

onrsr Office of the
National Rail
Safety Regulator

IRSC 2023

INTERNATIONAL RAILWAY SAFETY COUNCIL

"Reshaping Railways in an Uncertain World"

CAPE TOWN, OCTOBER 1 - 6, 2023

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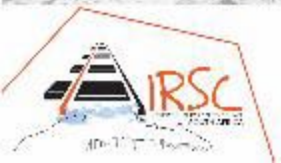




Gabby O'Neill
Office of the National Rail Safety Regulator, Australia

TECHNICALLY: IN-CAB AUDIO AND VIDEO RECORDINGS

[in-cab cameras]



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How to say

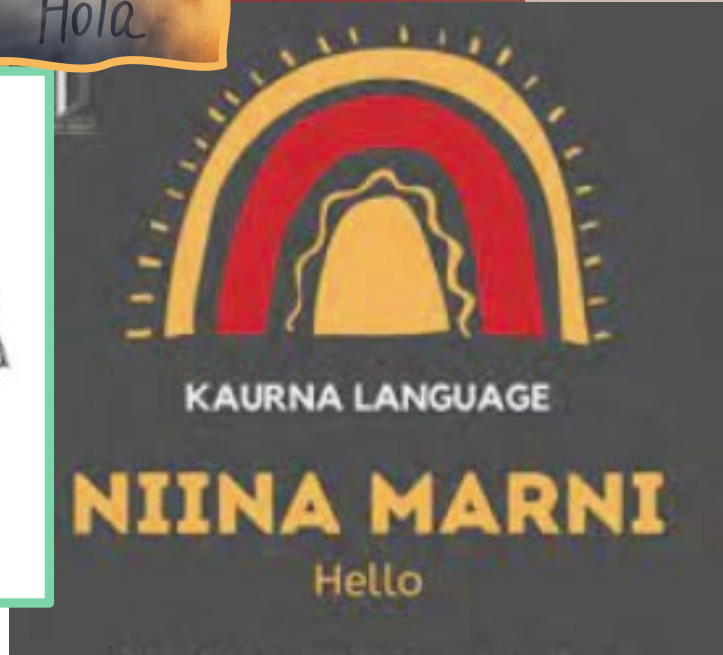
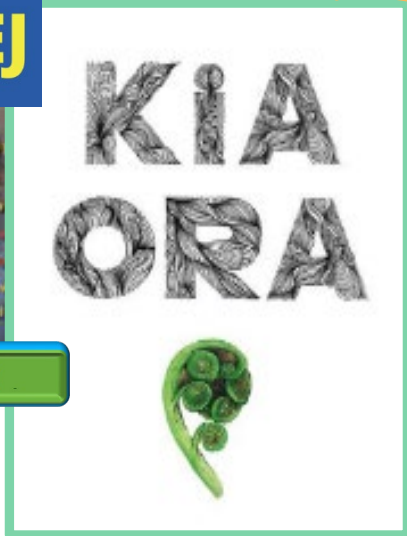
Goeiedag

Konnichiwa
/'koni:chi:wa/'
(こんにちは)
EXCLAMATION
Used as a greeting or to begin a conversation.
Hello!"

HEJ

HOW TO SAY HELLO
Molweni (Hello)
Mole, bhuti (Hello)
Kunjani (Hello)
Ndiyaphila, enkosi. (Thank you)
Kunjani wena? (How are you?)
Ndiyaphila nam, enkosi. (I am fine, thank you)
Shap! (Shap!)

עליכם-שלום



today I cover

[ONRSR:
ohn-r-sah-r]

what is being proposed?

— why?

