

Transportation Safety Board
of Canada



Bureau de la sécurité des transports
du Canada

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Annual Report to Parliament 2008-2009

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International Standards
and Recommended Practices



Annex 13
to the Convention on
International Civil Aviation

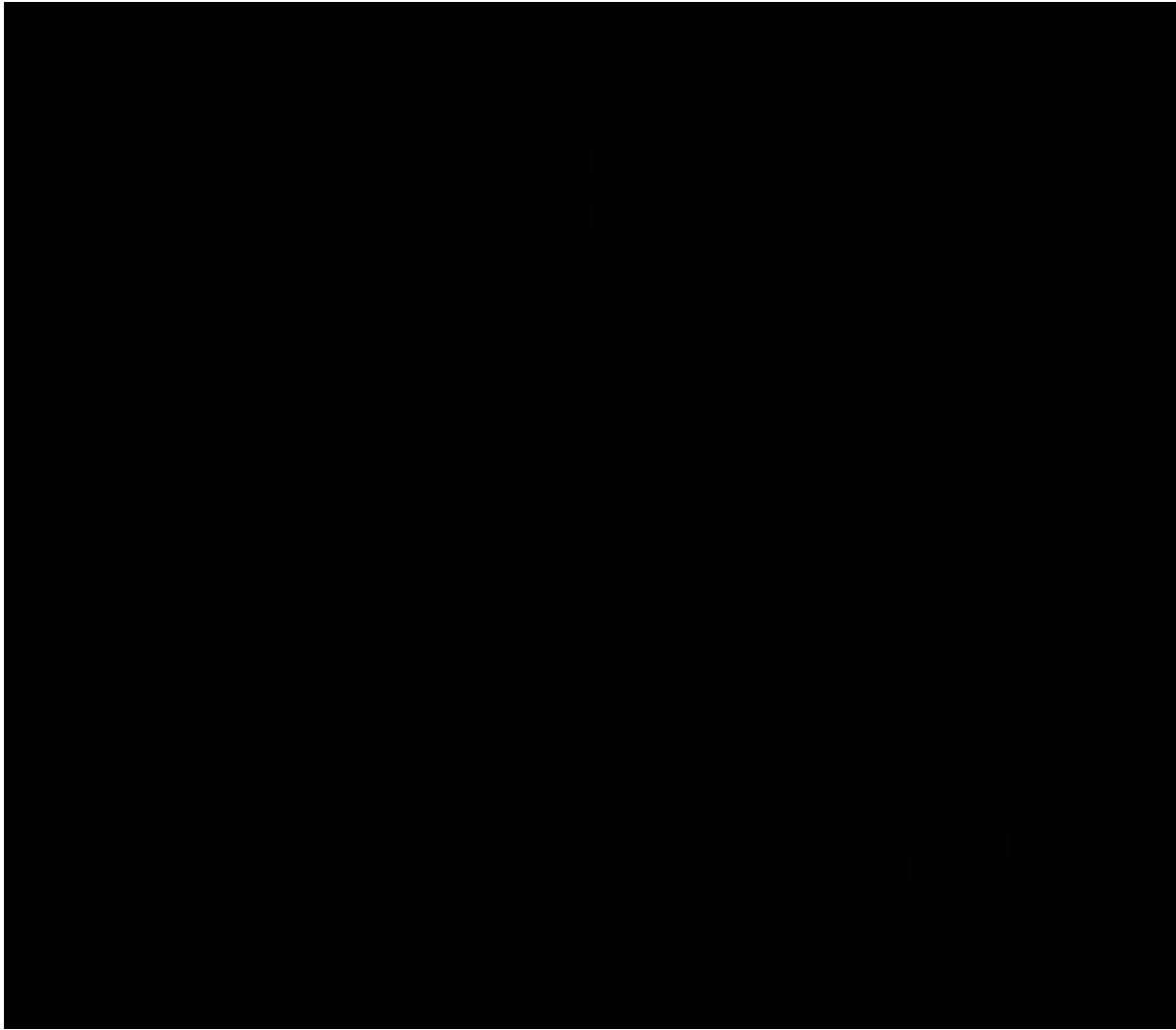
Aircraft Accident and Incident Investigation

This edition incorporates all amendments adopted by the Council prior to 27 February 2001 and supersedes, on 1 November 2001, all previous editions of Annex 13.

For information regarding the applicability of Standards and Recommended Practices, see Chapter 2 and the Foreword.

