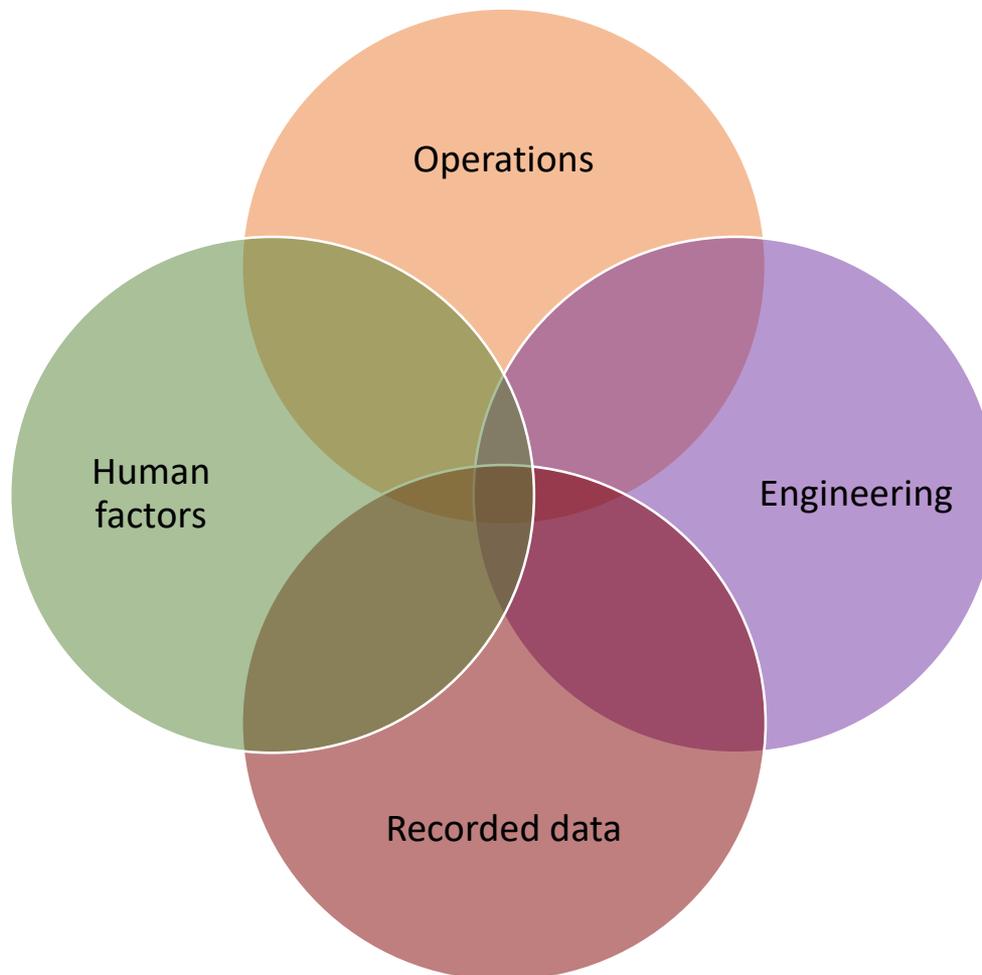


Introduction of human factors discipline in-house at AAIB

Toni Flint

Inspector of Air Accidents (Human Factors)

