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Setting the Scene

Safety Survey and Role in Safety Management

ES2-WS03-12, IANS

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Where we are - few definitions



“Safety is the state in which the risk of harm to persons or of property damage is reduced to, and maintained at or below, an acceptable level through a continuing process of hazard identification and risk management.”

Safety is defined as ‘freedom From accidental injury,’ which can be achieved by ‘Avoiding injuries or harm to patients from care that is intended to help them.’



Industrial safety can be defined as the ability to manage the risks inherent to operations or related to the environment. Industrial safety is not a dislike of risks; rather it is a commitment to clearly identify them in relation to production operations, assess them in terms of quality and quantity, and manage them.

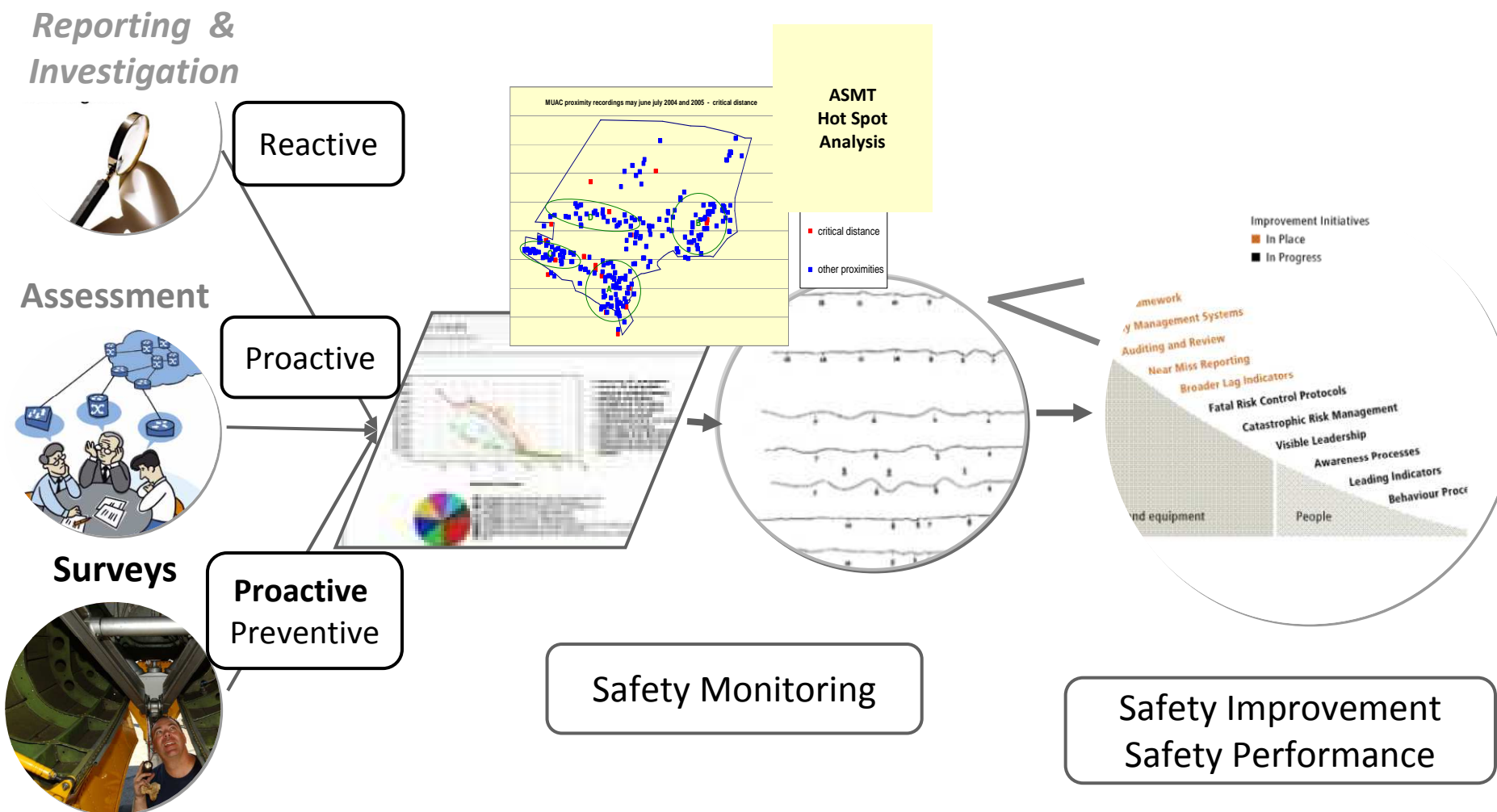




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Today's Best Practices in Service Provision





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Why Safety Survey

“Senior management were too easily satisfied that the...system was being operated correctly, relying on the absence of any feedback of problems as indicating that all was well.” [\[1\]](#)

[\[1\]](#) The Hon Lord Cullen, ‘Public Inquiry into the Piper Alpha Disaster’ (Department of Energy, London: HMSO, 1990). p33.