Ninth Edition
July 2001

International Civil Aviation Organization



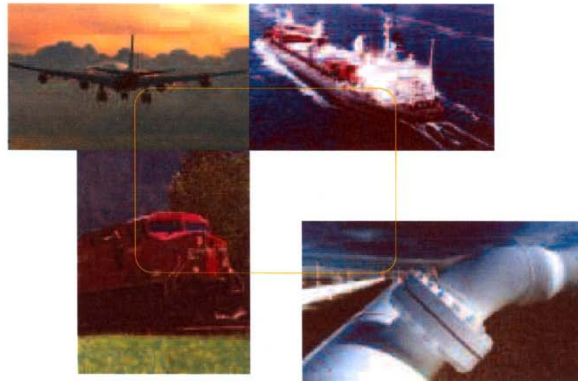
**SEE
EXHIBIT/P-00005
FOR
VIDEO PRESENTATION**

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Investigation Process



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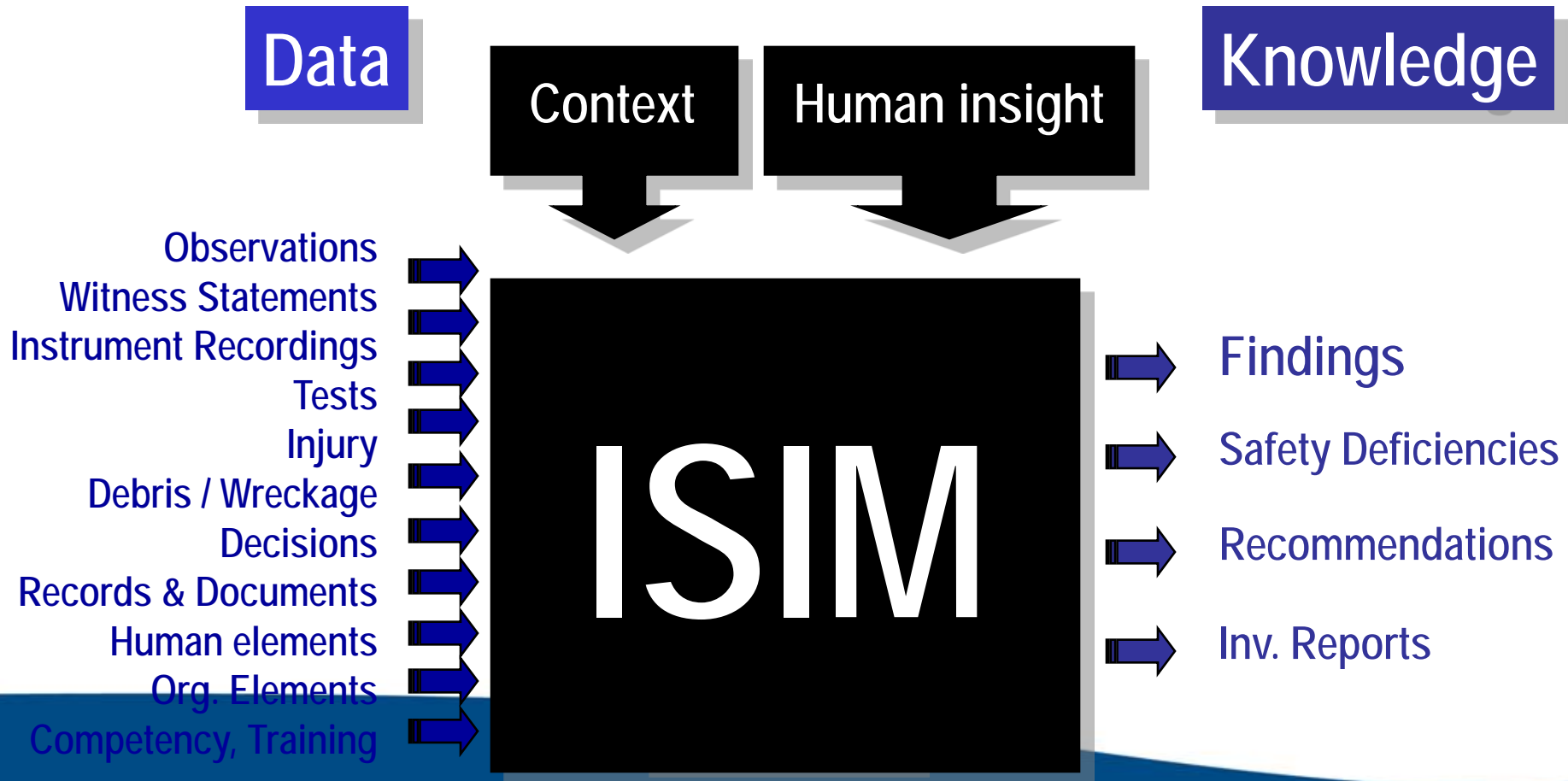
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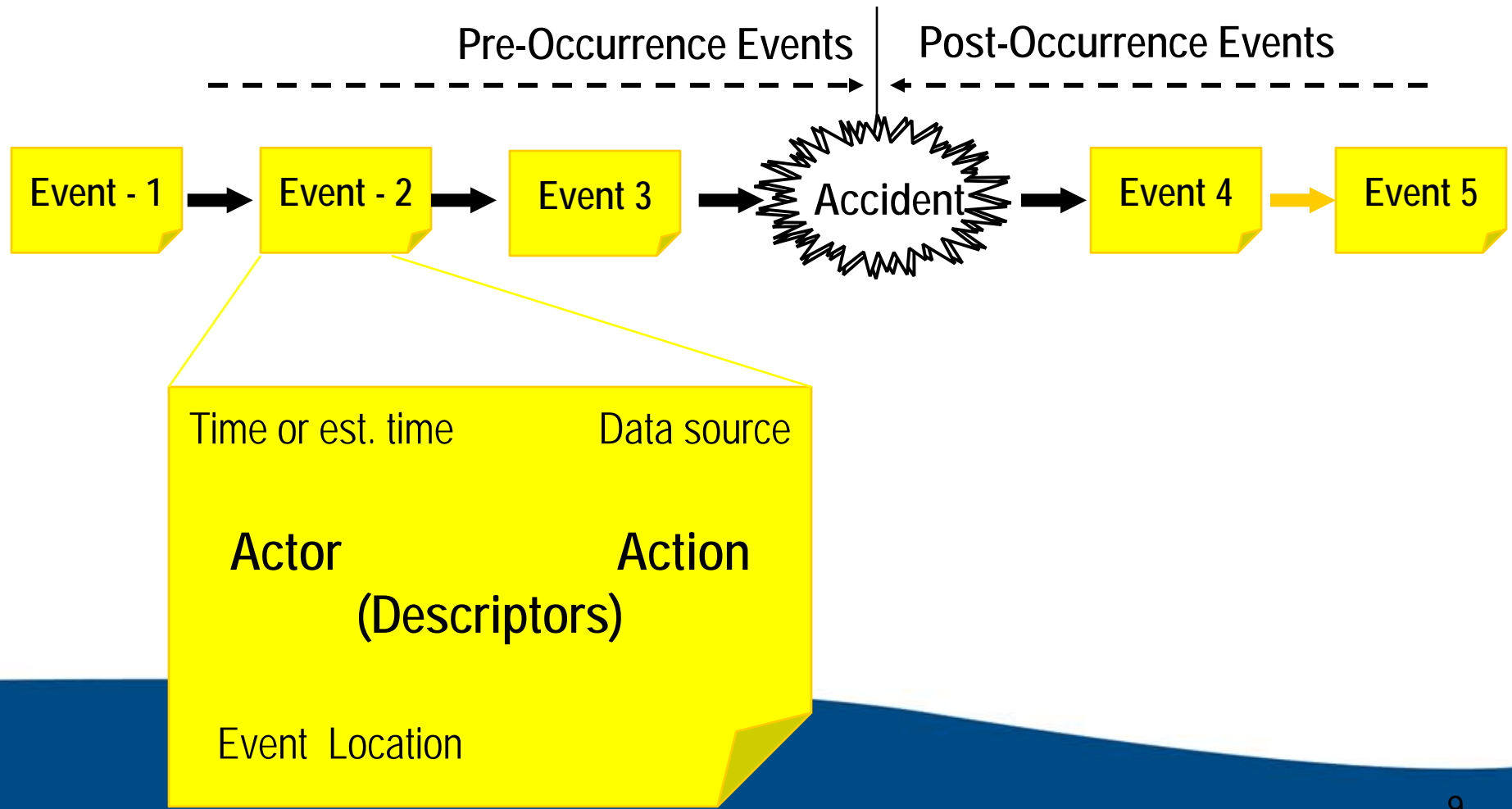


