

IFF MA 21 / EN

BRAKE SYSTEM FOR RAILWAYS



TARGET AUDIENCE

Brake maintenance technicians, brake maintenance team leaders.



GOALS

- Understand the principle of the braking system and its importance in rail transport, identify the different brake components and their integration into the braking system, understand the physical phenomena involved in braking.



PREREQUISITES

Have a minimum of 3 months experience in the field of equipment maintenance.



EDUCATIONAL MODALITIES

- Training combining theory and practice in a brake workshop equipped with several complete and functional pneumatic models using all the components of a brake system.



DURATION: 4,5 DAYS



PROGRAM

- Know the role of braking, the different types of braking and the role of braking equipment;
- Describe the operation of the brake and the air production system;
- Know the physical phenomena involved;
- Know the operation of a UIC distributor and an AAR distributor;
- Know the operation of a mechanic's valve;
- Describe how the anti-anxiety overload works
- Reconstruct a brake system by identifying the different operating states;
- Know the principle of definition of braked masses.

• **Level 2 assessment:** Assessment of skills acquired at the end of training ➔ **Yes**