

PSAM9

Risk Management – An Essential Strategy for Business Success

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1. A Risky Business





Wind Danger

Blaise Pascal

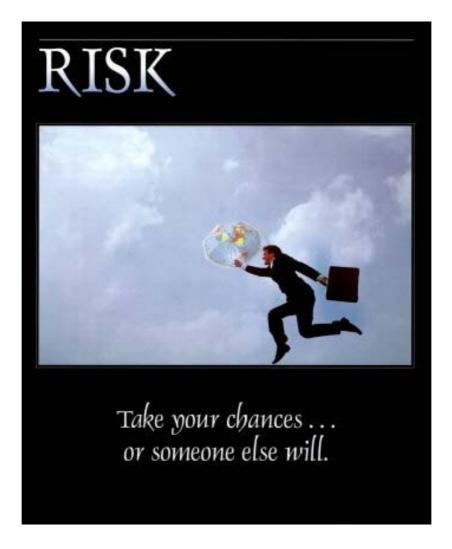


Pierre de Fermat



"Should one bet on the event that within 24 rolls of a pair of dice, at least 1 pair of double sixes would turn up?"

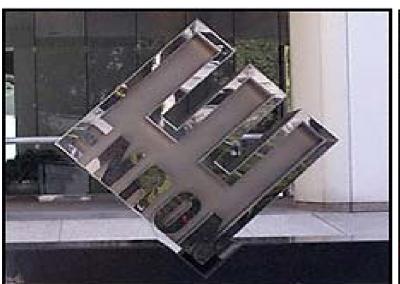
There is no business without risks,



but risks must be managed.



Business Downfalls











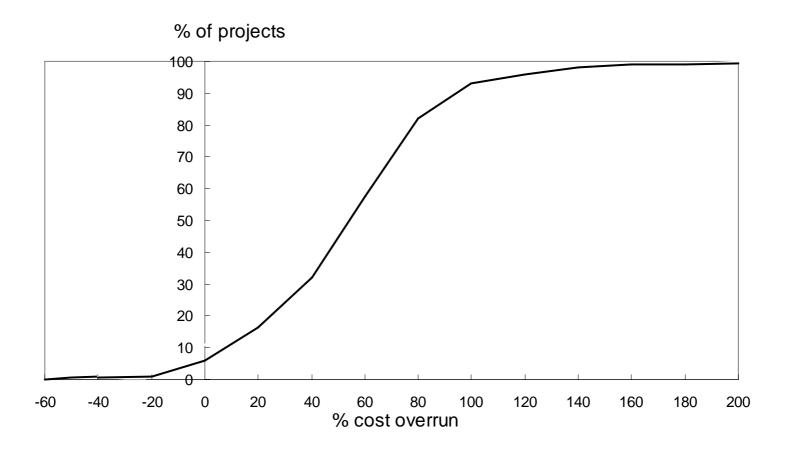
Railway business







% of Railway Projects that suffered Cost Overruns





2. Proactive Risk Mindset



Proactive Risk Mindset



Corporate Governance



Sarbanes - Oxley Act



HKEx Code on Corporate
Governance Practices



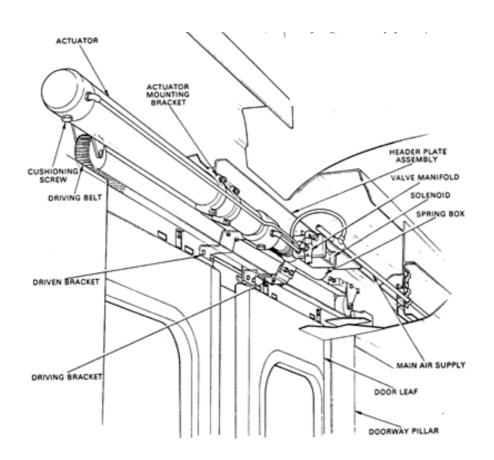


Turnbull Code



Is a proactive risk mindset cultivated among the non-risk experts you work with, and if not why not?

3. Pragmatic Risk Management Processes



1st MTR HAZOP - EMU Door System

Progressive system development



Always apply simple process



i. Risk Identification



iv. Risk Monitoring & Reporting

ii. Risk Evaluation



iii. Risk Mitigation



"Simplicity is complicated"



Does the organisation you work for operate a simple and effective system that will encourage rather than deter the application of common sense risk management?

4. Integral Part of Decision Making



"Those who triumph compute at their headquarters a great number of factors prior to a challenge. Little computation brings defeat. How much more so with no computation at all!"