That being

The frequency is 1 failure in 10.000 events

This means 9.999 non failures in 10.000 events



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Stage

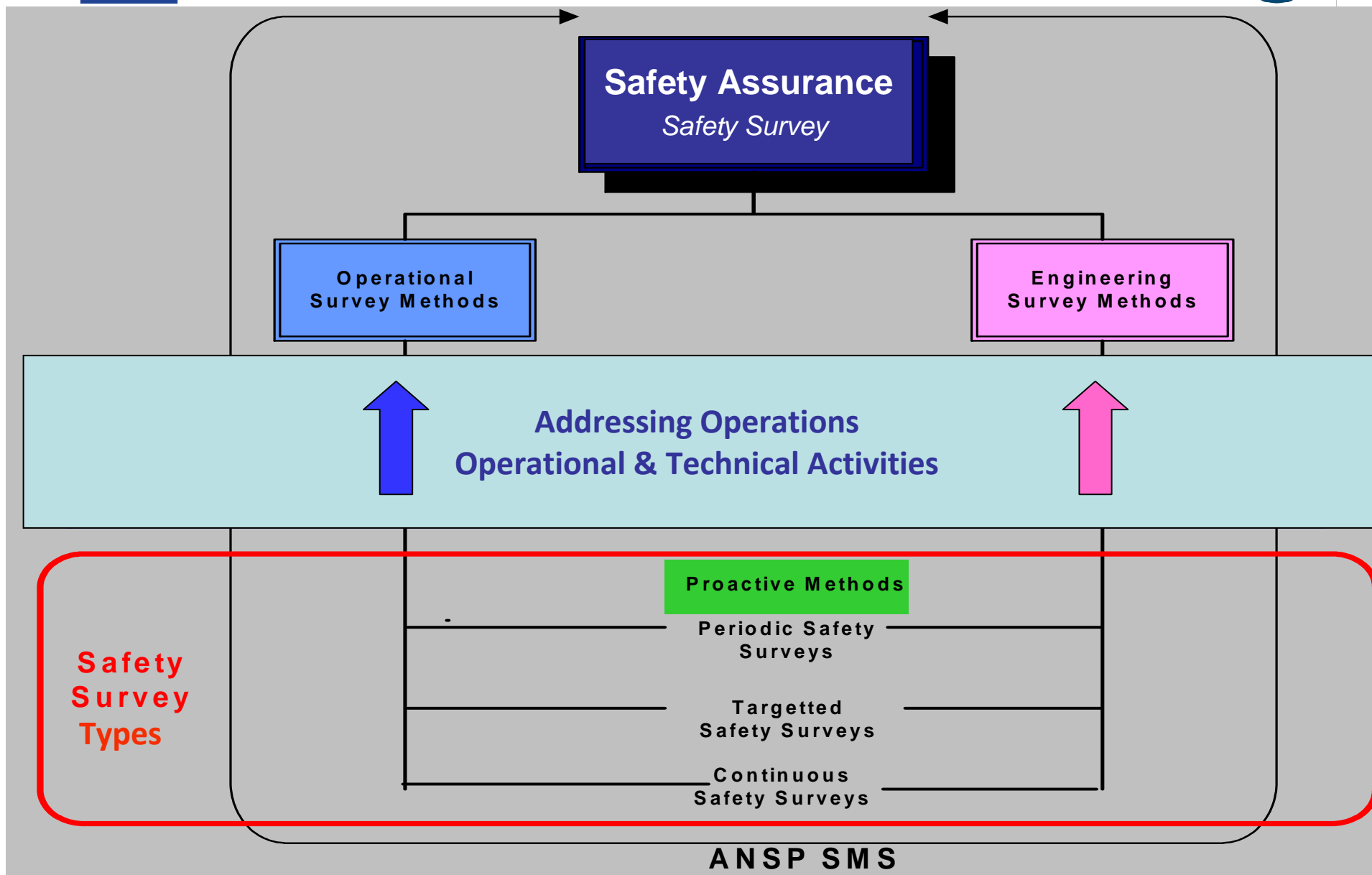


Backstage!



