



SHARING
EXCELLENCE

TRAINING CATALOG

VOLUME 7

BUILDINGS & TRAIN STATIONS

2021 Edition

CONTENTS

	Page
BIRTH OF IFF.....	1
MISSIONS AND VALUES.....	2
GET TRAINED AT IFF.....	3
THEY RECOMMEND OUR TRAININGS.....	5
THEY TRUST US.....	6
MANAGEMENT HEADWORD.....	7

TRAINING FORMS – BUILDINGS & TRAIN STATIONS

IFF VP01 – QUALITY UPGRADING OF THE STATION	9
IFF VP02 – BUILDING DISORDERS	10
IFF VP06 – STRUCTURAL AND SECOND WORK KNOWLEDGE	11
IFF VP08 – SITE ORGANIZATION AND MONITORING	12

BIRTH OF IFF

ONCF and SNCF, engaged in a **sustainable partnership**, have enabled the successful operation of **the first high-speed link of the African continent**.

April 2013

Final MOU for the creation of the IFF

March 30, 2015

First training sessions



October 2007

Intergovernmental agreement for the creation of the Tanger-Casablanca LGV.



September 2011

Preliminary MOU for the Establishment of the IFF



From this partnership, serving the success of the high-speed line, was born the railway Training Institute (IFF), which had the privilege of being entrusted with **the training of the operators of the high speed**.

The Institute's vocation is to be **a reference player in rail training**. It offers an extensive catalogue of all the skills that are useful for conventional or **high speed rail operations**, as well as **rail freight** and **logistics**, but also available for **urban and peri-urban transport**.

The trainings provided by IFF aim for **excellence** and are intended for the employees of the rail and guided transport actors.

MISSIONS AND VALUES

Four values guide our action : **Customer orientation, Sharing, Excellence and respect.**

We have defined them jointly with our trainers and referents, which provide training and share their expertise under this spirit.

Their concrete realization is the focus of our attention.



GET TRAINED AT IFF

Rabat, capital of Morocco is the great political and administrative center of the country, where the royal palace, government authorities and embassies are located.

Rabat is also a commercial and industrial city where tourism and local crafts play a major economic role.

Located in the north of the country, on the **Atlantic coast**, on the left bank of the mouth of the **Bouregreg** and facing the city of Salé, Rabat is a capital where life is good.

It has been the seat of Mohammed V University and several cultural and educational institutes, such as **IFF since 2015**.



Kasbah of Oudayas



Rabat downtown



Mediterranean climate

- Average maximum temperature: 21.9 °C
- Average minimum temperature: 12.5 °C



Official languages

- Arab
- Amazigh

Spoken language

- French



Currency

- Moroccan Dirham (MAD)



Landmarks

- Tour Hassan
- Kasbah of Oudayas
- Chellah
- The National Library
- The National Theater
- Etc.

GET TRAINED AT IFF



An ideal geographical location

Located in the very heart of the **Agdal district** in Rabat, the Railway Training Institute (IFF) is a 5-minute walk from the **Rabat-Agdal train station**.

The area is also well served by public transport:

- **Tramway**, Avenue de France station
- Various lines of **buses and taxis**



Educational resources

Covering an area of **3 000 sqm**, IFF has been designed to offer its trainees a warm welcome and a work environment conducive to learning:

- **18 training rooms** including 8 equipped with interactive digital boards (**TNI**) spread over 2 floors
- **7 practical work rooms** with **educational models**
- **A multifunctional driving simulator** composed of:

- 6 independent driving cabins
- 2 instructor positions
- 1 observer post

It makes it possible to reproduce the driving consoles of several machines in various configurations, such as:

- **E1400 ONCF locomotive** (ALSTOM Prima II locomotive) in Freight or Passenger configuration
- **Electric Multiple Unit (TSR - ANSALDO BRED A)** in single or double unit
- **High speed Train (Alstom Avelia – Euroduplex)** in single and double configuration

- **A wifi connection** available to all trainees
- **A restaurant area** completely renovated in 2019

