

Why Accidents Happen “Building a Prevention Strategy Based on Human Behaviour”

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AGENDA

- Context – what is happening in the real world around safety
- Why are we not successful with safety
- My real world of safety – Lewis Wheelan
- Tools to be effective and prevent future events
- Competent safety professionals – ability to respond

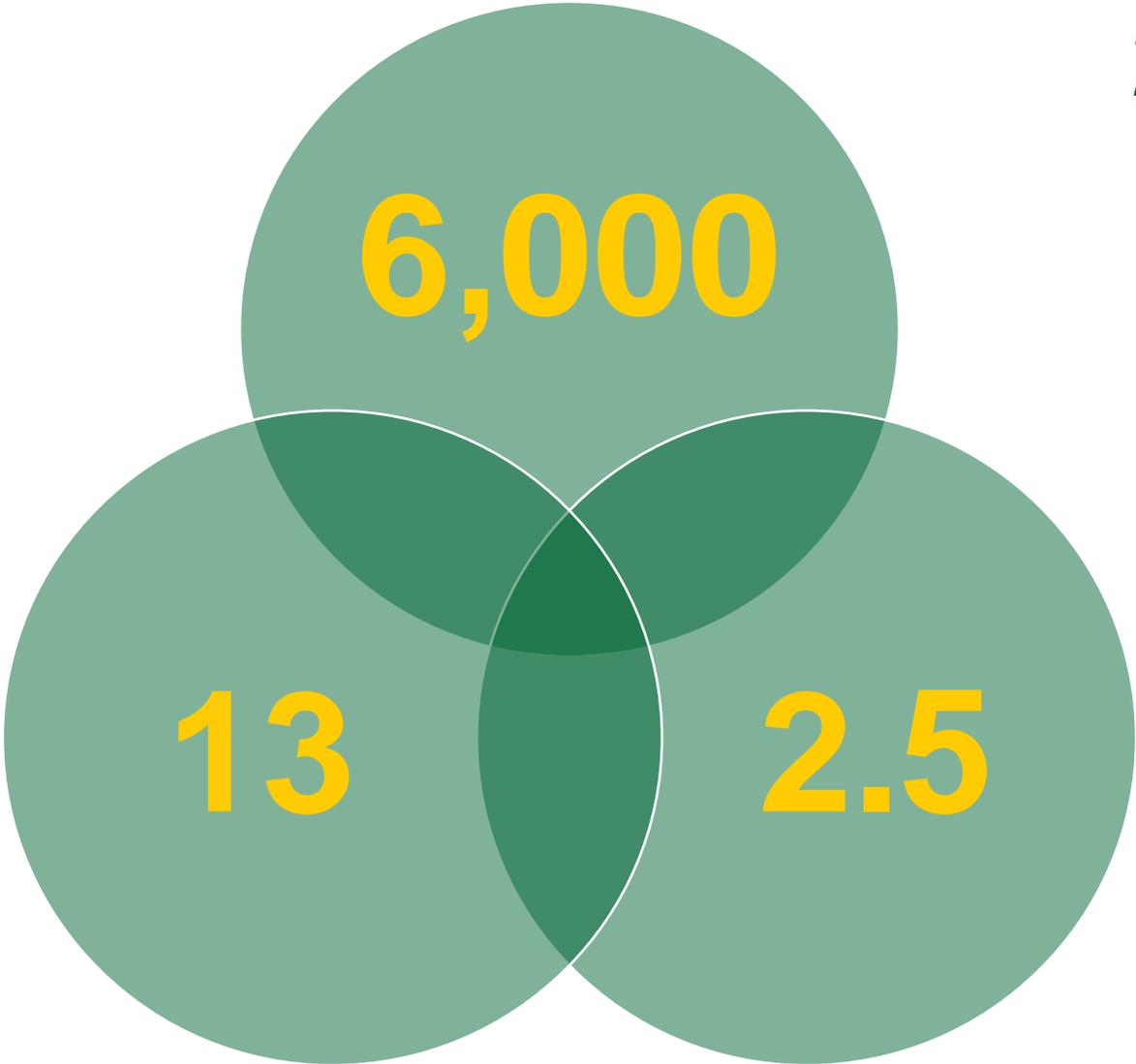
Session Objective

- redesign our systems, workspaces, and SOP's to change behaviours
- common behaviors and attitudes increase the risk of workplace accidents and illness—distraction, rushing, overconfidence, indifference, self-medicating, and fatigue.
- educating using mindfulness practices can enhance focus, attention, and situational awareness—employees respond quickly to change and emerging risks.
- improved investigations, reporting and near miss (hit) reviews proactively help involve employees to develop effective safety protocols and procedures.
- Tap into your people's basic needs for “community & connection desire for interesting & meaningful work to make your workplace safer.

Safety....simple approach

- “Fail to plan, plan to fail”
- Fail to plan for safety, plan to fail your program and getting to a safe, productive and prevention focussed workplace.
- If we plan for investigations, we do not need to investigate events!