Investigator in Charge



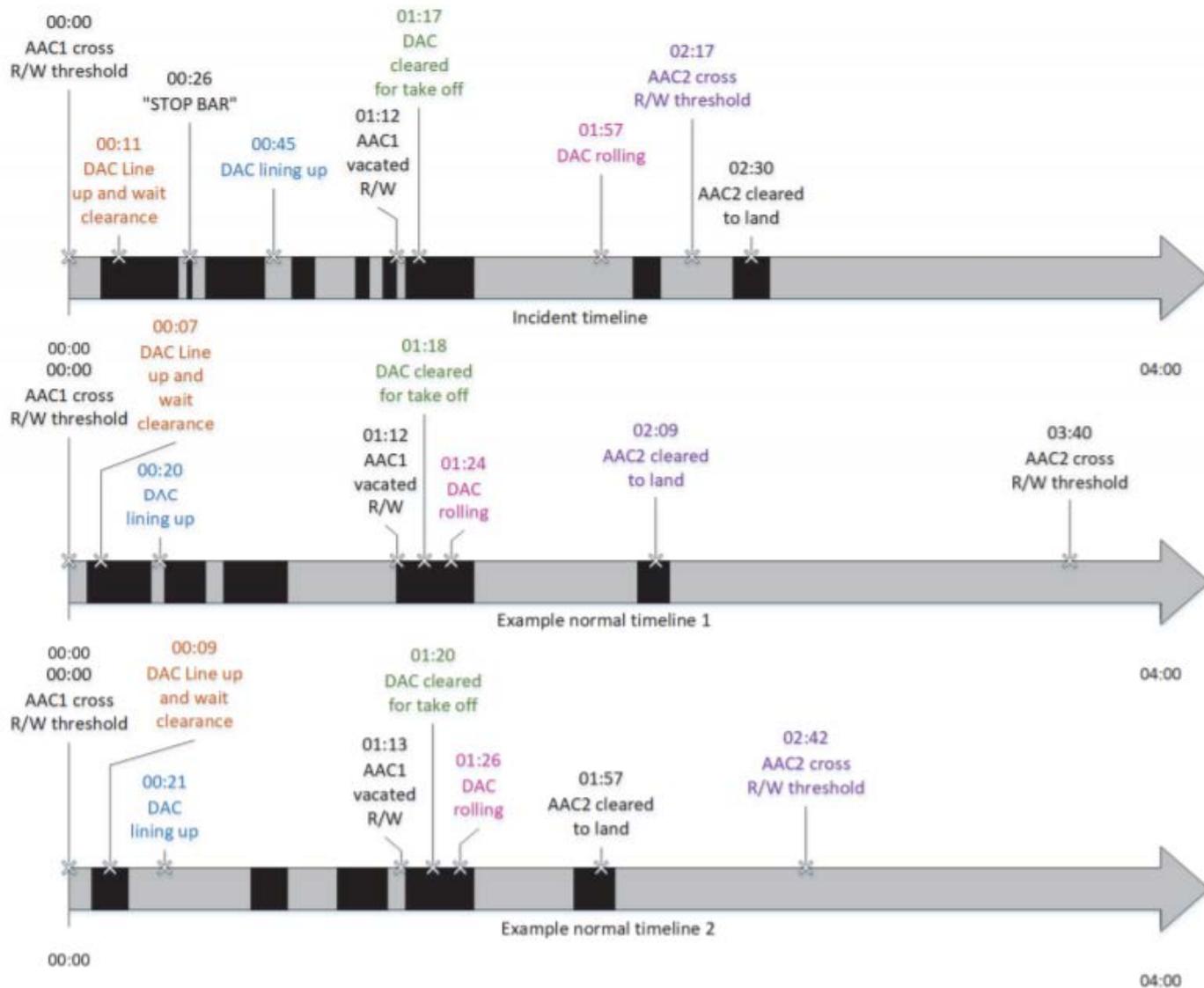
- Explain human performance
- Structured analysis methods
- Research skills
- Access and interpret science
- Systems thinking