Internal View

Visibility ?

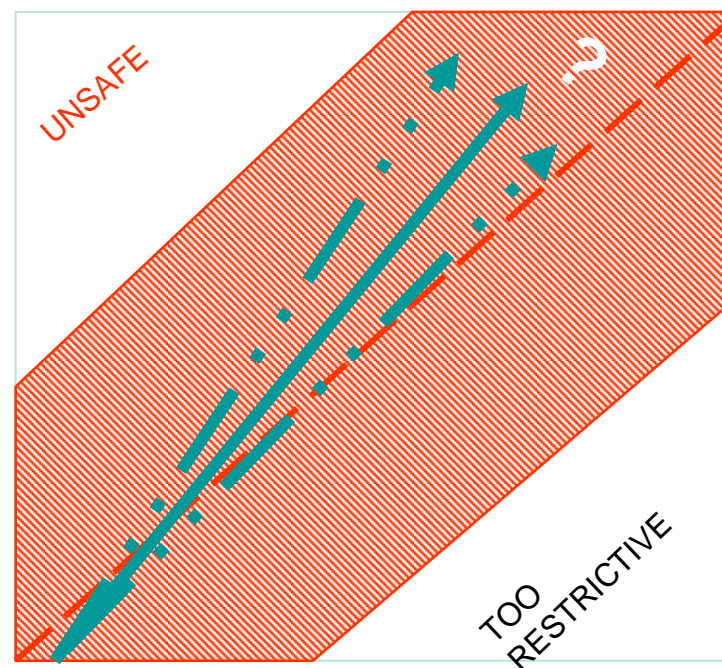
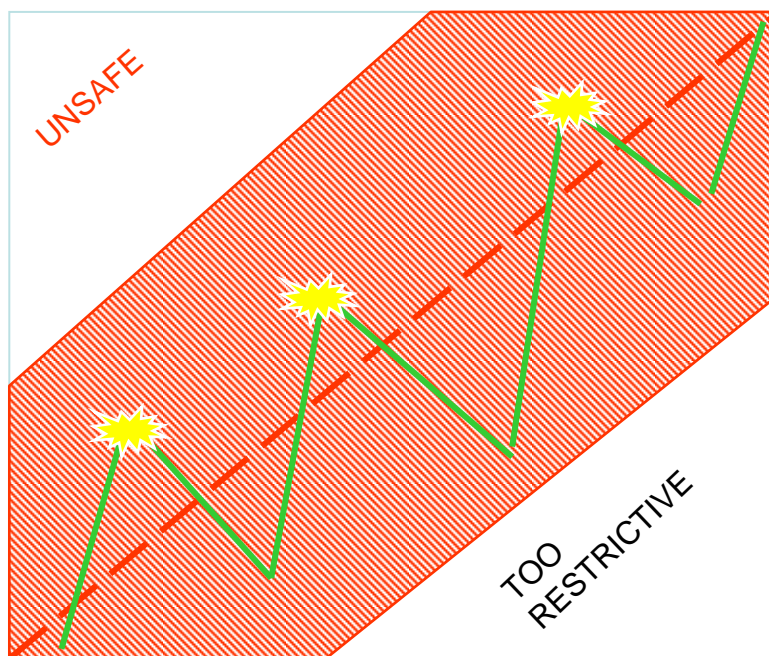
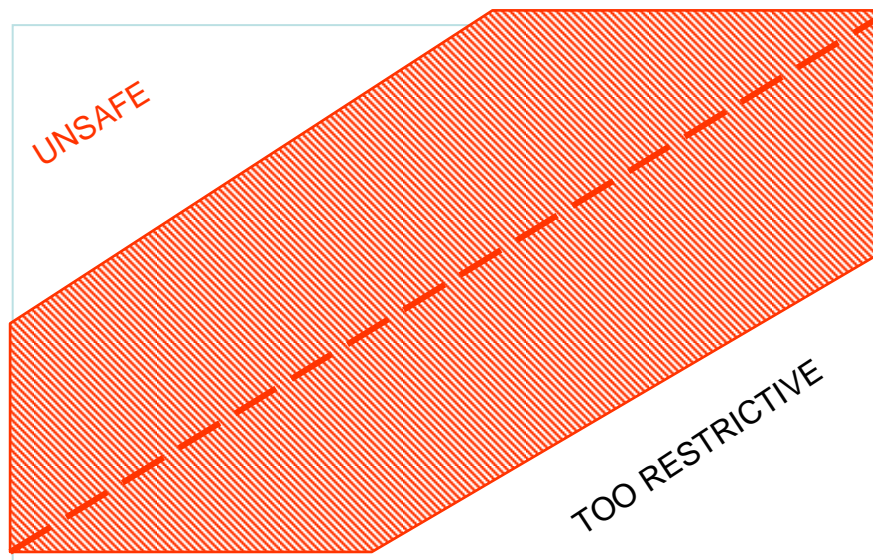