ISIM – The Big Picture

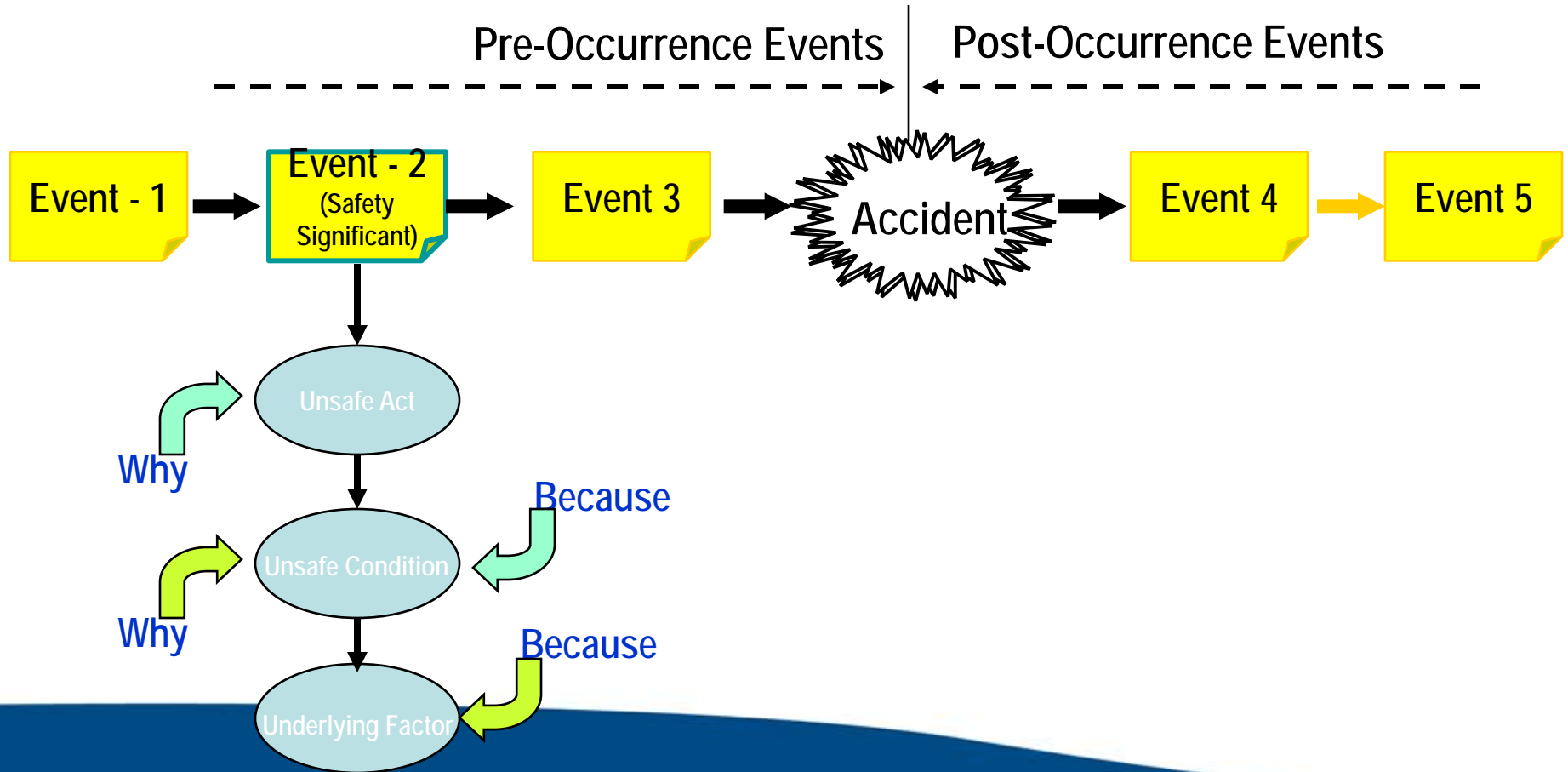
A TSB tool to derive safety knowledge from accident data



