

IMPLEMENTING SMS AT PACIFIC FLYING CLUB



Pacific Flying Club

- ▣ Fleet consists of:
 - ▣ 25 single engine aircraft
 - ▣ 2 Twin engine aircraft
 - ▣ 3 Simulators
 - ▣ 33 staff members

Providing flight training, aircraft rental and aircraft maintenance.

PFC's SMS

System was developed in 2006
by myself and Claudio Lerner who had extensive
experience designing ISO9000 programs.
Approx 500 man hours in development time.

No rules exist for Part 4 operations.

Why?

Conversation with other schools

Cost savings

Retention of knowledge

Prevention

Training

Challenges

Initial staff buy in
Time (approx 5 hrs week)
Training new staff
Getting information out
Keeping system active
Having people report their occurrences
Costs of staff time

SMS committee

SMS manager

Instructor Rep

Maintenance Rep

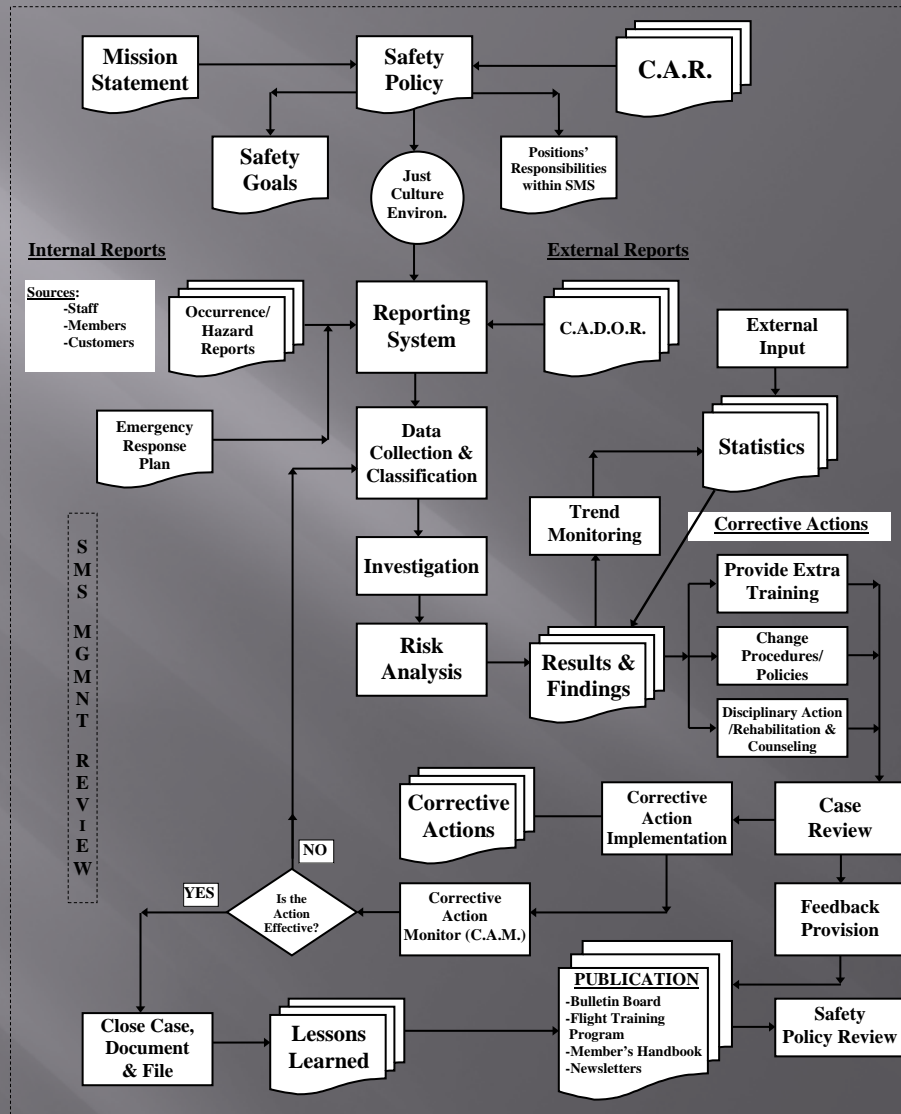
Board of Directors Rep

Dispatch Rep

Student Rep

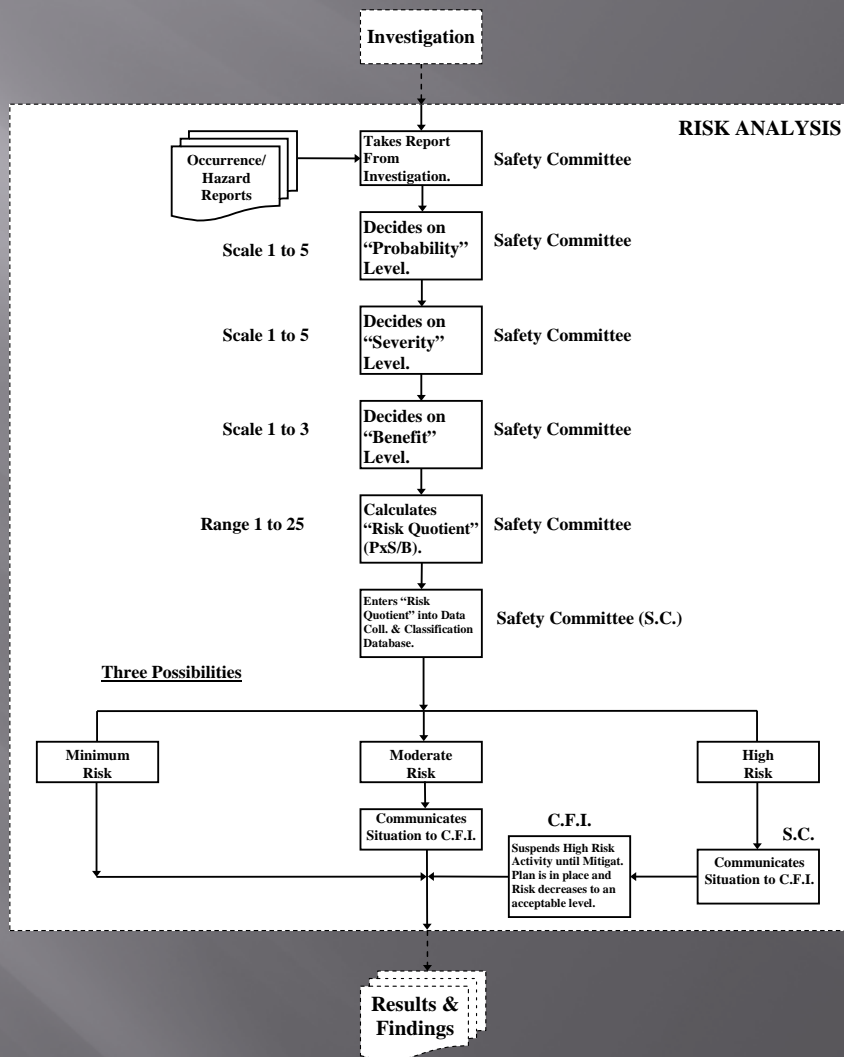
Appendix 1

SMS - System Components & Interrelationships



Appendix 10

SMS - Risk Analysis



Risk / Benefit

RISK ASSESSMENT

RISK QUOTIENT GRAPH

Benefit Factor: 1 (Negligible)

P R O B A B I L I T Y	5 Very Likely	5	10	15	20	25
	4 Likely	4	8	12	16	20
	3 Probably	3	6	9	12	15
	2 Possibly	2	4	6	8	10
	1 Unlikely	1	2	3	4	5
		1 Negligible	2 Minor	3 Moderate	4 Serious	5 Critical

SEVERITY

Greater Benefit

RISK ASSESSMENT

RISK QUOTIENT GRAPH

Benefit Factor: 2 (Serious)

P R O B A B I L I T Y	5 Very Likely	2.5	5	7.5	10	12.5