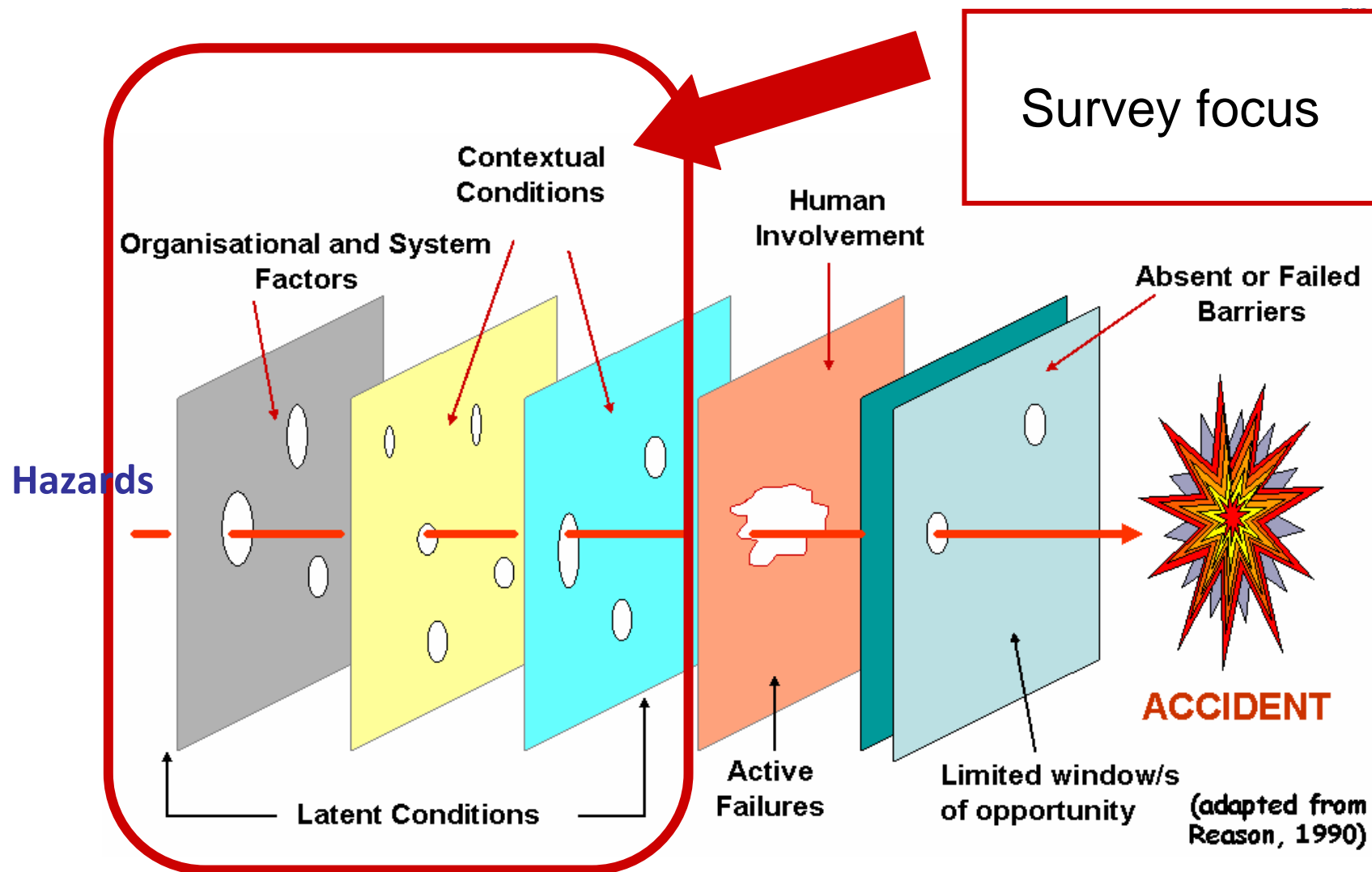


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Rationale





Successive layers of defences, barriers, & safeguards



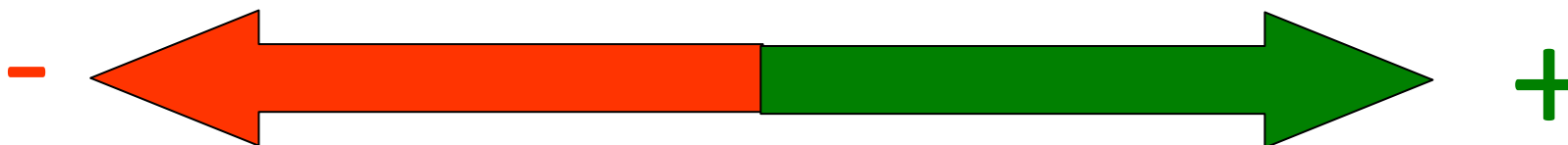
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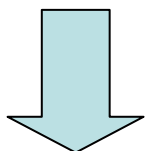
We need More and would like to add : From Negative to the Positive Safety

Negative outcomes are caused by failures and malfunctions.

All outcomes (positive and negative) are due to performance variability.

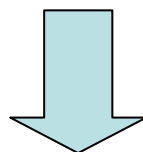


Safety = Reduced number of adverse events.



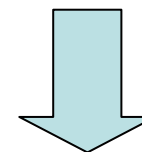
Eliminate failures and malfunctions as far as possible.

Safety = Ability to respond when something fails.



Improve ability to respond to adverse events.

Safety = Ability to succeed under varying conditions.



Improve **resilience**.
Designing for **success**

The goal of Positive Safety is to **increase** the number of things that **go right**, by enhancing the abilities to respond, monitor, learn, and anticipate, thus change in mindset how we perceive safety



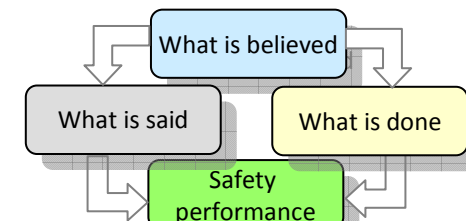
Safety Surveys types that will be developed by Speakers vs positive safety

- ☐ Effectiveness of SMS : Commonalities with SMS Safety Surveys, application and role of EASA visits
- ☐ Benefit to introduce D2D surveys, an approach to Operational Safety Surveys, what is gained differently from other SMS procedures (e.g. Investigations) and how it is different from an audit
- ☐ EUROSS, application of safety survey as a routine Observation
- ☐ Tools for improving safety surveys
- ☐ Use of safety survey for ATM Building cases
- ☐ Application of cooperation between ANSPs to perform international Audits, FAB context
- ☐ Training Safety Surveys, evolution or revolution



