This slide presentation has been produced by the UKFSC, as a model for you to tailor to meet the need of your company's Safety Management System.

To modify it simply:

- Replace the UKFSC logo with your company logo.

- Insert your company name in the text where required.

- Modify any of the wording to accommodate your own and your company's style as required.
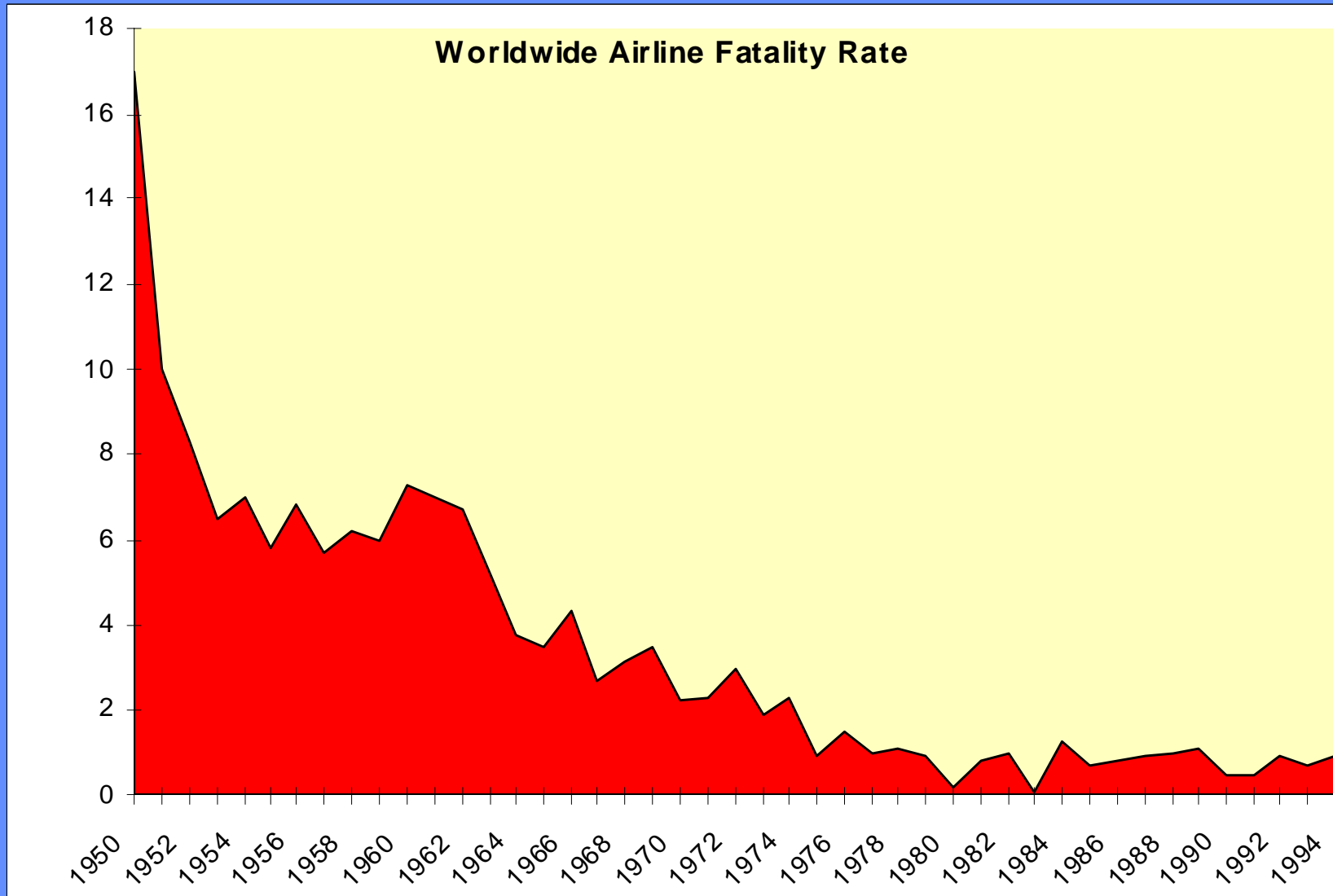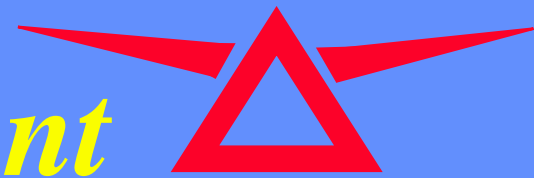
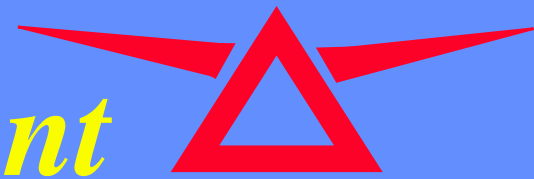- Add the transitions you desire.