2021 Stats

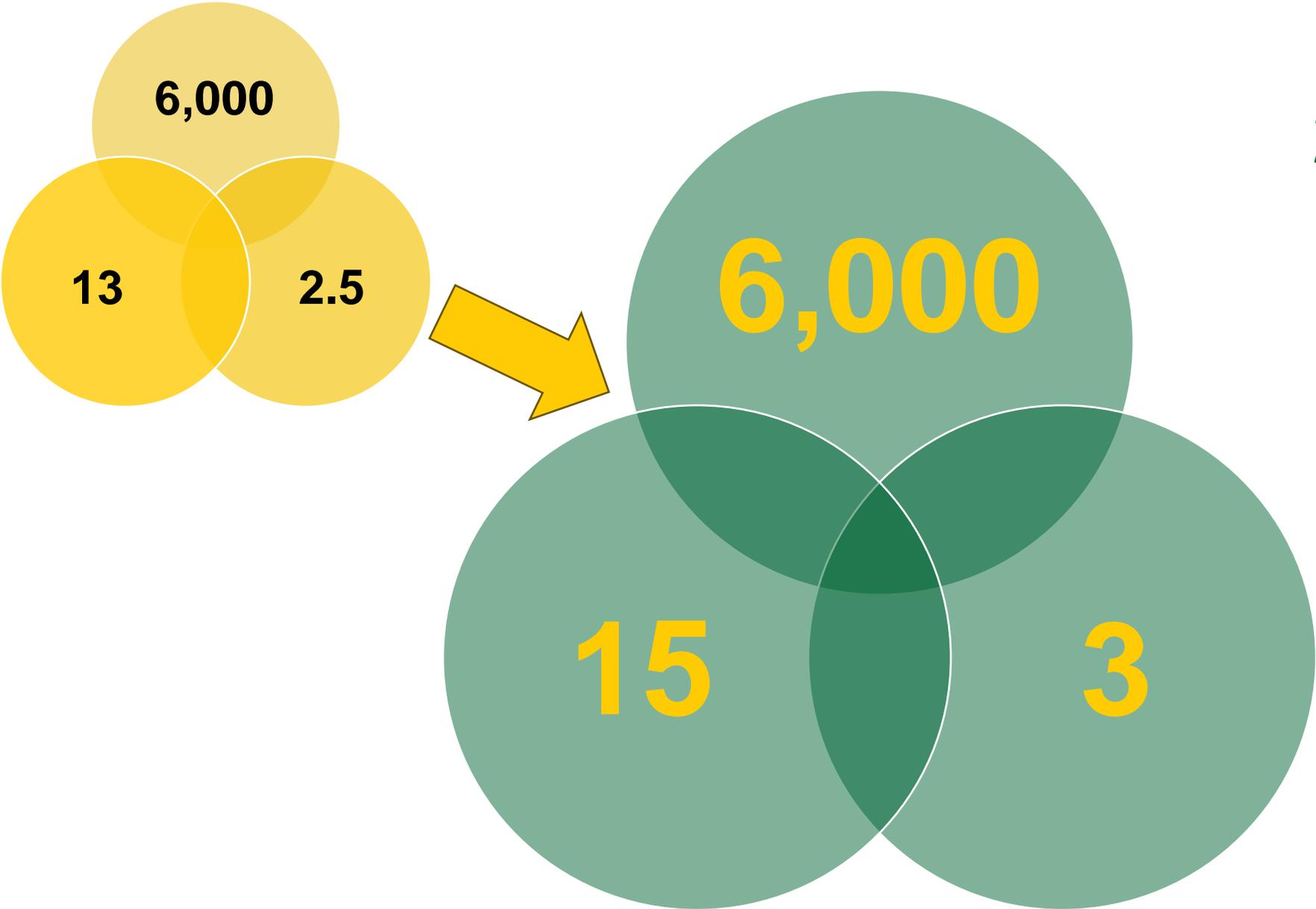


CONTEXT – CASE FOR INVESTIGATIONS in 2022 – Previous Year

Daily workplace injury and loss statistics:

- ILO: 6,000 deaths each day, 340 million accidents and 160 million victims of work-related illnesses annually
- US 4,764 workplace fatalities in US (2020)
- 925 in Canada and rising around the world.

2022 Stats



CONTEXT – CASE FOR INVESTIGATIONS

2023 Conference

Daily workplace injury and loss statistics:

- ILO: 6,000 deaths each day, 340 million accidents and 160 million victims of work-related illnesses annually
- US 5,190 workplace fatalities in US (8%+)
- 1,081 in Canada workplace fatalities. (16%+)

CONTEXT – My Story

- Updated ASSP 3rd edition, Accident Investigation Techniques
- Chair of the CSA Incident Investigation Standard CZA Z1005-2021, 3 decades and thousands of incident investigation reviews at the Workplace Safety & Insurance Board
- “Many investigate workplace incidents not aligned to a recognized investigation standard and it is a recipe for less than optimum investigation results, based on the workplace incident statistics.”



What are the excuses for not having a prevention strategy!

Other's perspective?

If we have a program and investigations:

- it is just going to create more liability for the company
- it is just going to create more work for the company or manager
- Just give it a little time and it will go away
- We don't have the time or money to
- Identify failures and breakdowns at their site
“Make them look bad!”

“Making Safety & Investigations Real”

Steve Russel, Toronto Star



My Story about Lewis Wheelan

Steve Russel TorStar (2001 event)



My Story about Lewis Wheelan

Steve Russel TorStar





My Story about Lewis Wheelan.

