



Transport Accident
Investigation
Commission

The Transport Accident Investigation Commission (TAIC)

The Role of TAIC in Safety

Harald Hendel

Chief Investigator of Accidents

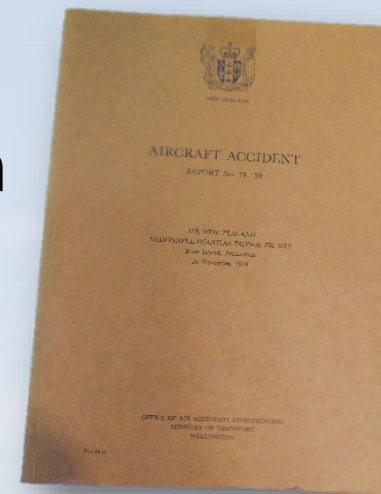




Who are the
Transport Accident Investigation Commission ?

A Brief History

- Foundations from the Office of Air Accidents Investigation
- Established in 1990 under the TAIC Act
- TAIC investigates certain Aviation, Marine, Rail accidents aimed at making improvements to the NZ transport system



Our Purpose

4 Purpose of Commission

The principal purpose of the Commission shall be to determine the circumstances and causes of accidents and incidents with a view to avoiding similar occurrences in the future, rather than to ascribe blame to any person.



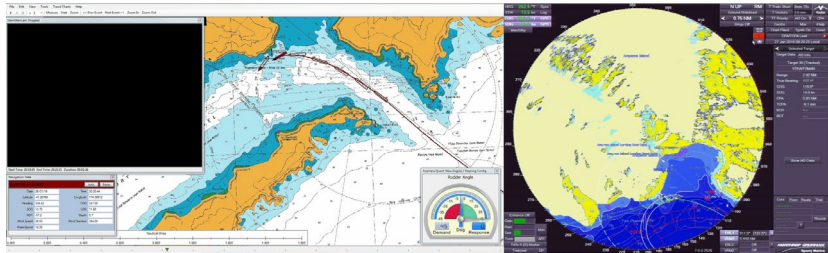
How we achieve that



8 Functions of Commission

- (1) The principal function of the Commission shall be the investigation of accidents and incidents.
- (2) Without limiting the principal function under subsection (1), the Commission shall also have the following functions:
 - (a) to make such inquiries as it considers appropriate in order to ascertain the cause or causes of accidents and incidents:
 - (b) to co-ordinate and direct all such investigations and to determine which other parties (if any) should be involved in such investigations:
 - (c) to prepare and publish findings and recommendations (if any) in respect of any such investigation:
 - (d) if requested by the Minister, to deliver a written report on each investigation to the Minister, including any recommendations for changes and improvements that it considers will ensure the avoidance of accidents and incidents in the future:
 - (e) to co-operate and co-ordinate with other accident investigation organisations overseas, including taking evidence on their behalf:
 - (f) where—
 - (i) a notification under [section 27](#) of the Civil Aviation Act 1990; or
 - (ii) a notification under [section 13\(4\)](#) of the Railways Act 2005; or
 - (iii) a notification under [section 60](#) of the Maritime Transport Act 1994—has not been received, to request from the Civil Aviation Authority, the New Zealand Transport Agency, or Maritime New Zealand, as the case may be, such further information as it considers appropriate regarding any accident that the Commission believes is required to be investigated under [section 13\(1\)](#) or [section 13\(2\)](#) of this Act:
 - (g) to perform any other function or duty conferred on it by this or any other Act.