Safety Management
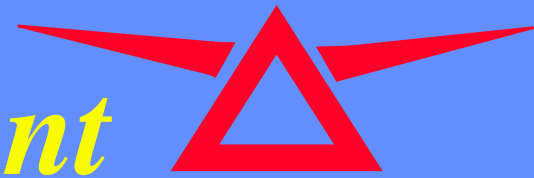
General Introduction

Safety Management Overview

Safety Management
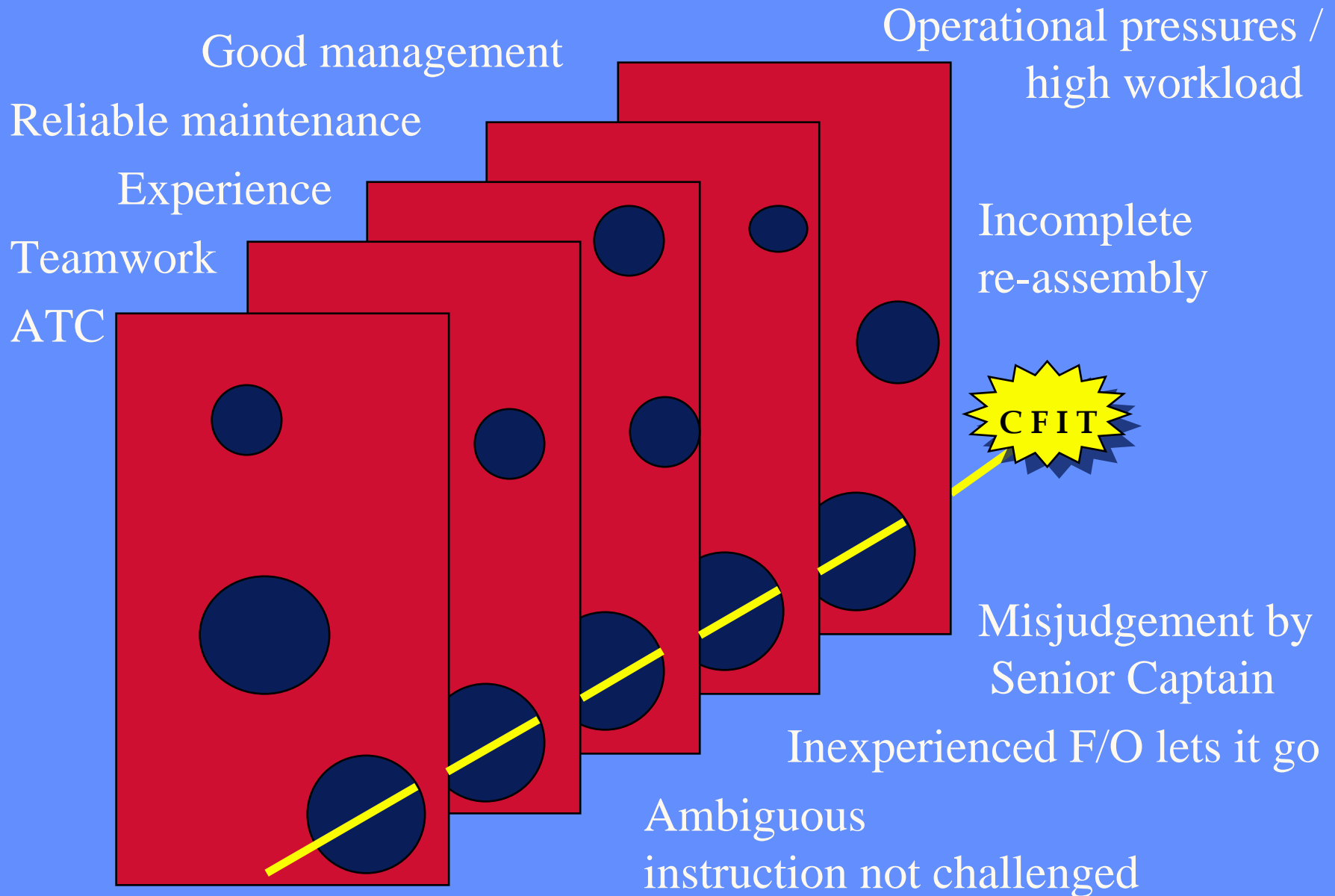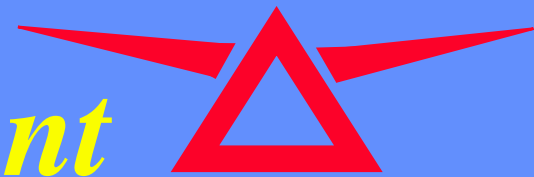

