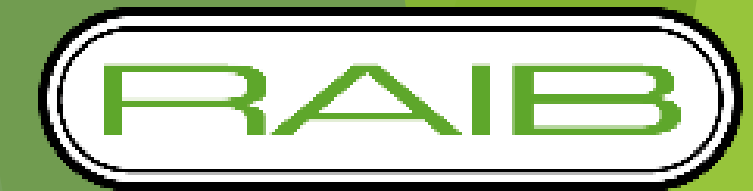


Deployment and Scene Management

Railway Accident Investigation Seminar

Ian Capewell, Inspector and Site Tactical Commander, RAIB

Deployment



Rail Accident Investigation Branch

- ▶ 06:42 hrs- Notification - Tram overturned at Sandilands in Croydon. 3 dead and many injured.
- ▶ 06:45 hrs- Tram is on its side. Confirmed multiple casualties. An Accredited Agent (AA) is available.
- ▶ 06:52 hrs- First team deployed and RAIB Strategic GOLD advised.
- ▶ 07:10 to 07:30 DfT - Conflicting information regarding the number of fatalities passengers trapped and the location of the tram (in the tunnel).
- ▶ 07:30 AA appointed and on site.
- ▶ 08:00 ORR attending.
- ▶ 08:09 hrs- 2nd RAIB team deployed.
- ▶ 09:40 hrs- hotel and welfare booked.
- ▶ 10:02 hrs- LI and teams on site 9/11/16.

- ▶ 09:30 hrs 12/11/16. Site handed back.

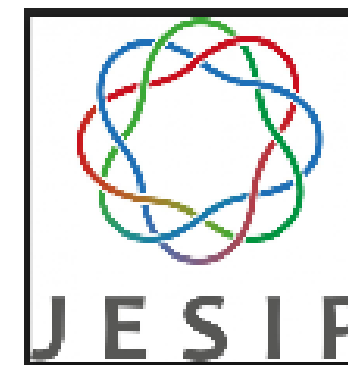
Drone footage



Rail Accident Investigation Branch

Interoperability

- ▶ Investigation from the point of notification
- ▶ Handover from AA
- ▶ Dynamic Risk Assessment (DRA) on the scene
- ▶ Liaison with the BTP / TfL / FRS and USAR
- ▶ Liaison with the Senior Identification Manager (SIM) and Scene Evidence Recovery Manager (SERM), Post Mortem Operational Coordinator (PMOC) regarding the Disaster Victim Identification and pathology.
- ▶ Identification v investigation v crashworthiness v Family liaison.
- ▶ Plan, plan ,plan
- ▶ RAIB or the Police Search Advisor (PoISA)
- ▶ Air support - drone support
- ▶ Tactical meetings - building trust and relationships
(Corporate memory Grayrigg / Clutha incident / Exercise Unified Response)
- ▶ Acronyms and abbreviations - management of a meeting and context?
- ▶ Local Resilience Forum / Site Recovery cell liaison on local issues
- ▶ Operational Investigative Bronze (RAIB/BTP/ORR)

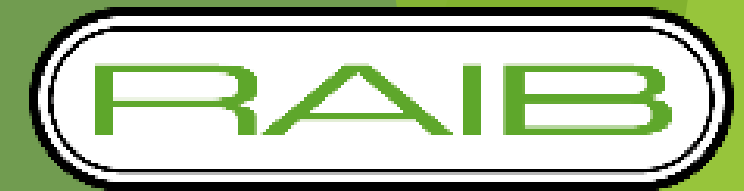


Site management

Objectives

- ▶ Rely on your experience and share that learning in the appropriate way.
- ▶ Establish a time line / identification of evidence / immediate safety lessons-USA? / long term objectives.
- ▶ Witnesses - Open environment : On site / Police custody / hospitals / passengers / FLO strategy
- ▶ Open source / witness appeals / confidential reporting via web page or Self Administered Interviews (SAI)
- ▶ Full site / track and wreckage survey / derailment marks identified.
- ▶ Data-on train recorder / loop data / voice recording / training and competence / SMS documents
- ▶ The tram- vehicle condition / vehicle dynamics / survival space / penetration and ejection
- ▶ Tram maintenance documents
- ▶ Risk assessment and track maintenance documents
- ▶ FFCCTV / Internal / other trams and stations platform CCTV
- ▶ Press /media / open source
- ▶ DVI process - crashworthiness / survival space
- ▶ Post mortem / pathology

- ▶ Wreckage - it is evidence - Education and sharing knowledge
- ▶ Looking after your team and yourself
- ▶ Thinking ahead and influencing objectives



Rail Accident Investigation Branch

The right people with
the right skills



We already knew
and respected each
others objectives
from previous
training.

The recovery process





Key issues

- ▶ Don't lose your corporate memory!!
- ▶ Table top / simulations/ live exercises are the foundations to effective investigations
- ▶ Site management - sterile area- wreckage
- ▶ Actions and recording- legitimate movement of deceased but we need to know.
- ▶ Interoperability
- ▶ Have a PLAN to make decisions and to put the site into context!
- ▶ Communications -airwave / ESN- local impact
- ▶ DVI process - identification and investigation (Marchioness)
- ▶ Forensic science -DNA /contact trace
(paint / fibre / glass)
- ▶ Post scene investigation process
- ▶ Family liaison- don't assume knowledge
- ▶ Debriefs are essential and maintain the momentum for change to implement the lessons learned.



“We cannot make it better, but we can make it a whole lot worse”.