

Team Resource Management (TRM)

Qatar

TRM

- What is TRM
- Benefits of TRM
- Elements of TRM Training course prototype
- TRM and safety culture
- Objective of paper presented by Qatar
- RASG-MID Conclusions 7/1 and 4
- DIP/SEI for consideration by the SEIG/1 TF

What is TRM?

Team Resource Management (TRM) is defined as:

- Strategies for the best use of all available resources - information, equipment and people –
- to optimise the safety and efficiency of Air Traffic Services.

TRM was identified as a way of following CRM principles and both, along with the more recent Maintenance Resource Management (MRM), have now been embraced in the wider context of safety management as interventions that defend aircraft operations against common causes of system failure.

What is TRM?

Like CRM, TRM was based on the recognition that many operational incidents could be traced back to failures in human performance and teamwork.

A [EUROCONTROL](#) initiative led to the creation of one of the first TRM training programmes.

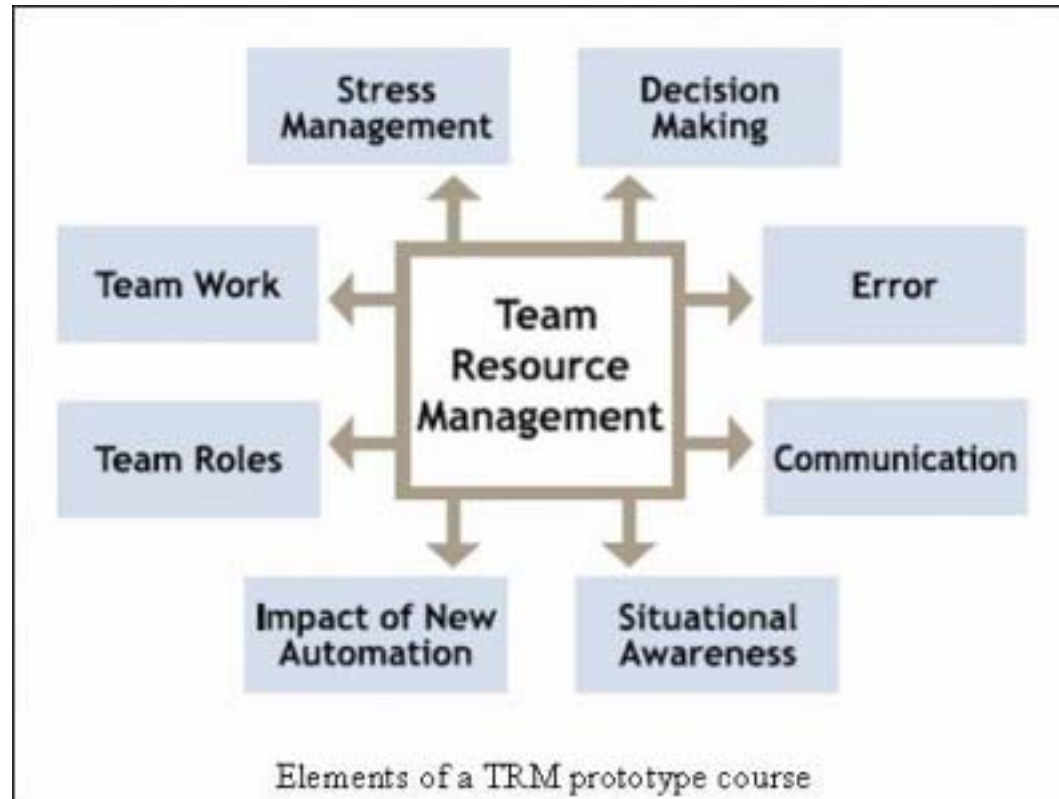
- This prototype included separate modules on Teamwork, Team roles, Communication, [Situational Awareness](#), [Decision Making](#) and [Stress](#).
- Later two additional modules were added to cover the management of error and violation and the impacts of automation.

What is TRM?

- Effective TRM in ATC requires the best use of all available resources in support of a safe and efficient operation which reduces both the incidence of error and the consequences of residual error.
- A focus on TRM is especially designed to improve the functioning of air traffic control teams.
- It does this by increasing the awareness and understanding of interpersonal behaviour and human factor capabilities as they are likely to affect operational safety.

Benefits of TRM

- Reduced teamwork-related incidents
- Enhanced task efficiency
- Improved use of staff resources
- Enhanced continuity and stability of teamwork in ATM
- Enhanced sense of working as a part of a larger and more efficient team
- Increased job satisfaction



TRM and Safety Culture

- Team Resource Management (TRM) training can be a powerful [Safety Culture](#) improvement enabler.
- A properly designed, implemented and sustained TRM program is an important safety initiative for any [Air Navigation Services Provider](#) (ANSP).

Objective of paper presented by Qatar at RASG/7

Consider the more specific needs for the implementation of TRM in ATM and the promotion of training activities including coordination meetings in the MID Region to ensure such implementation.

RASG/7 agreed to explore a new Safety Enhancement Initiative (SEI) on TRM for ATM

- A Detailed Implementation Plan (DIP) related to the SEI to be presented by Qatar (RASG/MID Con 7/1)
- A workshop to be organized jointly by ACAO and ICAO to create awareness on TRM principles and Training Needs including the way forward (RASG MID Con 4)

SEI/DIP by Qatar