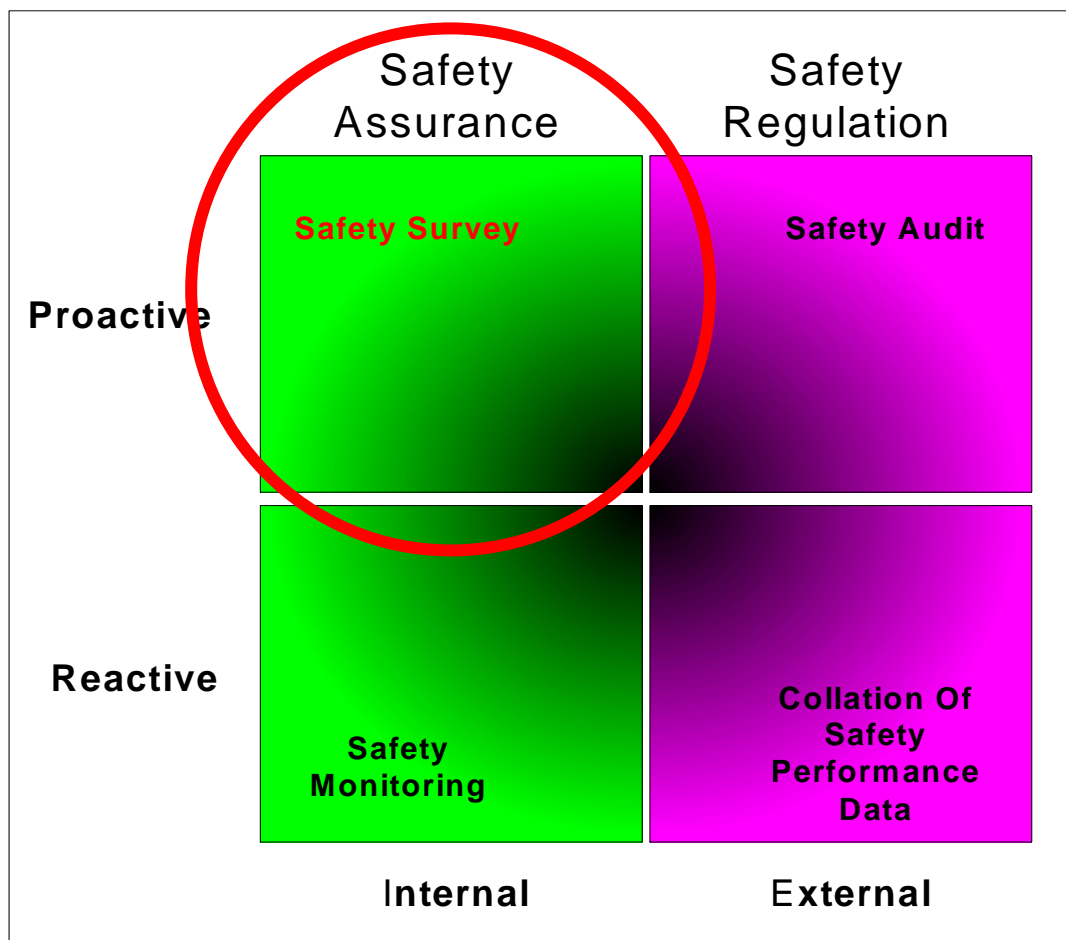
SMS does not tell you the right decision

We know: we need
more....





SMS, QMS and SecMS – Commonalities and Best Practices



Taking the opportunity to saving time and resources looking at commonalities/overlaps between Management Systems