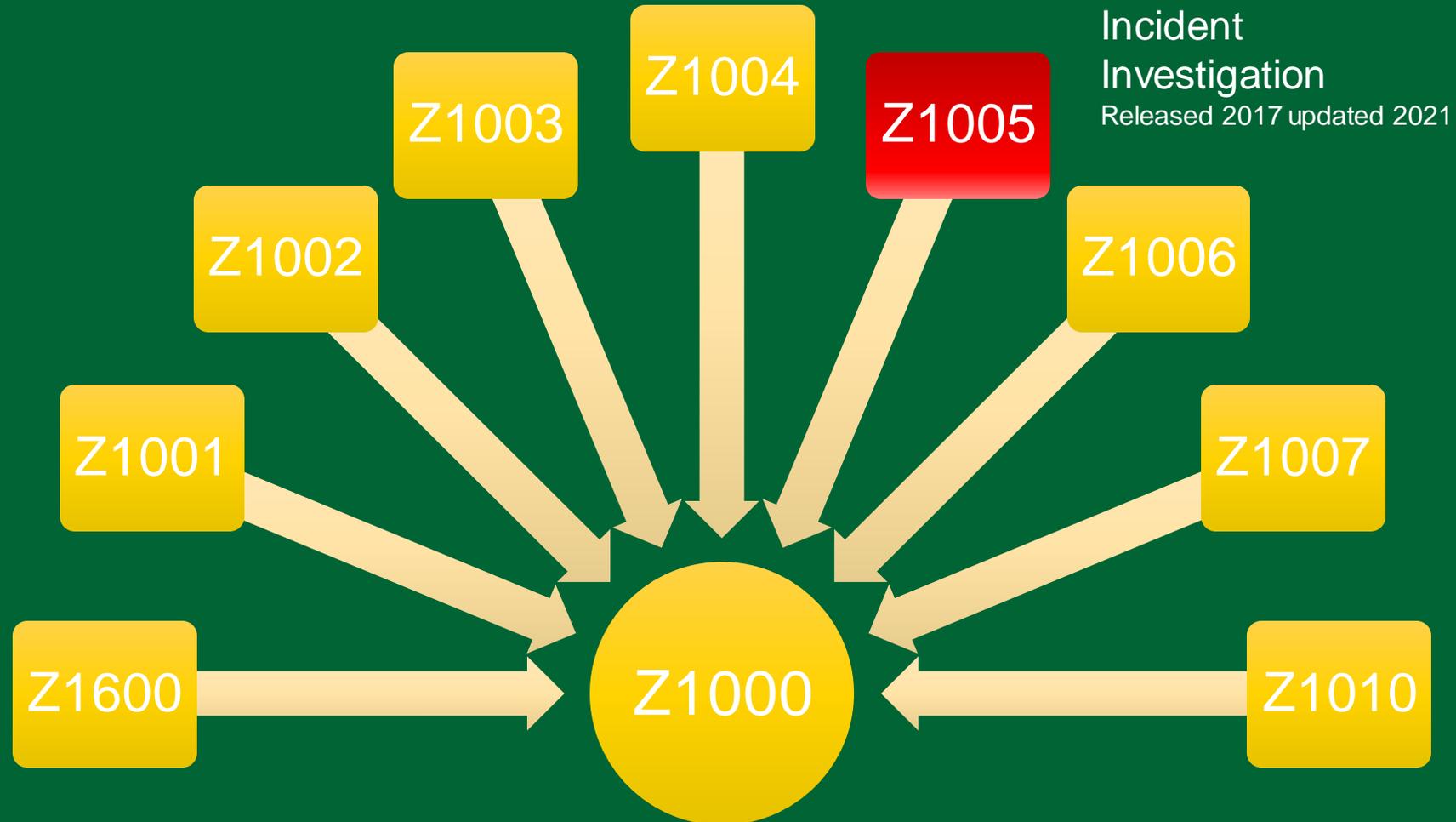
Steve Russel TorStar



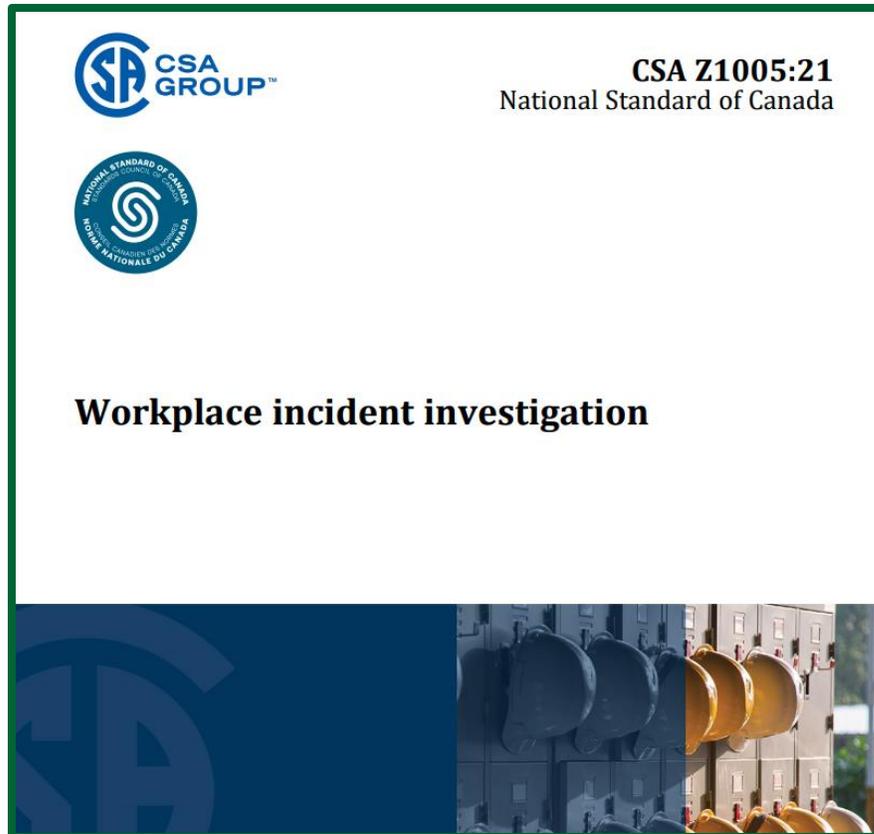
CSA Z1005 Incident Investigations

Overview

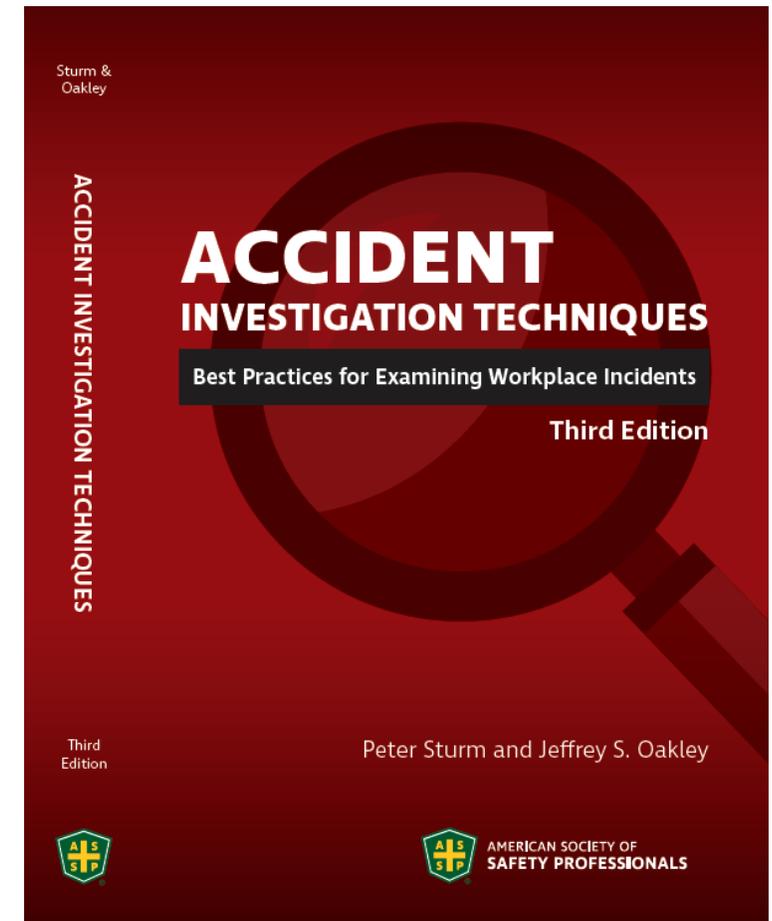
OHS Management Systems Standards



Free Access!!!! to CSA Z1005



CSA Z1005 Standard Referenced



Present State of Safety: Reactive



Present State of Safety: Reactive

KABOOM

Event

Response

Do Nothing

Present State of Safety: Reactive

KABOOM

Event

Response

Do Nothing

 Canadian Occupational Safety

Suncor CEO resigns following death at oilsands base

Suncor Energy Inc.'s CEO Mark Little has stepped down as chief executive and president, and resigned from its board of directors, a day after...