THEY RECOMMEND OUR TRAINING

Jean Robert AVATOLI – Railway HRD At SETRAG (Gabon)

«I The training modules provided and the modern teaching methods make the IFF a suitable environment for developing excellence skills. »

Abdoul Aziz DIOP– Engineer - Project manager at ANCF - Senegal

«This institute has allowed us to have a global vision regarding training in the railway sector and we believe that Senegal, ONCF and IFF will in the future be able to establish a collaboration to train railway workers in Senegal. »



Ahmed BENSaid –Stationmaster at ONCF

«On behalf of our 2019 stationmaster promotion, I would like to thank IFF for the efforts that allowed us to have a good time at the institute. This training took place in good conditions thanks to the magnificent instructors and to the IFF staff.»

Houria BENNI SADOUKI – Training manager at SNCF (France)

« As a sponsor of this new learning journey, I could see that beyond the theme, this group work allows participants a real collective work which develops their listening, analysis and synthesis skills and offers the opportunity to discover a multicultural working environment. The support and methodology of the training coach make it easier to step back and make this experience a real moment of personal development. »

Christian MAGNI – Assistant Director of SETRAG (Gabon)

«I was pleased to spend two training months at IFF to acquire knowledge in rail exploitation field. Thanks to this training, I've been appointed Assistant to the CEO of SETRAG. »

* All the modules we offer are systematically subject to a trainee satisfaction test.

THEY TRUST US



MANAGEMENT HEADWORD



Represented by
Mr Karim Eddine CHENNOUF



**Chairman of the
Management Board**



Represented by
Mr Christophe MARTIN



**General
Manager**



IFF is a limited company registered under the Moroccan law, with a Management Board and a Supervisory Council, held at parity by ONCF and SNCF

THE RAILWAY TRAINING INSTITUTE SHARING EXCELLENCE

The **Railway Training Institute (IFF)** opened its doors on March 30, 2015 in Rabat.

Co-developed by SNCF and ONCF, our training courses – more than a hundred - aim to be **innovative**. They are led by the **best specialists** from both companies, as well as by **selected partners**.

From the first months, the commitment of the shareholders and the entire team were able to make the institute a success.

Thus, since 2015, nearly **6.000 trainees yearly**, mainly from SNCF and ONCF, benefit from our training.

In 2017-2018, **more than 17.000 training days** were dedicated to preparing the operation of **high-speed line** in Morocco.

The year 2020 marked a new stage through the development of **distance learning** (virtual classes), thus constituting the first phase of a digitizing content process.

An **85% satisfaction rate** expressed by interns illustrates the ambition for excellence that drives us. These results are shared with limited partners who trust IFF.

Since its creation, IFF has been able to attract the confidence of new operators from **France, Spain, Morocco** in addition to some **West African countries**, in particular **Gabon, Senegal and Ivory-Coast**, by relying on its know-how to develop adapted training.

We are extremely proud of this confidence and the achieved results.

TRAINING FORMS

BUILDINGS & TRAIN STATIONS

The objective of these various training courses is to pilot a building work project in terms of quality, costs and deadlines and to allow the trainees to know the techniques and the rules of implementation to avoid disorders or malfunctions.

The training also aims to initiate an analysis to imagine repair solutions, master the principles and tools of quality management and implement the different stages of a quality approach on site.

QUALITY UPGRADING OF THE STATION



TARGET AUDIENCE

Station managers, executives responsible for quality procedures in relation with customers.



GOALS

- Use the tools of quality management and understand their meaning and usefulness.
- Implement the steps of a quality approach on site.



PREREQUISITES

None.



EDUCATIONAL MODALITIES

Case study, exchanges and sharing of practices, role plays, field audits (station visit), brainstorming.



DURATION: 3 Days



PROGRAM

- Define the principles of quality management and understand their meaning and usefulness for a station.
- Implement the steps of a quality approach on a site and establish the link between the quality approach and the offer of services to travelers.
- Manage the customer journey in the station.