What about conflicts between Management Systems ?



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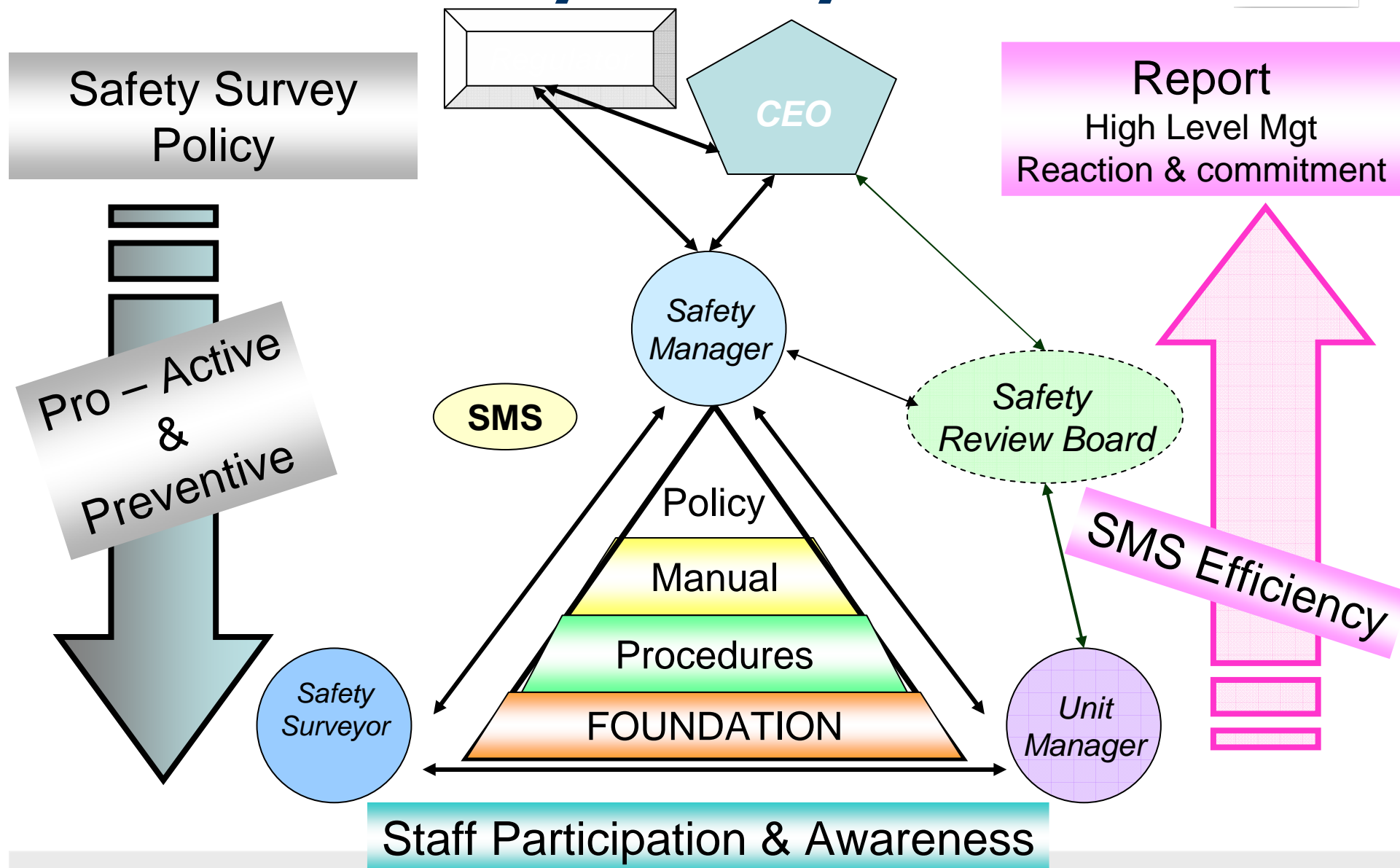
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What is Safety Survey