Jul 11, 2022



Shift to Proactive from Reactive

KABOOM

Proactive

Event

Response



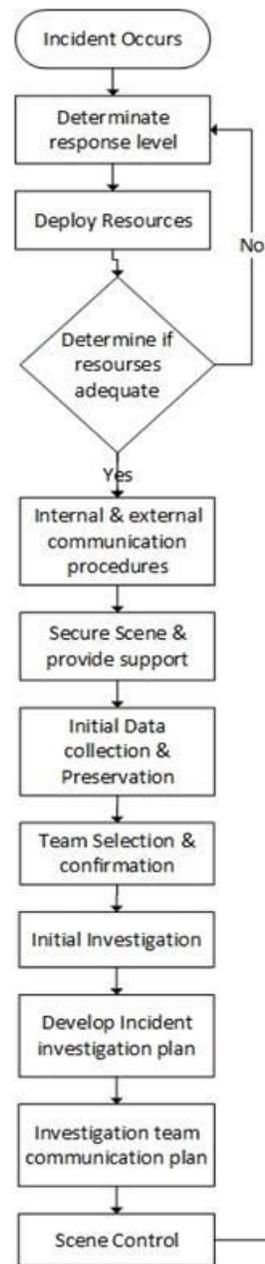
Shift to Proactive Prevention from Reactive Safety



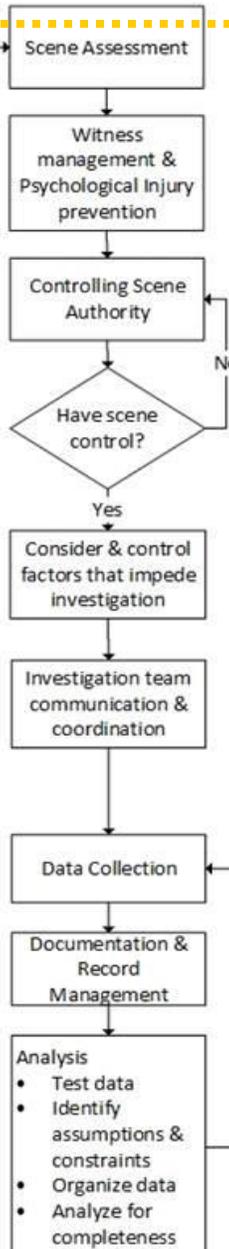
- Safety Management System
- Prevention System
- Safety Culture
- Sustainability – Human Capital