Worldwide Airline Fatality Rate

Safety Management
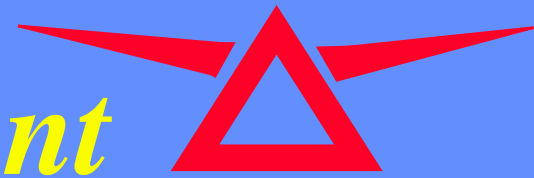
- Controlled Flight Into Terrain (CFIT)
- Loss of Control
- Approach and Landing
- Human Factors

Safety Management

Good management

Reliable maintenance

Experience

Teamwork

ATC

Operational pressures / high workload

Incomplete re-assembly

CFIT

Misjudgement by Senior Captain

Inexperienced F/O lets it go
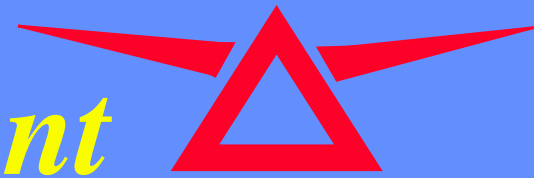
Ambiguous instruction not challenged

Safety Management

The four major causes of accidents world-wide are of fundamental importance to us all.

But we need to look at the major threats to us to evaluate our dynamic safety.
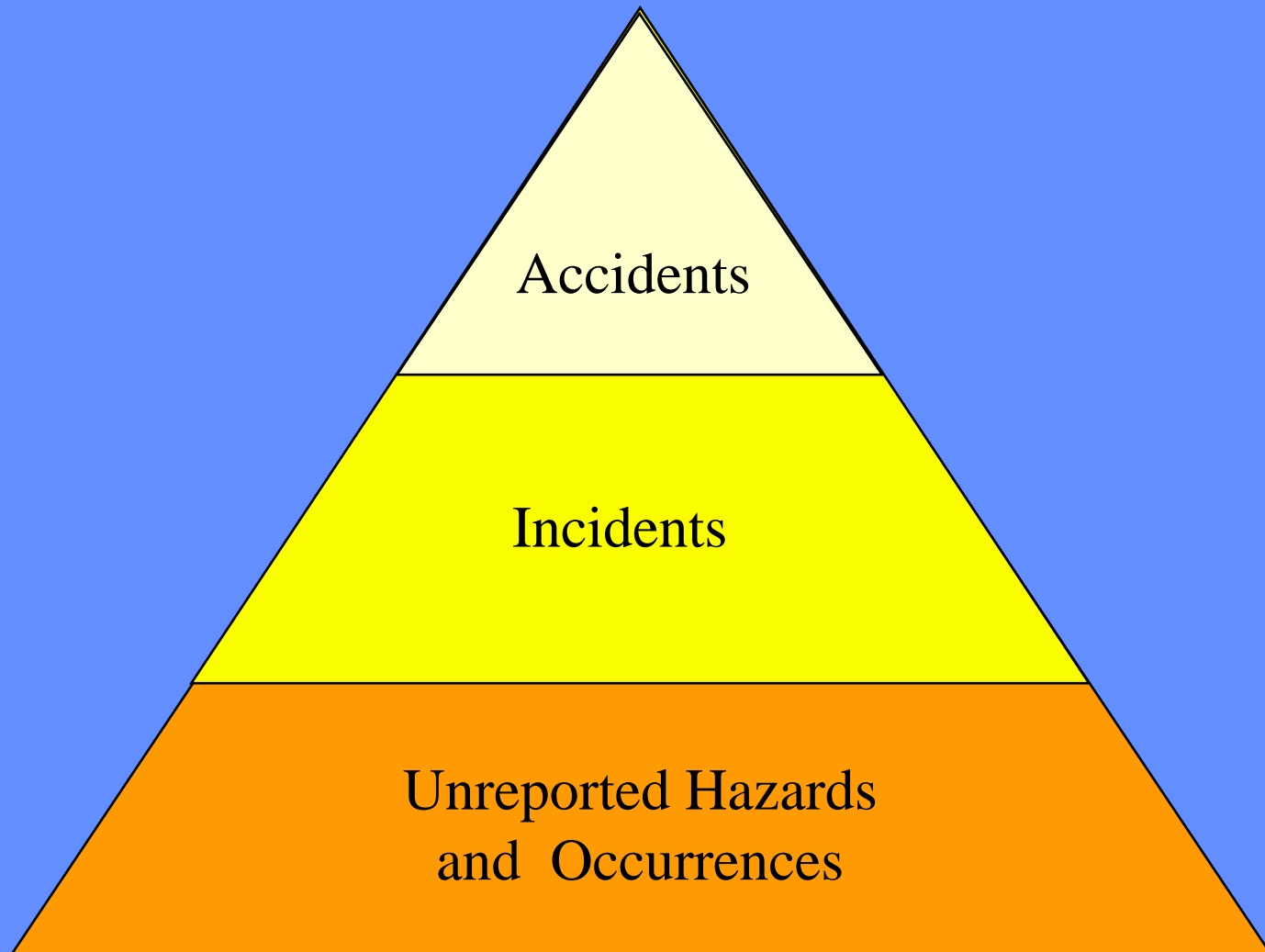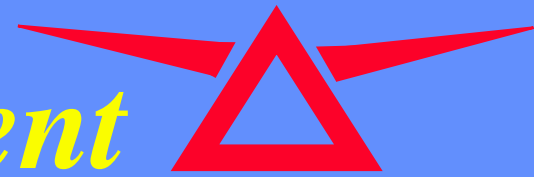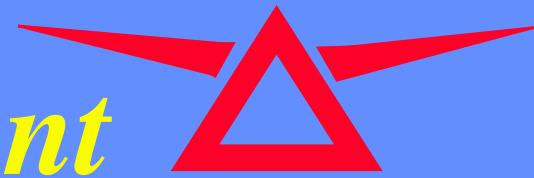
Safety Management

We are never going to get there by just continuing to investigate the last accident.

We are going to have to start looking beneath the surface to see where the next hazard is lurking.
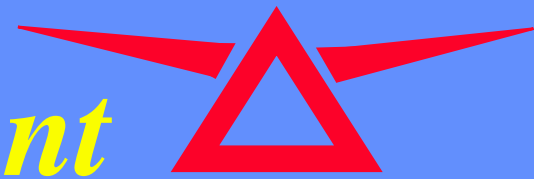
Safety Management