- Sun Tzu c. 490 BC, Chinese military strategist



Safety Risk Management

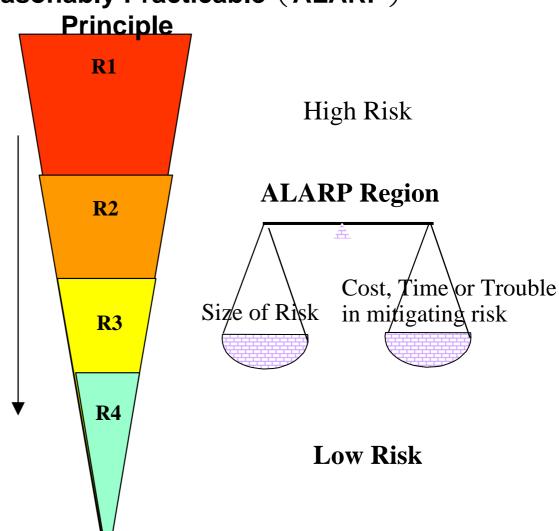
As Low As Reasonably Practicable (ALARP)

Must be reduced save in exceptional circumstances

Must be reduced if it is reasonably practicable to do so

Tolerable but should be further reduced if it is cost effective to do so

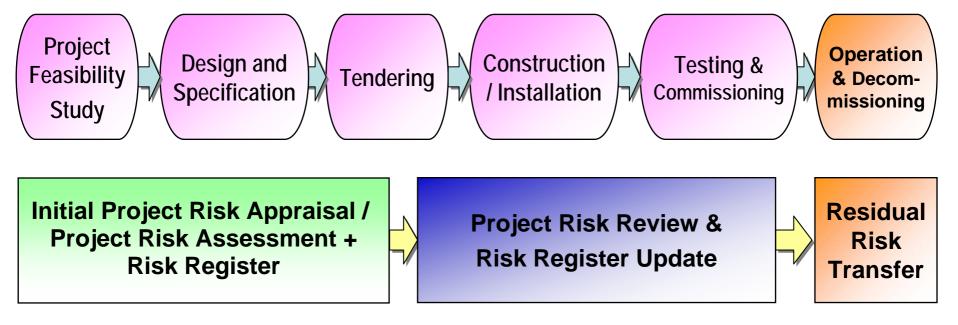
Acceptable



5/27/2008

Project Risk Management

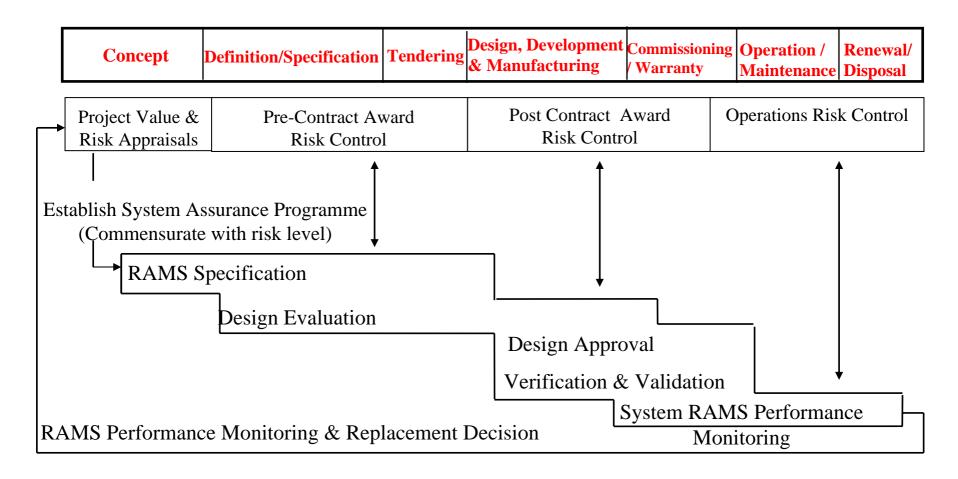
Life Cycle Process



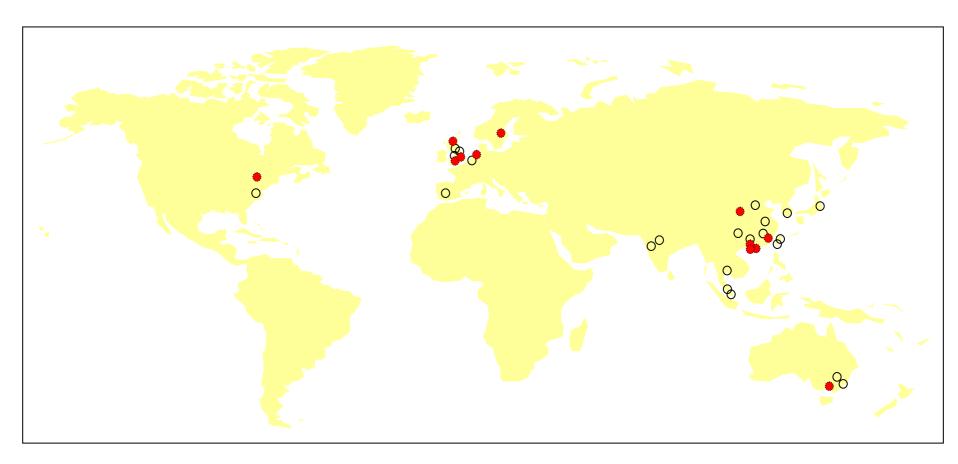
Service Risk Management

Criticality Rating	Definitions	Line Disruption	Station-wide Disruption
C1	Significant loss of revenue; high public attention; customer will make serious complaints	A few hours	1 day
C2	Some loss of revenue; medium public attention; customers will likely make complaints	> 20 ~ 60 min	A few hours
C3	Marginal loss of revenue; limited public attention; customers may feel mild frustration	≥ 5 ~ 20 min	≥ 5 ~ 20 min
C4	Insignificant loss of revenue; no public attention; customers can normally tolerate	2 ~ < 5 min	2 ~ < 5 min

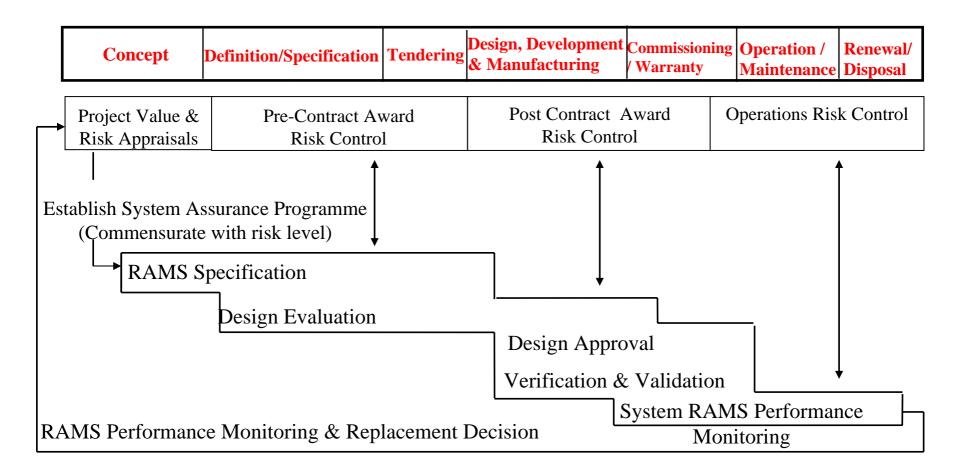
Risk-Based Integrated System assurance Framework