IFF VP 02/ EN

BUILDING DISORDERS



TARGET AUDIENCE

Technician or technical expert in building maintenance.



GOALS

Understand reactions of materials subjected to different types of attacks (mechanical and physical) and be in ability to conduct a prospective analysis based on validation of hypothesis by stages and leading to a repair proposal.



PREREQUISITES

Control the structural work and second work lots training (IFF VP 06).



EDUCATIONAL MODALITIES

Visit of buildings, pedagogy based on the interaction with learners' examples to share experiences.



DURATION: 4,5 Days



PROGRAM

- Remember opposable regulations
- Disorders of foundation earthworks, effect of drought
- Disorders of structures reminder of the main principles of construction, structural calculations, elastic stability and buckling, hyper droop, reinforced concrete structures and prestressed concrete, metal constructions, constructions in masonry, wood monitoring of works and examinations of problems pathology posed by the use of construction materials
- Know the disorders of floors, balconies, partitions, facades, reinforced concrete and metal frames, roofs terraces, exterior joinery (windows of the stairs, floor tiles, brickwork)
- Deal with metal corrosion, know corrosive environments, recognize the manifestations of humidity
- Diagnose and prevent cracks
- Respond to degradation due to alkaline reactions

• **Level 2 assessment:** Assessment of skills acquired at the end of training ➡ **No**

STRUCTURAL AND SECOND WORK KNOWLEDGE



TARGET AUDIENCE

Technical operators or technicians (e.g supervisors in maintenance of buildings.)



GOALS

Follow a mono-technical building site, describe the technical acts of a site, know how to check the methods of Implementation...etc.



PREREQUISITES

To have had a first approach to terminology and trade.



EDUCATIONAL MODALITIES

Videos, DUT standards and technical opinions, IN 2801 Moroccan standards, general estimate of architect and participatory method under group form.



DURATION: 4,5 Days



PROGRAM

- Plumbing: know the materials used, the different sanitary equipment, distribution and evacuation, hot water production;
- Learn about electrical engineering (types of high current installations and weak, grounding, chandeliers and lighting.
- Air conditioning: know decentralized and centralized systems
- Know the different types of heating and their specificities
- Control ventilation (saving energy, knowing choose, interview...)
- Master the hardware
- Knowing how to choose and install partitions, linings and exterior joinery
- Control thermal insulation in the building
- Know the constraints related to floor coverings, false ceilings and control sound insulation.
- Master the glazing and paint used in the building.

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

SITE ORGANIZATION AND MONITORING



TARGET AUDIENCE

All members of a project team (including project manager, wishing to specialize in cost management of a project.



GOALS

Illustrate the role of risk management in a project and the added value it can bring to the smooth running of the project.



PREREQUISITES

IFF MP 02 module "Integrating the project mode "and have experience from 6 months to 1 year in project management.



EDUCATIONAL MODALITIES

Exercises, case studies, videos, work in sub-group, exchange of good practice.



DURATION: 4,5 Days



PROGRAM

- Understand the role of a risk management plan
- Master the risk management approach of a project
- Identify and distinguish between positive and negative risks (Ishikawa, flux...)
- Evaluate the risks and prioritize them (qualitative analysis)
- Develop and control risk response measures (improve opportunities, reduce threats, what to do to residual risks)
- Control actions related to the treatment of risks and periodically reassess (monitor and control risks, performance reports).

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

CONTACT US



ACCESS MAP



Ibn Sina Avenue - AGDAL Rabat, Maroc
GPS Geolocation : 34°00' 00.59"N 06°51'05.57"W



TAILOR MADE TRAININGS

Are you looking for **a training adapted to your needs?**
Contact us for more information.



TRAINING SCHEDULES

Monday to Friday : **8:30 am-5:00 pm**
Closed on weekends.



REMOTELY

- +212 (0) 537 68 00 33
- www.iff-ma.com (Web site)
- contact@iff-ma.com (E-mail)



Institut de Formation Ferroviaire



معهد التكوين السككي
INSTITUT DE FORMATION FERROVIAIRE

SHARING
EXCELLENCE