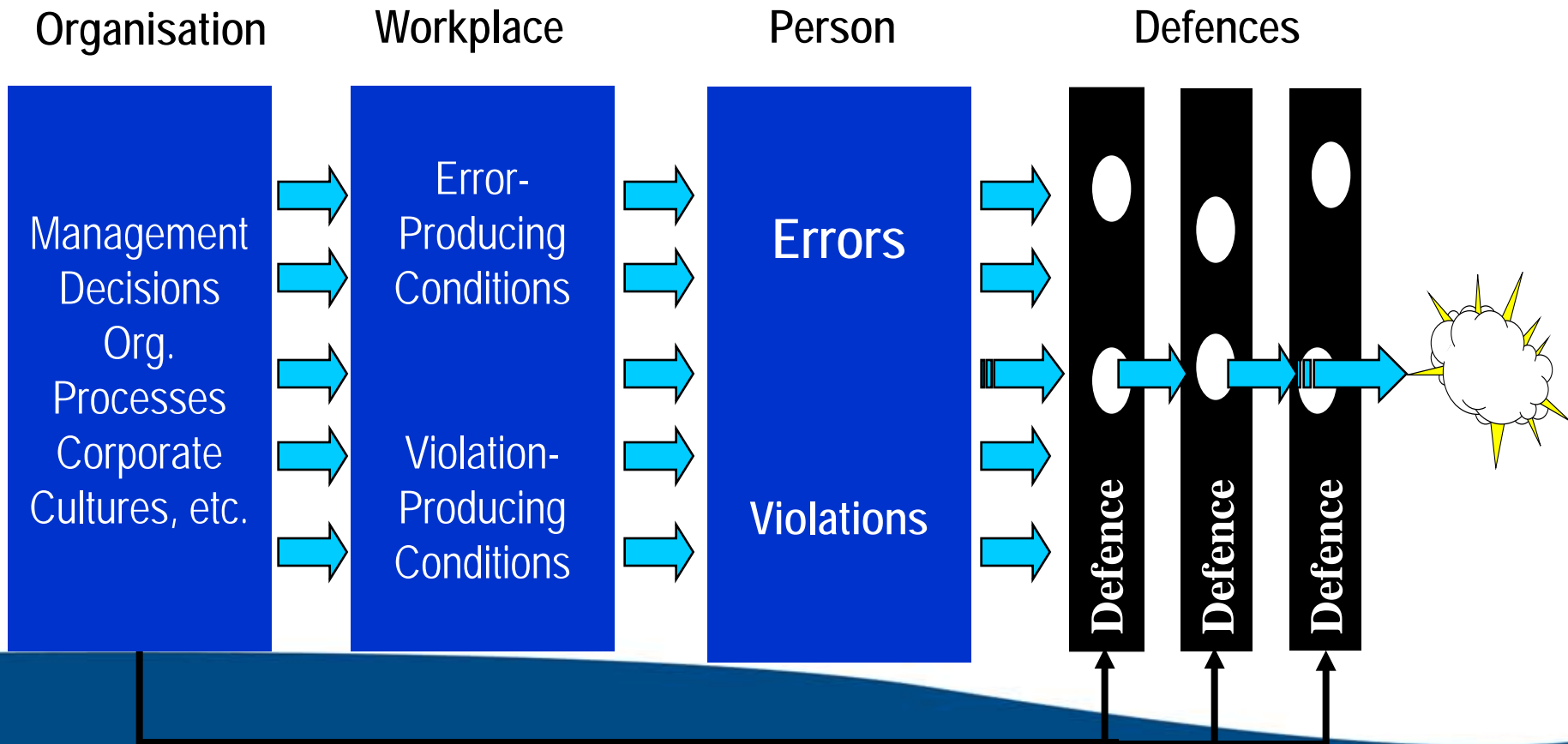
Sequence of Events - Convention



Occurrence Sequence of Events



Defence (Barrier) Analysis



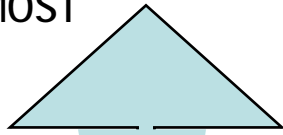
Qualitative Risk Assessment

| | | Probability of Adverse Consequences Over Time | | | | |
|--------------------------|--------------|---|----------|----------------|---------------|-----------------|
| | | Frequent | Probable | Occasional | Unlikely | Most Improbable |
| Severity of Consequences | Catastrophic | High | High | High | Medium | Medium Low |
| | Major | High | High | High Medium | Medium | Low |
| | Moderate | High | Medium | Medium | Medium Low | Low |
| | Negligible | Low | Low | Low | Low | Low |



Risk Control Options Safety Precedence Sequence

MOST



- **Engineer & Design for minimum hazards**
- **Guard, Protect and Defend**
- **Policy & Procedures**
- **Train & Educate**
- **Warn**

Least

-
- **Rehabilitate**

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