C: Investigation

A: Pre Investigation

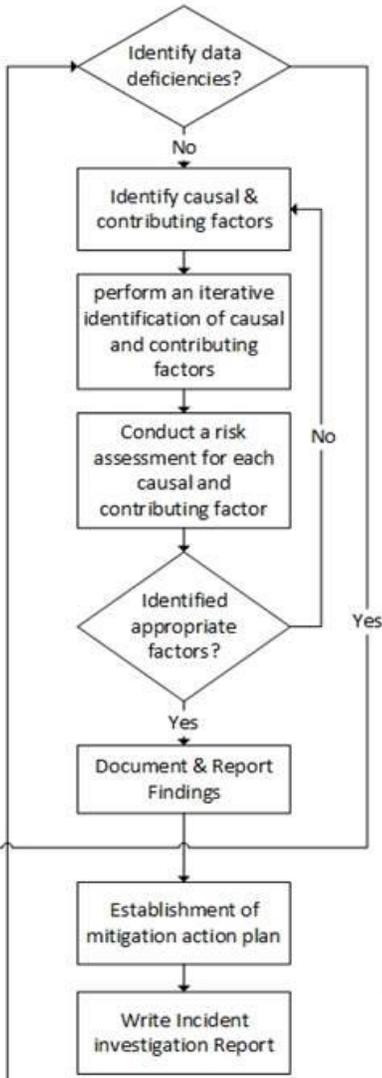


B: Investigation Preparation

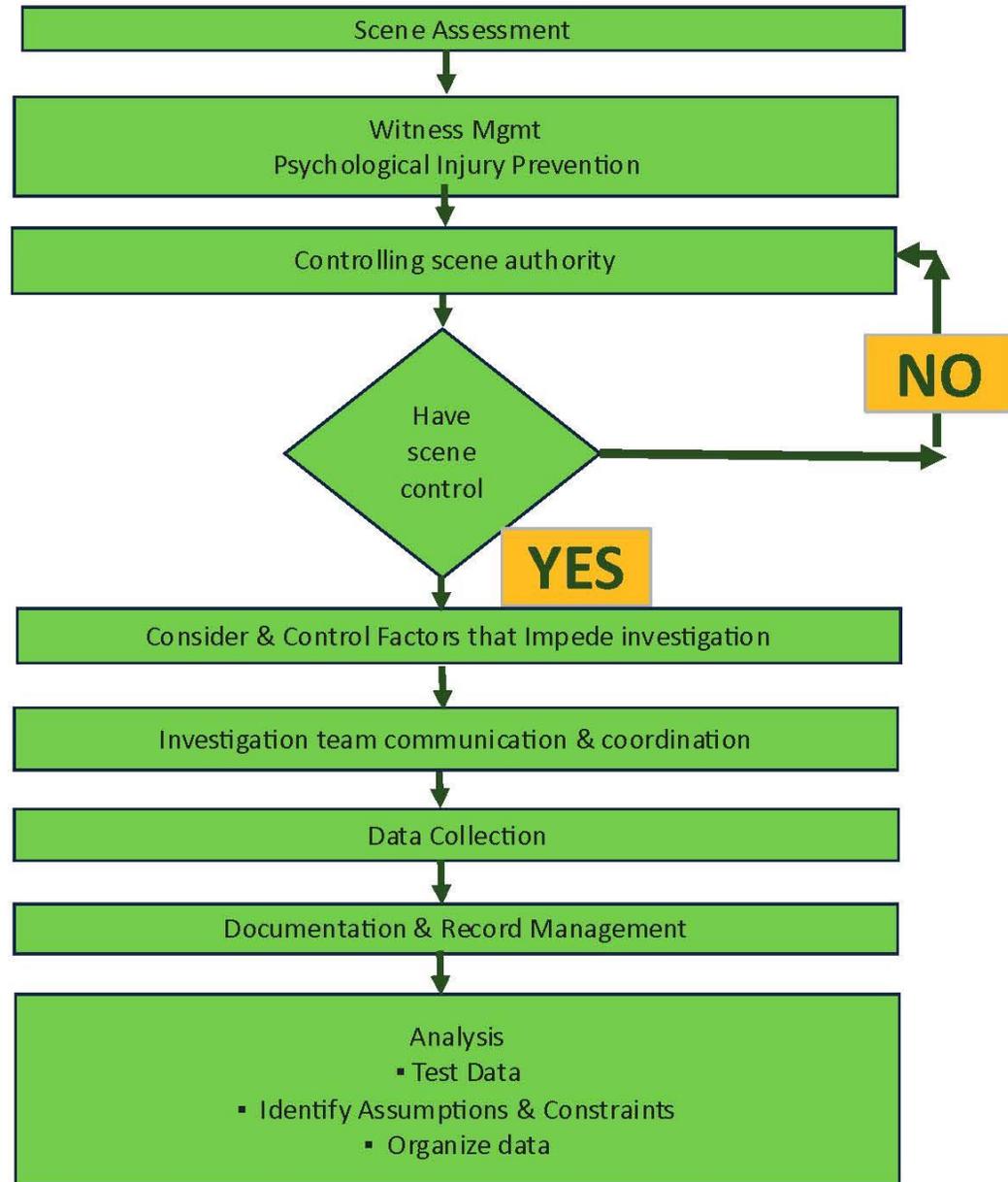


safety, sustainability & risk management

D: Analysis & Findings



E: Post Investigation



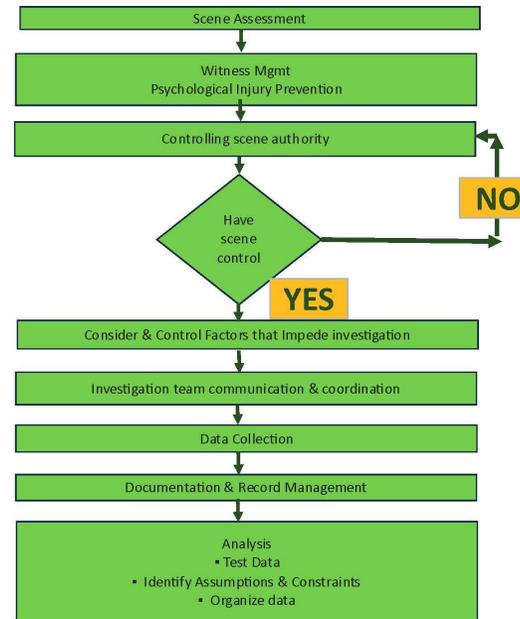
