LA STANDARDISATION, QUELS ENJEUX ÉCONOMICO-FINANCIERS POUR LES RÉSEAUX FERRÉS AFRICAINS ?

JEUDI 26 NOVEMBRE 2020
Message from Mr. Chairman of the UIC – Africa Region
A promising initiative

1. The growth of digitalisation in rail transport: Experiences overview

2. Standardisation: What are the economic and financial stakes for the African railways?
Considerable added-value for a specific sector

- Harmonise Practices
- Control risks
- Increase performance
- Unify methods

- Reinforce coordination
- Boost productivity
- Enhance competitiveness
- Ensure security

- Facilitate exchanges
- Guarantee interoperability
- Promote partnerships
- Recognise Excellence

Successfully integrate the rail system
Major challenges to take on…

Standardisation/Interoperability

- An infrastructure manager receives multiple railway users
- A railway user crosses multiple infrastructures

Design → Construction → Exploitation → Maintenance

STANDARDISATION IN RAILWAYS
Security case: ERTMS system....

- Remedy to the fragmentation of the railway network
- Standardise the multiple systems of signalling
- Provide economic and technical solutions to interoperability

- No train stops at the borders
- No engine changes at the borders
- No driver changes at the borders
- Use ERTMS standardised driving actions
STANDARDISATION IN AFRICAN NETWORKS

Still a Long way to go...

**Paramount obstacles**
- Multiple systems cohabitation
- Rolling equipment diversification
- Heterogeneity: Multiple discrepancies
- Lack of interconnection
- Lack of procedures harmonisation

**Awareness**
- Adopting UIC standards compliant railway system for extension projects and inter-country interconnection ones
- Launch a study (AU) for defining African railways standards

90,000 km
Existing network

14%
Standard discrepancy

12,000 km
HSTA New lines

74
Railway links
STANDARDISATION IN AFRICAN NETWORKS

Four levers to promote...

1. An **investment policy** based on components’ standardisation: rehabilitation of pre-existing network and new extension projects.

2. **Railway expertise** development, using the promotion of training, partnership and the sharing of best practices and skills.

3. **Management system** reinforcement, by adopting guidelines that clearly define common rules to ensure safety and efficiency.

4. Creation of an **African interoperability and safety Agency** aiming at railway standardisation and normalisation in the continent.
THANK YOU FOR YOUR ATTENTION