Accidents

Incidents

Unreported Hazards
and Occurrences

Safety Management

- Inadvertent

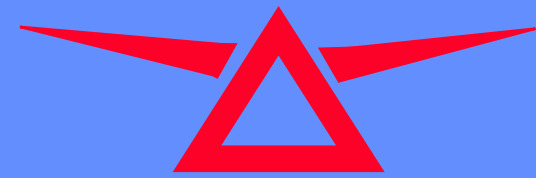- Possibly Life Threatening

- Happen Repeatedly
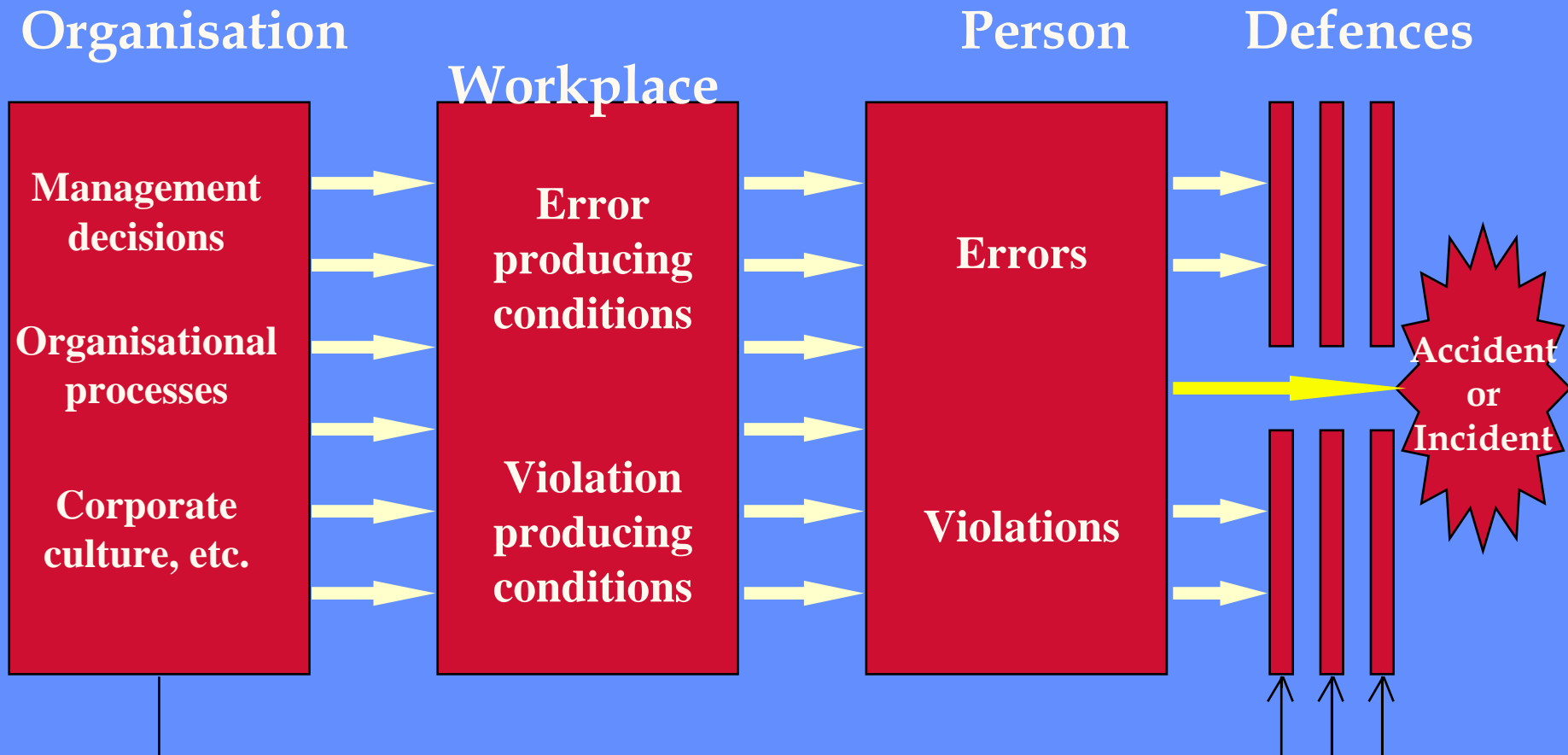
Safety Management

- The CAA could Regulate More ?
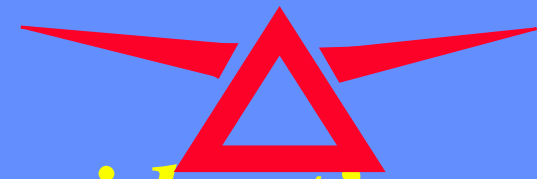
- We could Punish More ?