1. Pre Investigation

2. Investigation Prep

3. Investigation

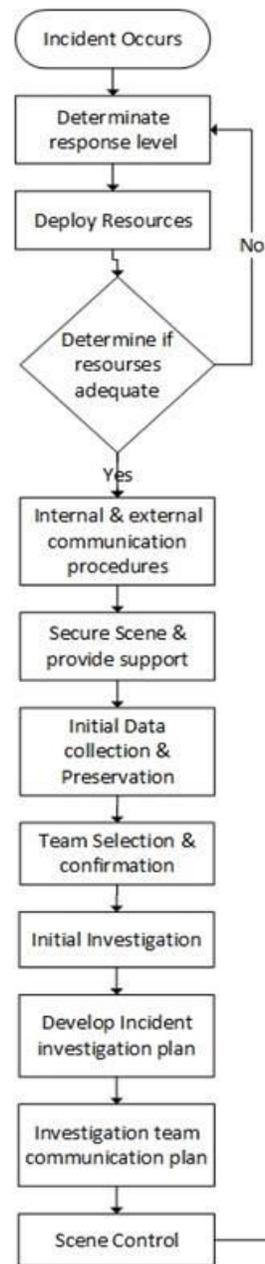
5. Post Investigation

4. Analysis & Findings

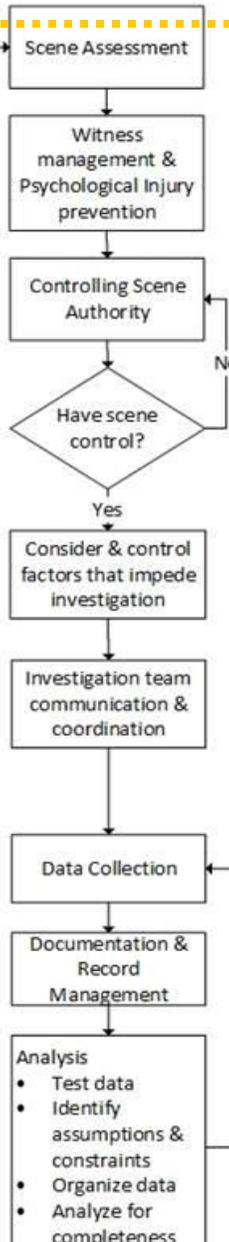


C: Investigation

A: Pre Investigation

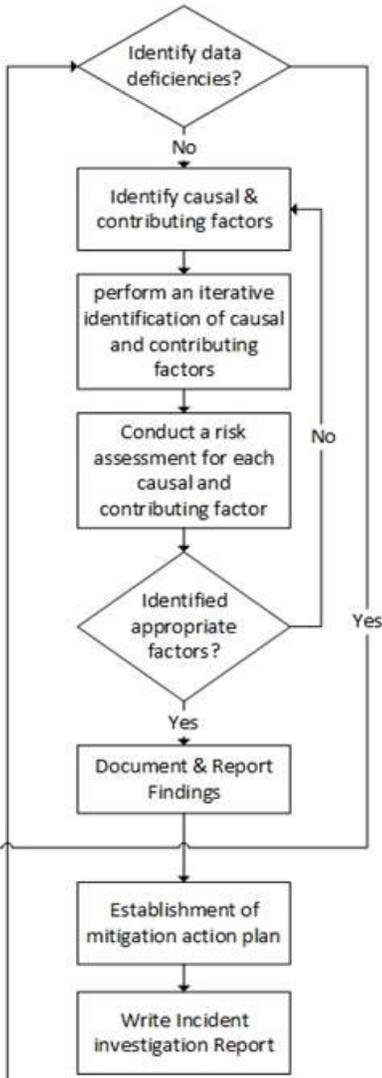


B: Investigation Preparation