How we achieve that



TAIC's forensic capability



Safety Reporting - sources of notifications to TAIC



People being transported

Rail
Operators

Aircraft
Operators

Marine Vessel
Operators

Media

First
responders

Regulation /
Oversight
Entities

Regulation /
Oversight
Entities

Regulation /
Oversight
Entities

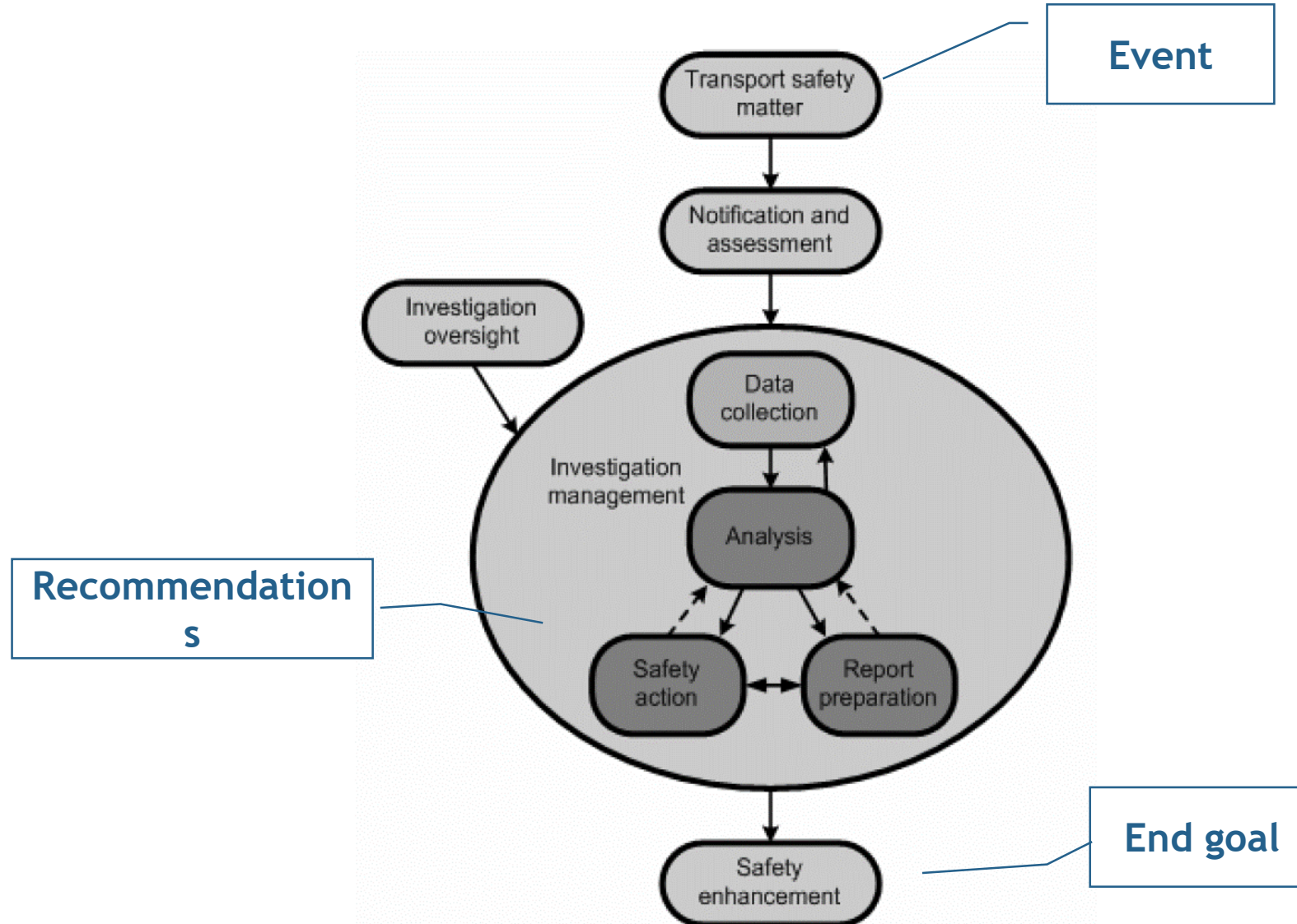


Ministry of **Transport**
TE MANATŪ WAKA