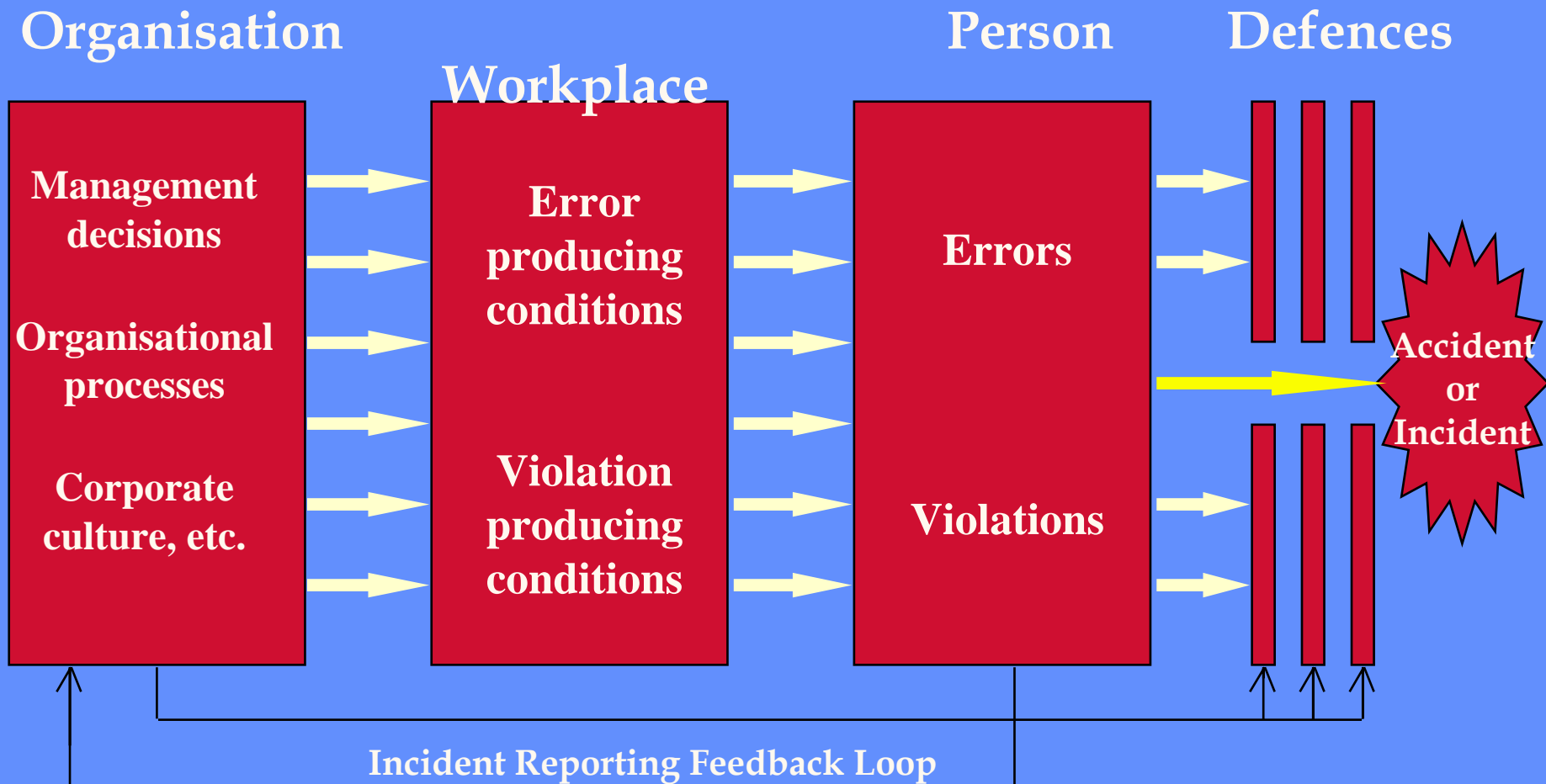- Increase Training ?

OR

- Share Information to Fix the System

The 'Organisational Accident'

The 'Organisational Accident' and Incident Reporting

Organisation

Workplace

Person

Defences

Organisation	Workplace	Person
Management decisions	Error producing conditions	Errors
Organisational processes		
Corporate culture, etc.	Violation producing conditions	Violations

Accident or Incident

Incident Reporting Feedback Loop

Safety Management
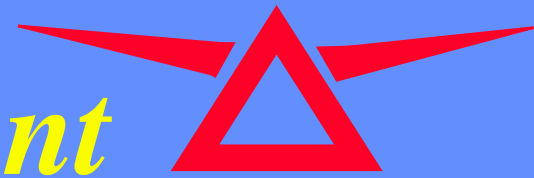
Hazard Identification

Air Safety Reports (ASR)

Confidential Reports (HFR)
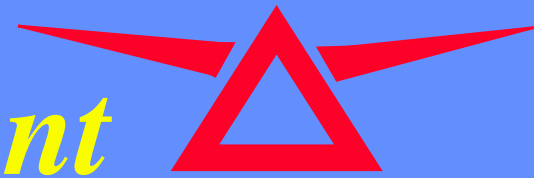
Flight Data Recording (OPTIC)

Shared Information (BASIS, GAIN...)