safety, sustainability & risk management

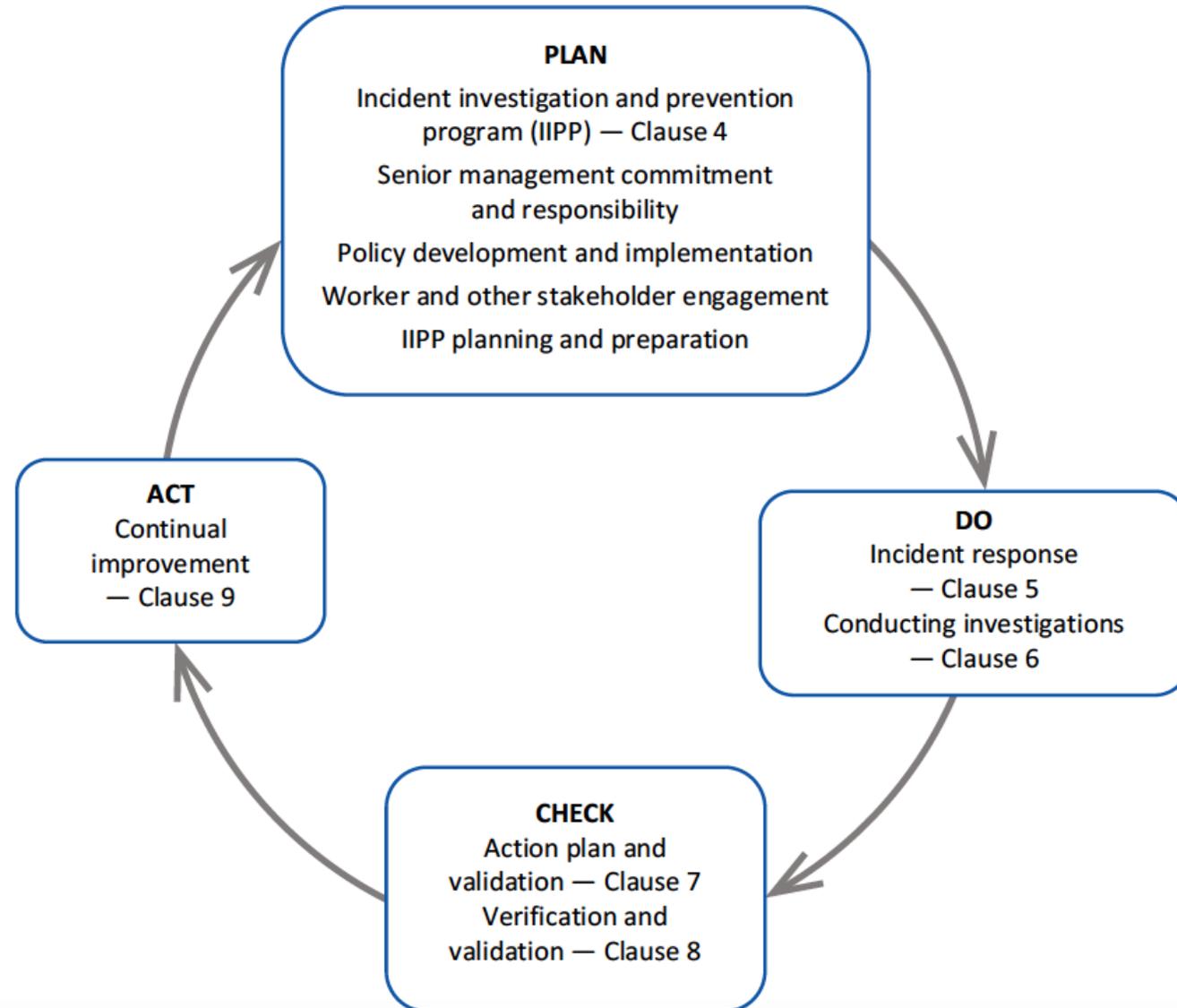
D: Analysis & Findings



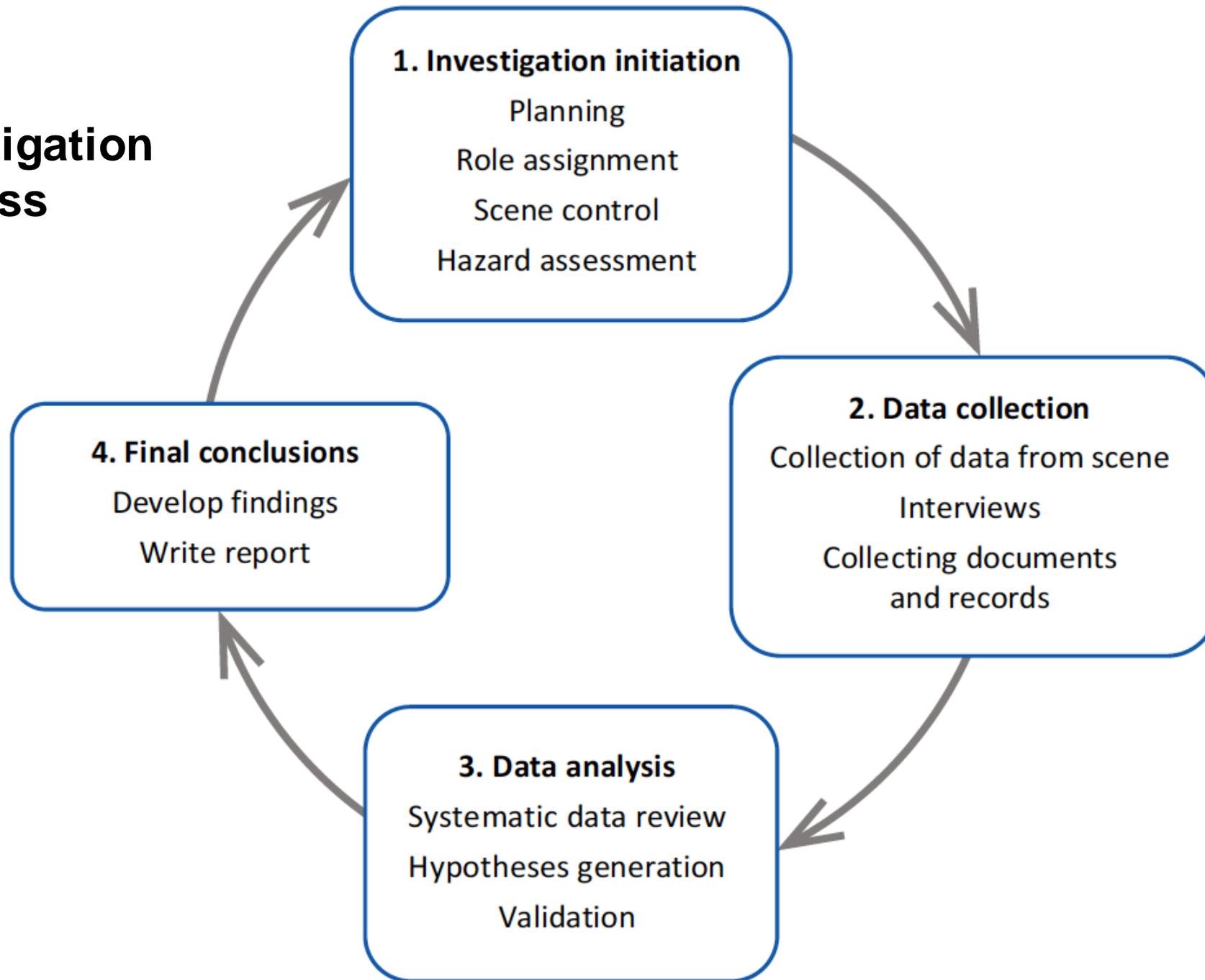
E: Post Investigation

Investigation Organization

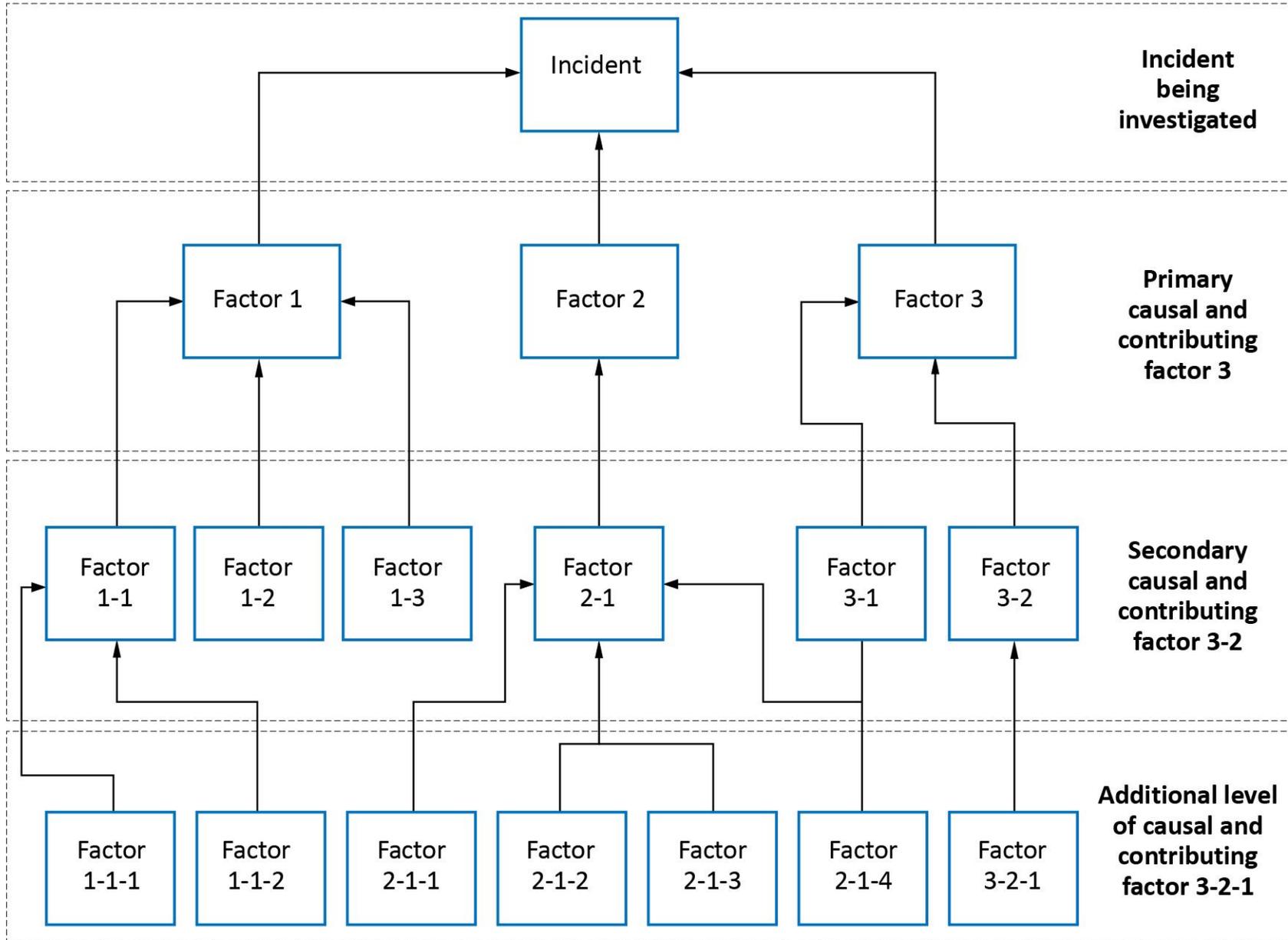
Organization of the Standard (See Clause [0.5.](#))