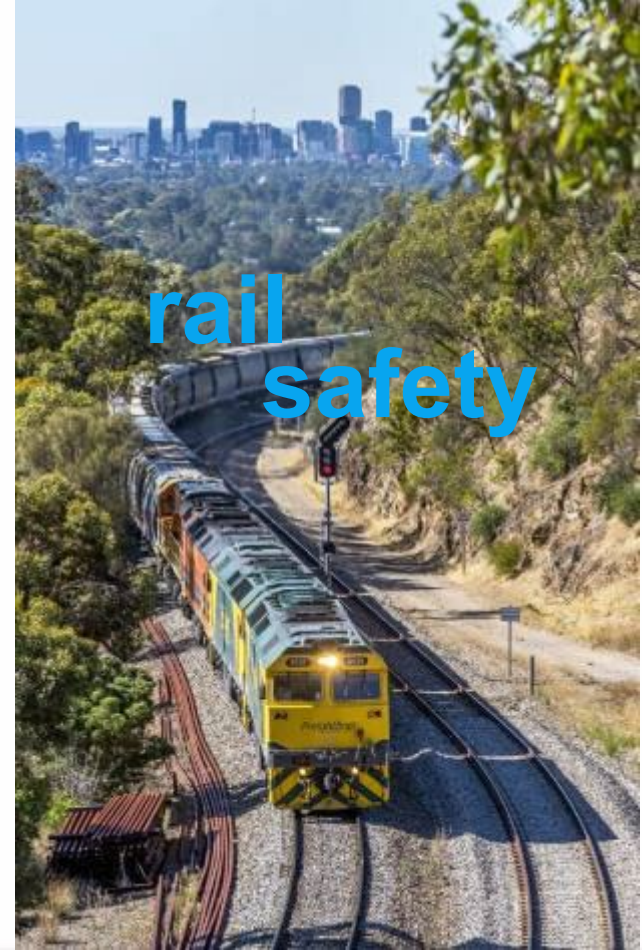
our timeline

stakeholders

the challenges

& where to from here?

rail
safety



what?

mandatory installation of in-cab audio

+ video recorders

— mainline running trains for

— passenger

— freight

why?

information gap pre incident



where in-cab recordings would have assisted ...

Hurlstone Park	NSW	Jan 2013
Freight: multiple (x2) signal passed at danger train 9837 x2 crew (poss. asleep) passed signals at stop - workers on track ahead		
Kilbride	NSW	May 2014
Passenger: near hit passengers detrained on track without required train protection		
Mt Druitt	NSW	Mar 2015
Passenger: wrong running direction (761 metres) train 165-S driver drove (empty) train in the wrong direction		
Hornsby	NSW	Dec 2015
Passenger: multiple (x2) signal passed at danger – derailment train 109D driver distracted by another driver in the cab passed signals		
Muswellbrook	NSW	Dec 2016
Passenger: fire alarm (auxiliary engine) reaction driver disabled the service reacting to fire alarm stranding >200 passengers		
Unanderra	NSW	Apr 2017
Grain: runaway train 8960 fully loaded w grain ran away reaching 107 km/h on Illawarra mountain		

Petrie	Queensland	Oct 2017
Passenger: signal passed at danger train 2552 driver did not recall acknowledging the onboard automatic warning system		
Bowen Hills	Queensland	Jan 2018
Passenger: signal passed at danger – near hit trains TP43 and TR50 driver unaware - continued as if signal not displayed at stop indication		
Richmond Station	NSW	Jan 2018
Passenger: collision train A42 driver failed to stop at platform – 16 of 26 people injured - some seriously incl. driver & guard		
Wagga Wagga	NSW	Mar 2019
Grain: multiple signal passed at danger – potential collision train 5KC3 driver passed series of signals into a potential collision w oncoming goods train 5BM9 – 2 trains came to a halt approximately 2.5 km apart		
Wallan	Victoria	Feb 2020
Passenger: derailment at speed in turnout loop train ST23 driver & navigator killed – 8 passengers seriously injured – 53 passengers + 5 crew received minor injuries		