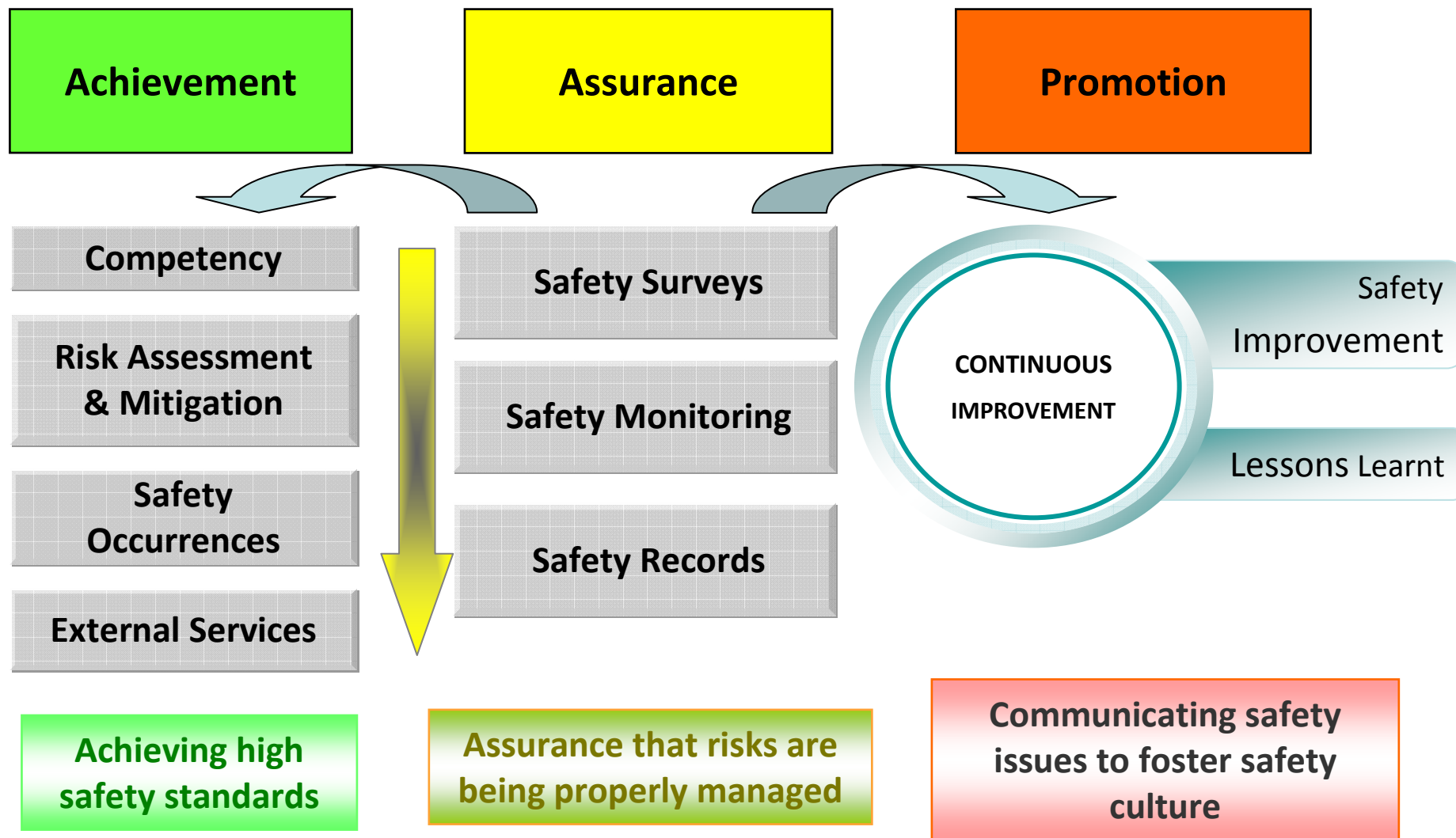




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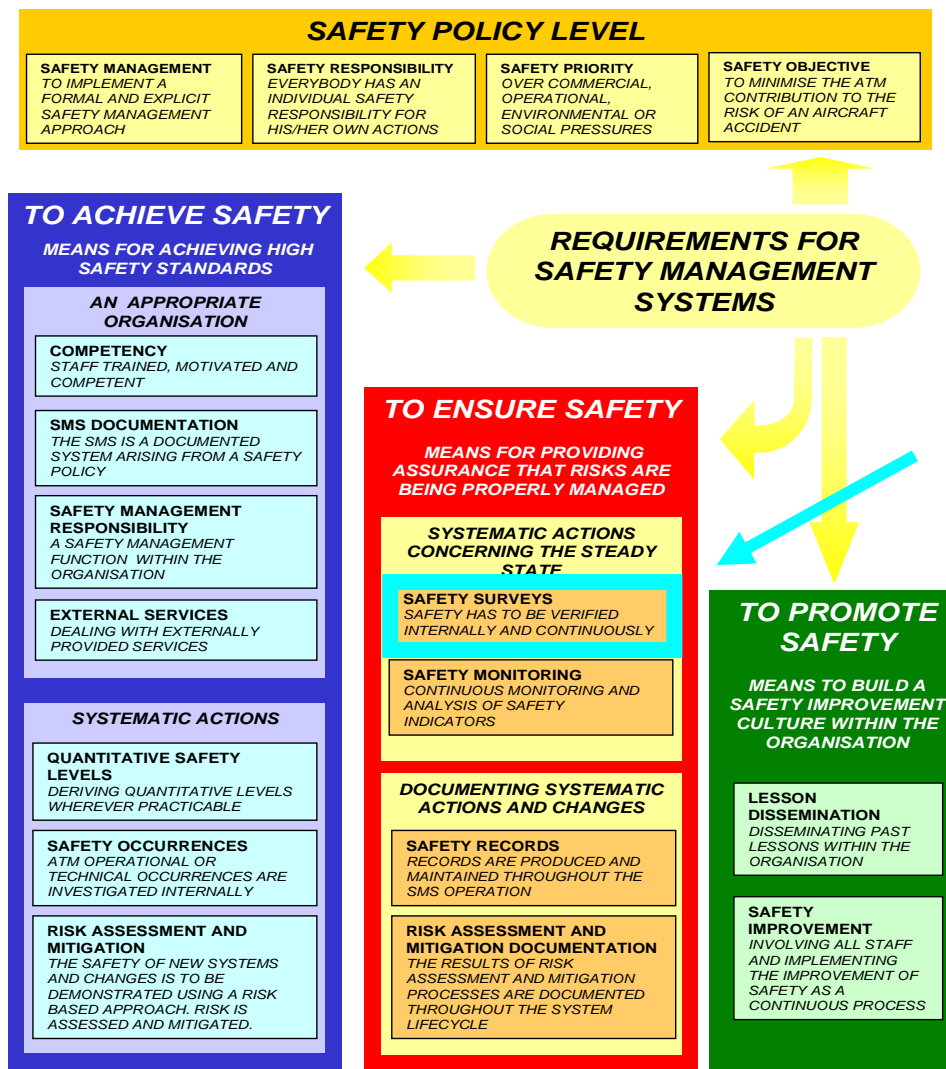


What is Safety Survey





Safety Survey as Part Of SMS



Safety Surveys

Safety has to be verified internally and continuously

Figure - Safety Management System Requirements