Example EI-FJW and OE-IVC

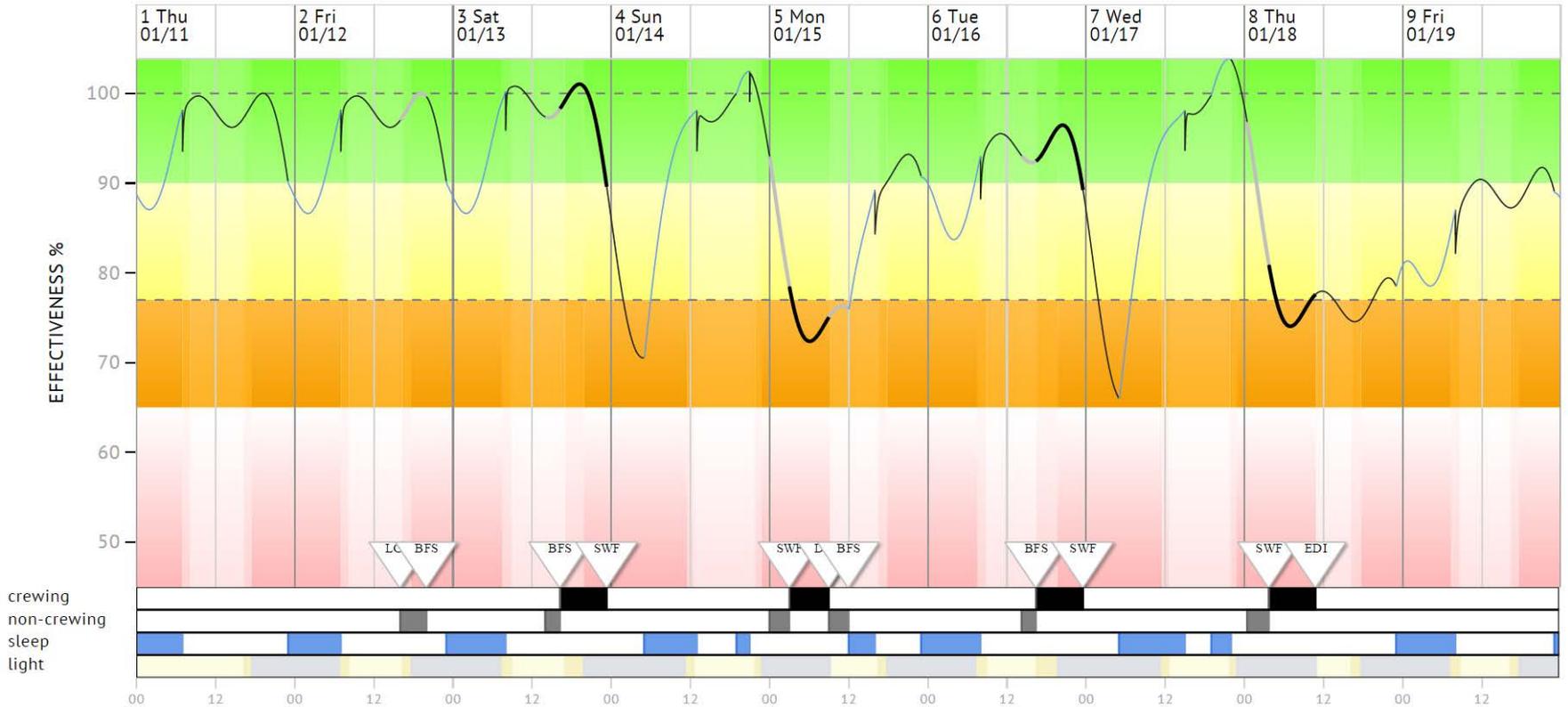


<https://www.gov.uk/aaib-reports/aaib-investigation-to-boeing-737-800-ei-fjw-and-airbus-a320-214-oe-ivc>

Example EI-FJW and OE-IVC



Investigation - Default - LGW

 Sleep: Auto Edit Right Axis: None Time: Base View: Graph Table Both


Ideal:

- Human factors inspector deploys to all major accidents and any others with significant human factors content and remains fully integrated throughout investigation.

Reality:

- One human factors inspector cannot deploy as quickly as inspectors on a roster.
- Human factors inspector not always available.
- Significance of human factors not known in advance.
- Sometimes other inspectors need to establish what has happened before human factors input can be defined.
- Too many investigations have significant human factors elements (workload issues).

- Duty coordinator decides about deployment
- Telephone liaison
- Variable level of human factors input
- Prioritisation

For future:

- Human factors mentoring
- Commission human factors work packages
- Improved human factors training for inspectors

Terms to avoid

- Error
- Failure
- Violation
- Complacency
- Incompetence
- ...

'Use with caution'

- Bias
- Conscientiousness
- Omission
- Situational awareness
- ...

Preferred terms

- Expectation
- Fatigue
- Stress
- Workload
- ...

From Safety I to Safety II: A white paper:

<https://www.skybrary.aero/bookshelf/books/2437.pdf>