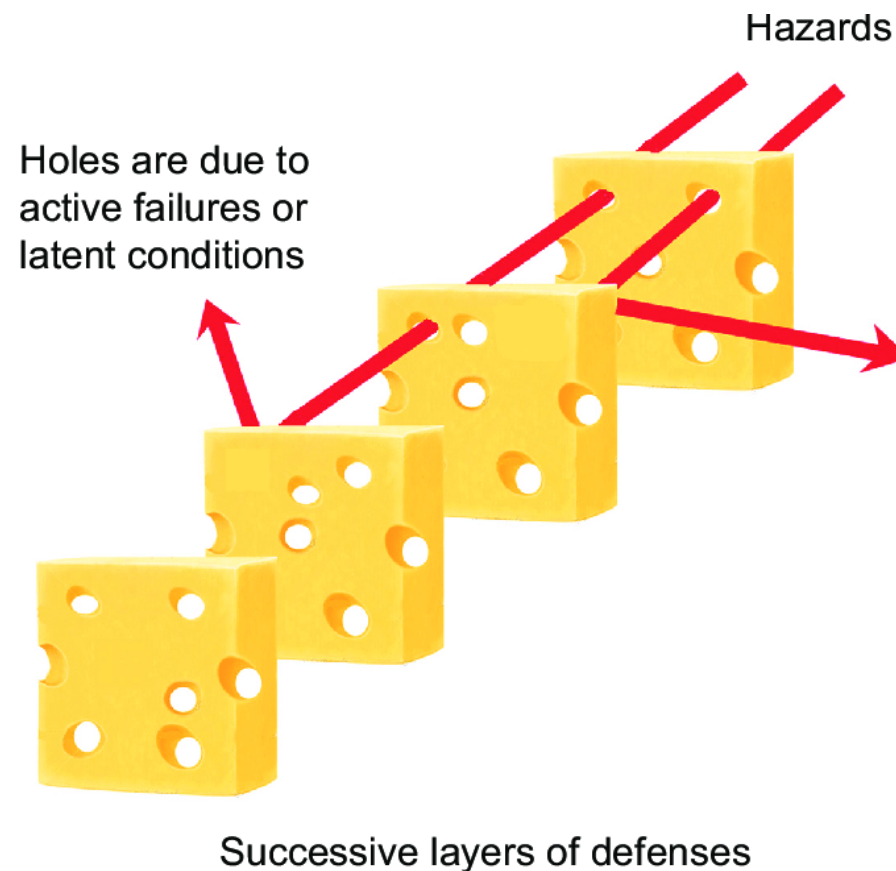
FIRE
EMERGENCY

What that actually means



How we see accidents

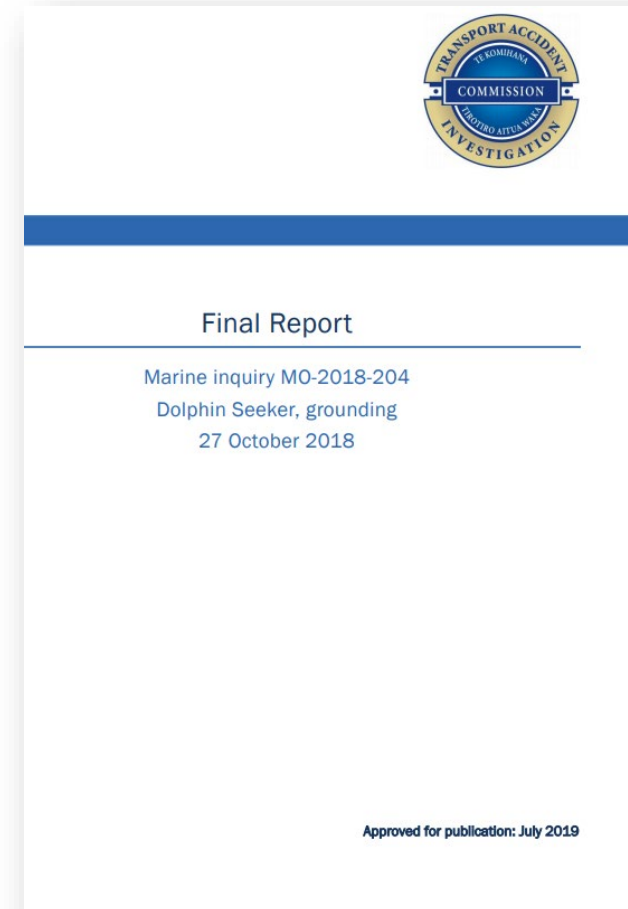
- Regulatory Framework
- Organisation Influences
- Risk Controls
- Individuals
- Occurrence Events



Our Reports

Contents

- The Facts
- Our Analysis of the facts
- Our Findings
- Safety Issues
- Safety Action
- Recommendations
- Key Lessons



Our Findings

May ...