Risk-Based Integrated System assurance Framework Tested and tried; Applied worldwide



Risk-Based Integrated System assurance Framework



Has your organisation enabled all decision makers with risk competency and a system of support?

5. Bottom Line Driven

Non Financial Bottom Lines

Safety



Customer service



Reputation/ Brand name



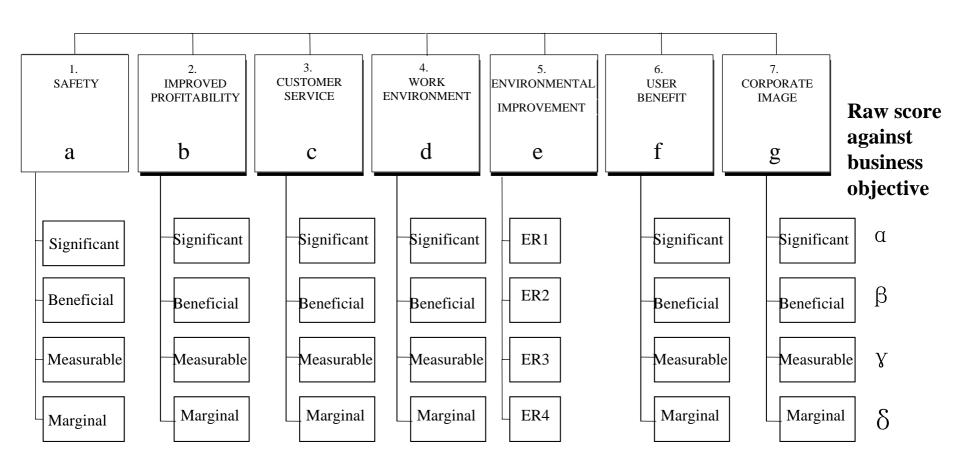
Political





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Value Assessment System



Value Assessment System

- Prompts more consideration for
 - value for money
 - relevance to business objectives
 - alternative solutions
- V1 -V4; V1 being very high value project
- Safety carries high score



Will your effort in developing or applying risk processes support business success?

6. No Sitting on the Track

"Even if you are on the right track, you will get run over if you just sit there."
- Will Rogers



These questions need to be answered if you are to be heard

- Proactive risk mindset cultivated among the non-risk experts?
- Simple and effective system that will encourage rather than deter the application of common sense risk management?
- Decision makers enabled with risk competency and a system of support?
- Risk processes support business success?

