems that have had little margin for error and have always been 'safety-critical'. He has also been told that he does not take fools kindly.

Fortunately Sarah's Father has been blessed with a beautiful daughter that is an absolute joy. Therefore this Policy was first postulated when she was born along with the polishing of his two 12 Gauge shotguns.

The Policy has also undergone some revisions with the developments of advanced network enabled air armament systems safety concepts and when he was made Director of the Woomera Test Range wherein he was responsible under the Defence Act 1903 Regulation 35 for the "Testing of War Material" on the 127 000 square kilometres of the Prohibited Area making up the largest land-based test range in the world.

Executive Summary

Nothing can be loved or hated unless it is first understood.

Leonardo Da Vinci, via George J Klir

- I. Any Boyfriend of Sarah accepts complete responsibility for her safety and well being.
- II. Sarah's Fathers Response to any lack of well being or lapses in safety will be out of all proportion to the degree caused/inflicted.
- III. Sarah's Father can guarantee that any physical evidence resulting from application of this policy will either not be ever found or will be untraceable.
- IV. See Rule I.

Key Concepts.

There is no problem that cannot be solved by the suitable application of high explosives or energy.

Sarah's Dad, Gulf War I

We know your GPS Lat, Longitude and altitude – you'll only die tired if you run!

Sarah's Dad, Gulf War II

The following Tables should be used for understand Hazard Matrices and for guidance in the application of the Policy.

Sarah's Father reserves the right to gratuitously raise the response levels non-linearly!

Conclusions

Sarah's Boyfriends should be fully cognizant of their responsibilities in providing for Sarah's safety and well being.

The pen is mightier than the sword
...unless you're one on one.

*Shakespeare
H. Schwartz*

	Severity			
Probability	Catastrophic	Critical Hazardous	Marginal Major	Negligible Minor
Frequent / Probable	EXTREME	EXTREME	HIGH	MEDIUM
Occasional	EXTREME	HIGH	MEDIUM	LOW
Remote	HIGH	MEDIUM	MEDIUM	LOW
Improbable	MEDIUM	MEDIUM	LOW	LOW
Extremely Improbable	MEDIUM	LOW	LOW	LOW

Table 1. Hazard Matrix

Risk Level	Traditional Description	Boyfriend Response Policy
EXTREME	Unacceptable Risk. Imperative to suppress risk to an acceptable level.	Catastrophic to all Suspects, Witnesses, families <u>and</u> their neighbourhoods.
HIGH	Acceptable with risk mitigation strategy. Operation requires written, time limited waiver.	Catastrophic to all Suspects, Witnesses <u>and</u> all their families.
MEDIUM	Acceptable with risk mitigation strategy.	Catastrophic to all Suspects and any Witnesses.
LOW	Expected for Routine in-service operations.	May be expected, but will be Critical to health of any Suspects!

Table 2. Assumed Response Levels Based on Consequence of a Probable Event

Mishap Severity Categories			
Description	Category	Environmental, Safety, Cost and Health Result Criteria	
		<ul style="list-style-type: none"> • Effect on Aircraft & Occupants of failure condition 	
Catastrophic	I	<p>Could result in death, permanent total disability, loss exceeding \$10M, or irreversible severe environmental damage that violates law or regulation.</p> <ul style="list-style-type: none"> • Prevention of continued safe flight or landing of the aircraft • Loss of aircraft and/or fatalities 	
Critical (Hazardous)	II	<p>Could result in permanent partial disability, injuries or occupational illness that may result in hospitalisation of at least three personnel, loss exceeding \$1M but less than \$10M, or reversible environmental damage causing a violation of law or regulation.</p> <ul style="list-style-type: none"> • Reduction of aircraft or crew ability to cope with adverse operating conditions • Large reduction in safety margins • Physical distress or workload such that the flight crew can not be relied upon to perform its tasks accurately or completely • Serious injury or death of a relatively small proportion of the occupants 	
Marginal (Major)	III	<p>Could result in injury or occupational illness resulting in one or more lost work day(s), loss exceeding \$50K but less than \$1M, or mitigatable environmental damage without violation of law or regulation where restoration activities can be accomplished.</p> <ul style="list-style-type: none"> • Reduction of aircraft or crew ability to cope with adverse operating conditions • Significant reduction in safety margins • Reduction in the ability of the flight crew to cope with adverse operating conditions impairing their efficiency • Injury to occupants 	
Negligible (Minor)	IV	<p>Could result in injury or illness not resulting in a lost work day, loss exceeding \$10K but less than \$50K, or minimal environmental damage not violating law or regulation.</p> <ul style="list-style-type: none"> • No significant degradation of aircraft or crew ability • Slight reduction in safety margins • Slight increase in crew workload • Physical effects but no injury to occupants 	
Mishap Probability			
Description	Level	Specific Individual Item	Fleet or Inventory
Frequent	A	Likely to occur often in the life of an item, with a probability of occurrence greater than 10^{-1} in that life.	Continuously experienced.
Probable	B	Will occur several times in the life of an item, with a probability of occurrence less than 10^{-1} but greater than 10^{-2} in that life.	Will occur frequently.
Occasional	C	Likely to occur some time in the life of an item, with a probability of occurrence less than 10^{-2} but greater than 10^{-3} in that life.	Will occur several times.
Remote	D	Unlikely but possible to occur in the life of an item, with a probability of occurrence less than 10^{-3} but greater than 10^{-6} in that life.	Unlikely, but can reasonably be expected to occur.
Improbable	E	So unlikely, it can be assumed occurrence may not be experienced, with a probability of occurrence less than 10^{-6} in that life.	Unlikely to occur, but possible.
Extremely Improbable	-	Unlikely to occur with a probability of occurrence is less than 10^{-9} in that life	Unlikely to occur.