- Relate to something that contributed to the accident
- Be something else we found that increases risk
- Be a positive action that was taken to reduce the risk

Safety Issues

- Extend beyond the occurrence we're investigating
- Where the Commission believes there is ongoing operational risk

Recommendations

- State what needs to be fixed
- Avoid being prescriptive in the solution
- Are ultimately aimed at generating safety enhancement

The Watchlist

The Watchlist draws attention to transport-related concerns of high social, economic or environmental risk; and systemic transport safety risks.

Recreational boat users: essential knowledge and skills

Strategies to promote safety in recreational boating focus on encouraging self-reliance and skipper responsibility through safety awareness and education. This system is flawed because it relies on users knowing the rules, regulations and bylaws; it does not require them to demonstrate such knowledge before taking a craft on the water...


Substance use: regulatory environment for preventing performance impairment

The detrimental effects of drugs and alcohol on cognitive abilities are well documented. In the Commission's investigations, consumption of alcohol or use of other performance impairing substances recurs as a contributing factor or potential impediment to survival. Following first publication of this Watchlist item, legislative change is now underway to require commercial aviation and maritime operators to have drug and alcohol plans and to give regulators testing powers. More can and should be done...

Where to find more information

<https://www.taic.org.nz/>





Transport Accident
Investigation
Commission

Contact Us | Accessibility | Privacy | Site Map | Copyright

Home | Watchlist | Investigations | Recommendations | How we work | About | News

Welcome • Kia Ora

"The principal purpose of the Transport Accident Investigation Commission [TAIC] shall be to determine the circumstances and causes of [selected aviation, marine, and rail] accidents and incidents with a view to avoiding similar occurrences in the future, rather than to ascribe blame to any person." - TAIC Act 1990

Show me content for:

All Modes

Aviation

Marine

Rail

Search site:

Latest updates



TAIC inquiring into rail accident on Aratere ferry
10 APR 2021
At Wellington Port, a worker was struck by moving wagon, requiring hospital treatment



MO-2021-201: Jetboat incident, Shotover River, Queenstown, 21 March 2021
21 MAR 2021, INQUIRY STATUS: CURRENT
TAIC has opened an inquiry into the jet boat accident on the Shotover River near Queenstown. Injuries to some persons on board, no fatalities reported. The boat is now in a secure location. TAIC investigators arrived on site 22 March, interviewing witnesses, inspecting boat.



RO-2019-105: Express freight Train 268, Derailment, Wellington, 2 July 2019
18 FEB 2021, INQUIRY STATUS: CLOSED
A loaded freight train derailed when departing Wellington Freight Terminal, dragged derailed wagon through 6 sets of points. Automated systems eventually halted train 256 metres along the track. No injuries, but substantial damage to rail infrastructure led days of passenger service disruption....



TAIC reports on capsizing of water taxi
11 FEB 2021
Worse-than-expected sea conditions caused capsizing of a perceived very safe 'pontoon' design water taxi. Skipper rescued all six passengers trapped inside, all survived. Lessons for passenger boat sector: know vessel...



RO-2019-107: Passenger service SPAD and near collision, Wellington, 6 November 2019
21 DEC 2020, INQUIRY STATUS: CLOSED
A passenger train leaving Wellington station ran a red light because a radio call distracted its driver. The red signal

New website user tips

Welcome to our website

- [overview and user tips](#)
- [searching, sorting and filtering](#)
- [for Internet Explorer users](#)
- [about our Kōwhirihi](#)
- [give us feedback](#)

Quick launch inquiries & recs

Investigations recently [opened](#) or [closed](#)Recommendations for action recently [made](#) or [closed](#)

Safety focus

Substance use: regulatory environment for preventing performance impairment

The detrimental effects of drugs and alcohol on cognitive abilities are well documented. In the Commission's investigations,

Back up slides on process / for
question follow up

Basic process

1. Gather evidence
2. Analyse the evidence for systemic mechanisms
3. Write draft report
4. Test draft report at Commission
5. Send draft report for consultation
6. Test received submissions / edit report
7. Publish report / recommendations

Owner of Recommendation

- The Commission thinks you can help improve safety
- The Commission has identified a safety issue
- The Commission think you're best placed to implement safety action
- No safety action has been identified that mitigates this risk
- As such, the Commission issued a recommendation and would like you to mitigate the risk