	4 Likely	2	4	6	8	10
	3 Probably	1.5	3	4.5	6	7.5
	2 Possibly	1	2	3	4	5
	1 Unlikely	0.5	1	1.5	2	2.5
		1 Negligible	2 Minor	3 Moderate	4 Serious	5 Critical

SEVERITY

Reports and out comes

Number of reports controls the Value of trend monitoring.

Discussion between schools to share data, Trends and outcomes.

PFC's SMS receives 200-250 Reports per year

Gains?

Initial system will shows big gains in Safety.
As the system matures the gains appear less.
(Harder to get the big wins)
This may cause management to loose focus.

Not properly secured in a wind storm



Simple system

Track occurrences with a spread sheet

Still need Risk Analysis

Still need CAP

Still need follow up

Small amount of Data

Scalable?

Will a Simple system work?

People to discuss occurrences with

Amount of Data in a small system

Available time for SMS

Cost of time

Data pool

Must be de-identified

Must be from similar companies

Cannot be used by outside originations

Needs to contain follow up

CAP

Published information

On line Safety Committee

Discussing reports to help increase depth of knowledge in smaller companies.

Approved users

Secure site

Agreements in place to prevent abuse of system.

Lots of work to be done

Forcing SMS doesn't work

There could be incentives to start an SMS
(change in Audit Cycles, insurance breaks)

SMS works and is worth the effort

But the small operator is still going to be a
challenge

Any Questions?