AUTOMATION IN ATC

Fabrice Drogoul (EUROCONTROL) & DeepBlue (tbc)

1st October 2020 – 09.00-12.00 CET

The ATM domain is currently heavily relying on human actions and decisions for its operations, leaving no room for fully automated systems and the replacement of human operators as an option. However, in the near future both human and machine can be expected to work together for better efficiency and capacity. Rather than replacing human capabilities all together, future systems must enhance them. In that regard, optimal training and skill development for human-machine coupling is essential.

This workshop will enable participants to grasp the future challenges of automation on skills of Air traffic controllers. The workshop will involve the participants to realise the impact of changes induced by automation on operational tasks and associated skills. New requirements concerning upskilling and reskilling in technical as well as soft or non-technical skills will be illustrated from operational scenarios and challenges for future training will be raised.

Summary of aims:

- A better picture of mid-term future of automation in ATM
- Appreciate the change induced by automation on ATCOs skills
- Discuss challenges of training for future ATCOs competence