Safety Management

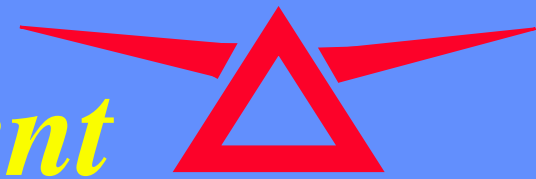What are the vital elements of a
Safety Management System?

Safety Management

Safety Management System

- Safety Policy promoted and supported by the Accountable manager
- Safety Case
- Safety Culture
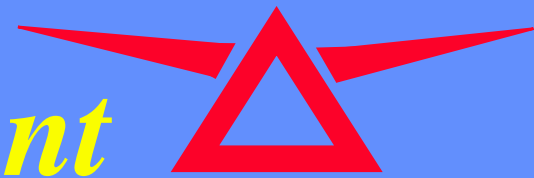- Quality System

Safety Management

Safety Policy

An airline commitment to Safety within the public arena...

Policies and Procedures must be established and adhered to where ever they affect Safety.
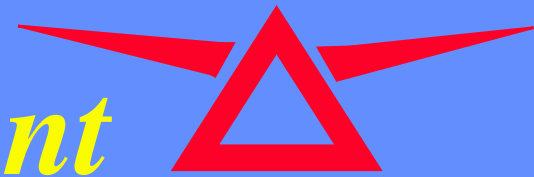
Safety Management

Safety Case

This is an appropriate process for **Hazard Identification** and conducting a **Risk Assessment**.

It is each departments responsibility to consider the impact of possible occurrences to the Safety of the Airline.
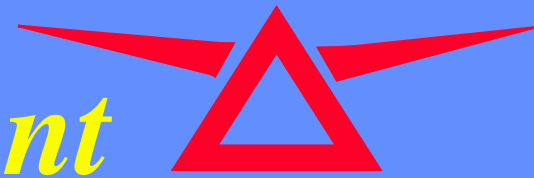
Safety Management

Safety Case

S E V E R I T Y	High	C	B	A
	Medium	D	C	B
	Low	E	D	C
		Low	Medium	High

PROBABILITY OF RECURRENCE
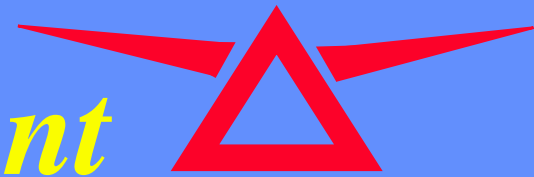
Safety Management

Safety Culture

This is an awareness of safety by individuals <u>at all levels</u> within the Company.

It can only be established from the top.

<u>From All of Us</u>
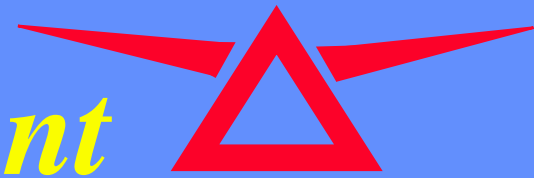
Safety Management

Quality System

Having carefully defined the procedures it is important to ensure that checks on the integrity of these procedures are undertaken regularly.

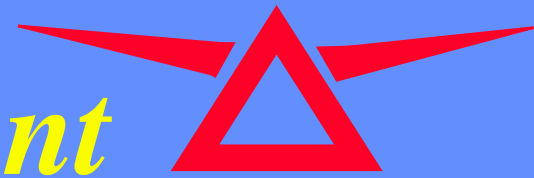We already have a "robust" Quality System.

Safety Management

Safety Management System

- Visible commitment from the top
- Safety Case embracing
  - Hazard Assessment
  - Risk Analysis
- Well developed Safety Culture
- Robust Quality System
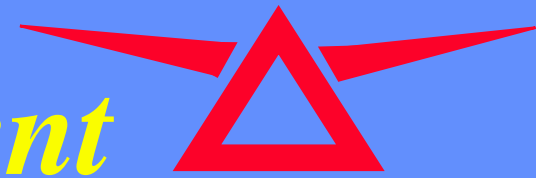
Safety Management

Benefit

A safe system of working with clear lines of responsibility and accountability.

Concentrating resources and effort in the high risk areas.

Improves Safety and Reduces Costs.

Safety Management

Shell Aircraft Limited

An example of a company with
a systematic approach to
safety management system