... where in-cab recordings would have assisted

fatalities

serious injuries

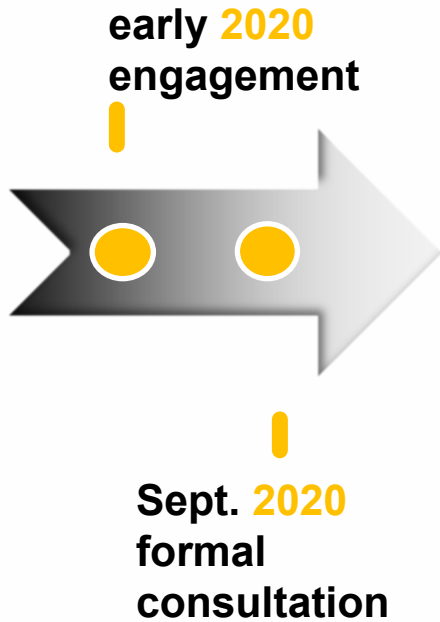
● **minor injuries**

strandings

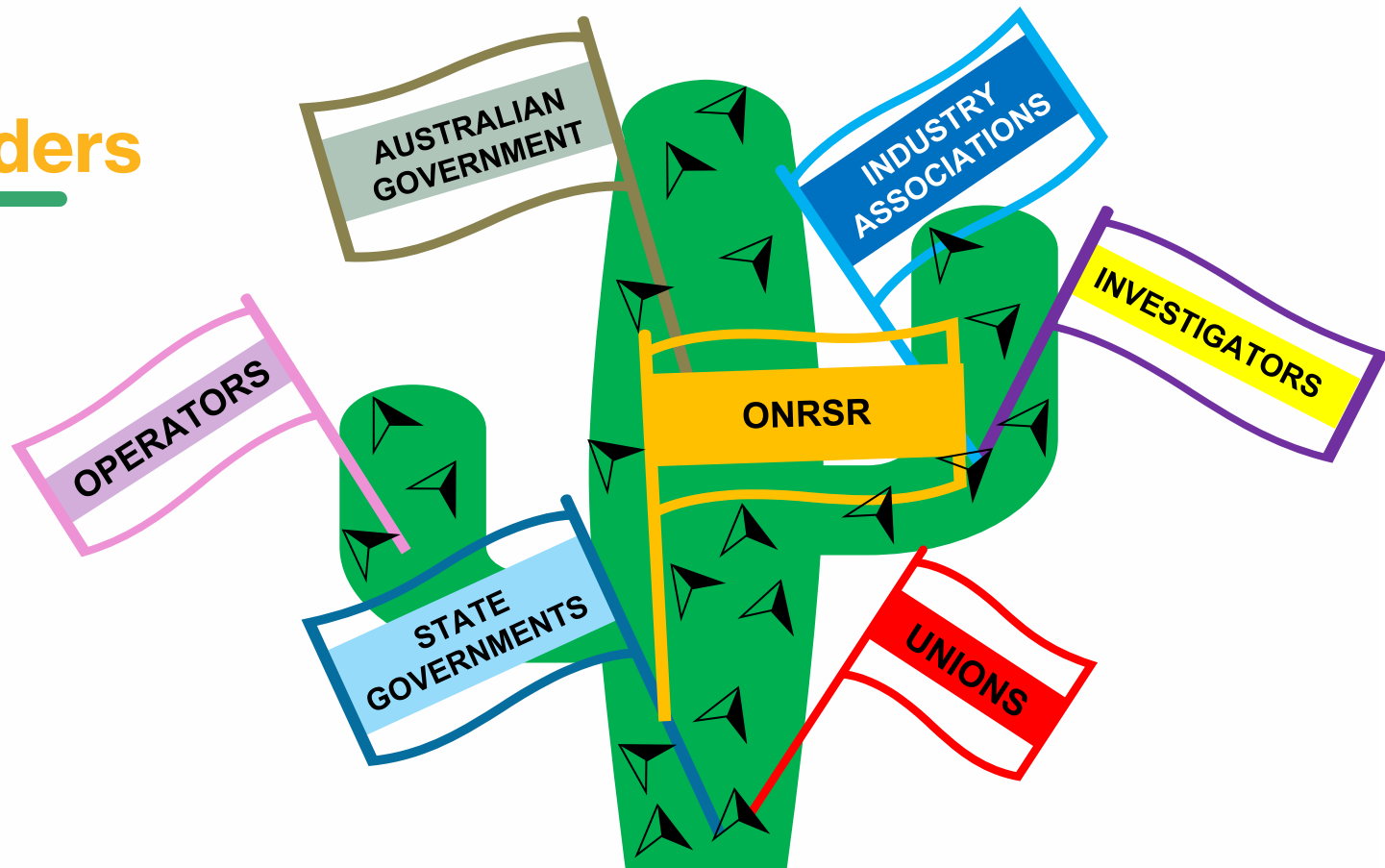
**affecting
driver +
navigator / pilot +
passengers +
crew**



timeline



stakeholders



key concerns

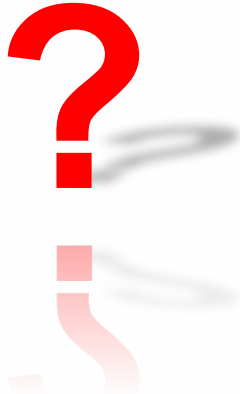
- are we setting people up to fail?
- what is the baseline?
- there's a need to create a system that supports compliance



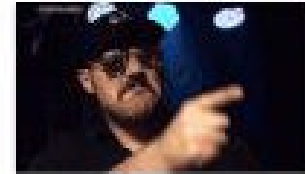
challenges

unions privacy — autonomy — use — disciplinary action

surveillance or safety



i am watching you
i know where you live





...and he's watching



...and he's watching



perception vs reality

are we listening to cultures

where else are in-cab recordings being used?

- Canada
- China
- Hong Kong
- USA
- Aviation
- Taxis

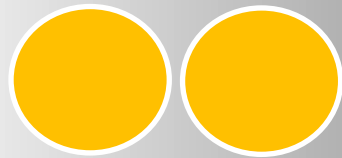


where to from here

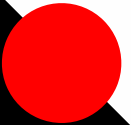
— seeking a decision

early 2020

2023



Sept. 2020



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ADELAIDE : AUSTRALIA



Sub-theme 5: Safety culture improvements, adaptations, and successes in rail





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