Investigation Process



Multi-causality

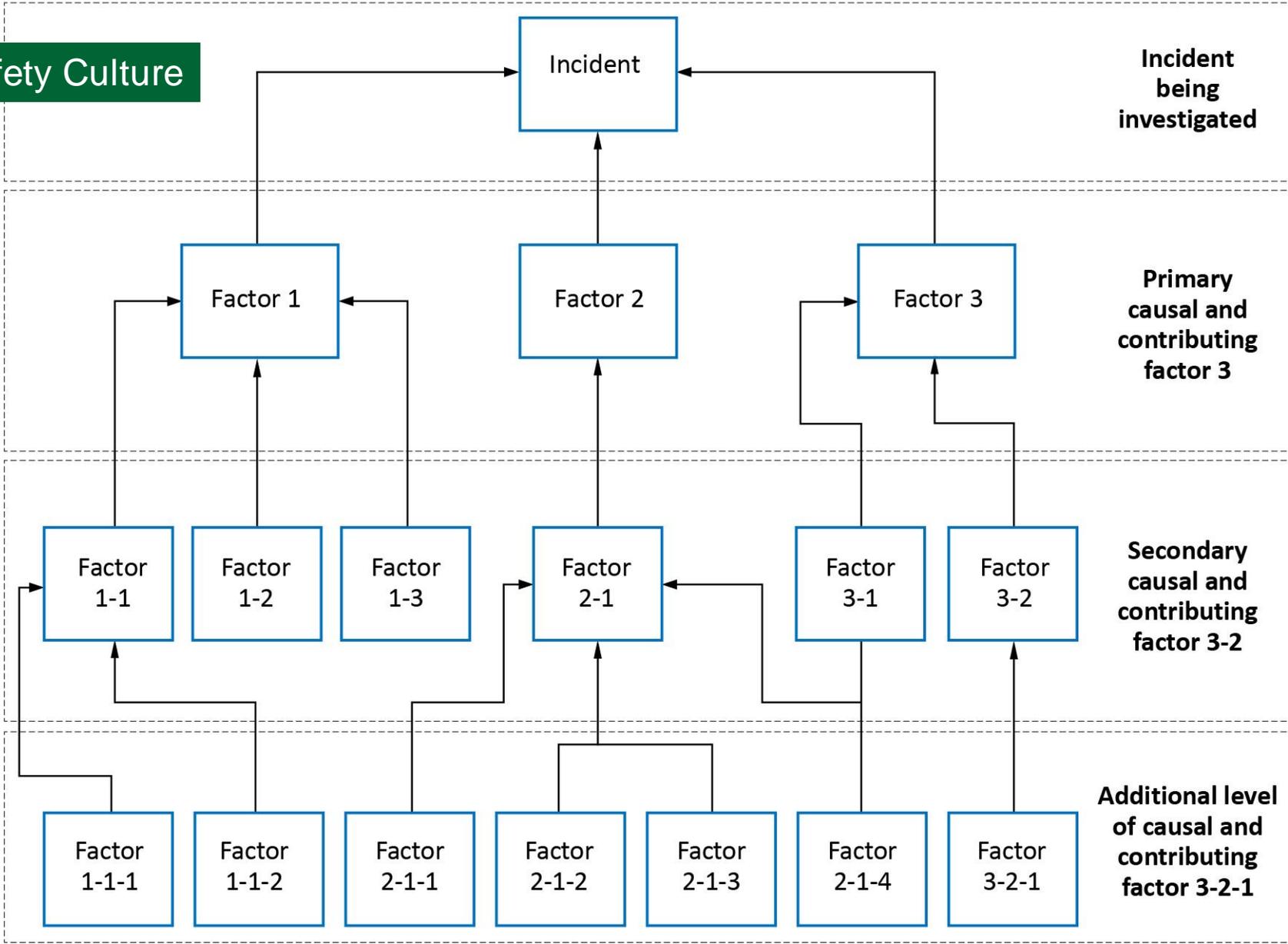


Conference Topics



Safety Culture

Multi-causality





Prevention Approach

Prevention Approach



Questions for us all to consider!

- Does your OHS management system program link to your **prevention program**?
- Are **safety professional competencies** identified and implemented?
- Are **similar incidents continuing** to occur or are new ones occurring that you need to identify? Possibly not being reported?
- **What is keeping you up at night!** When will the next major event occur?



Competencies of an safety professional

Competencies include....

1. Understand risk assessment and control
2. Interact with parties, agencies, authorities
3. Leadership
4. Provide direction
5. Communication skills (written, oral & aural)
6. Knowledge of regulations/industry practices
7. Conflict resolution, mediation approaches

See CSA Standard & Accident Investigations Guideline Clause_6.2.2.2



Competencies include.....some!



13 Free Tools

[CSA Tools Link](#)

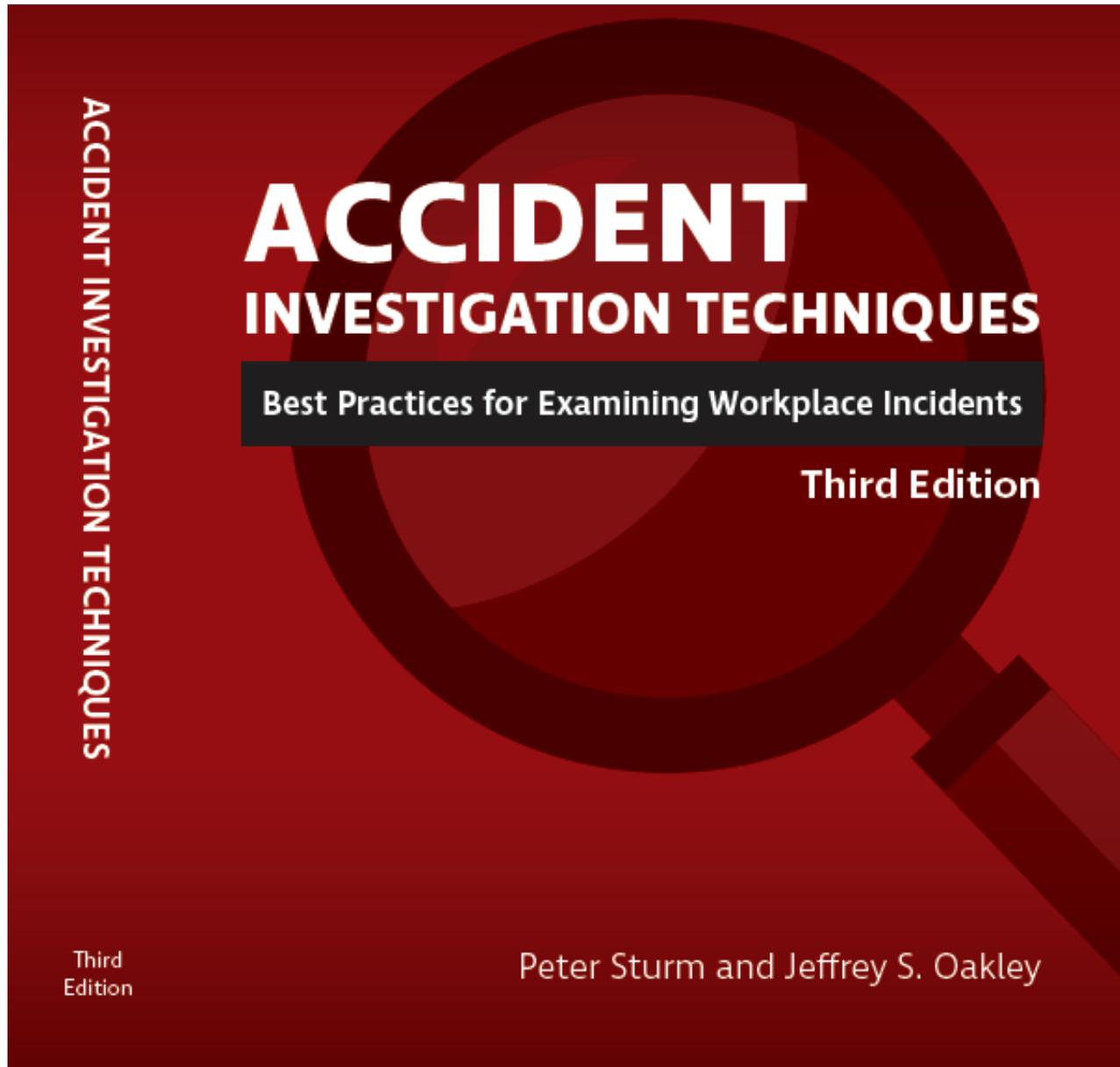
Understanding the Impact of Bias in a Workplace Incident Investigation Using CSA Z1005

Addressing Gaps & Analyzing Data in an Incident Investigation Using CSA Z1005

Making Recommendations in an Incident Investigation Using CSA Z1005

Preparing for a Workplace Incident Investigation Using CSA Z1005

Competencies of a Workplace Incident Investigator Using CSA Z1005



Training Events

Two-Day Incident Investigation Course – On-Line & In Class

Questions?

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