TECHNICAL ASSISTANCE (TA) FOR THE EASTERN AND SOUTHERN AFRICA (EA-SA) TRANSPORT AND TRANSIT FACILITATION PROGRAMME (TTTFP)

A program funded by the European Union

CORRIDOR TRIP MONITORING SYSTEM (CTMS) in conjunction with TRIPARTITE TRANSPORT REGISTERS AND INFORMATION PLATFORM SYSTEM (TRIPS) to address COVID-19 Remedial Measures in the Tripartite Region
Need for a CTMS

The Transport and Transit Facilitation Programme (TTTFP) identified the need for Corridor Trip Monitoring System (CTMS) to facilitate the continuation of cross-border trade of essential goods during the ongoing crisis occasioned by the novel coronavirus. The CTMS facilitates a regulatory framework that ensure that cross border transport and transit is performed by healthy drivers that are constantly monitored, tracked to reduce the spread of COVID-19 and aimed at reducing extended travel and transit times during the pandemic.

**IMMEDIATE PURPOSE: COVID19 REMEDIAL ACTION**
- Maintain record of driver & crew compliance to medical requirements
- Monitoring trip progression by tracking of vehicle & driver
- Facilitate management of safe transit in cross border road transport operations

**LONG TERM: CORRIDOR PERFORMANCE MANAGEMENT**
- Monitoring trip progression by tracking of vehicle
- Monitor and manage traffic at key borders and ports
- Available to all corridor management institutions
- Tool towards smart corridors

Description of CTMS

The CTMS will be implemented in conjunction with the Tripartite Transport Registers and Information Platform System (TRIPS) using the infrastructure platform. It is envisaged that TRIPS will complement the CTMS functionality to enable Cross Border Road Transport Operators, Drivers, Regulators and Law Enforcement Agents to record and monitor driver wellness and track driver movements against pre-approved route plans.

The CTMS will be underpinned by the legal provisions in the Tripartite Multilateral Road Transport Agreement (MCBRTA):
- A quality regulation of cross border transport where operators are responsible and liable for the quality of operation of both the vehicle and driver and must ensure compliance to receive authorisation to participate in cross border road transportation.
- The availability of operator, vehicle and driver information at the roadside to all law enforcement agencies in the East and Southern African Region through the TRIPS.
APPLICATION PROCESS FOR OPERATORS
The ResponsibleCompetent Person (RCP) of the operator undertaking the journey must register the cross border road transport trip on behalf of the operator on the CTMS prior to the departure. The system will standardise and facilitate authorisation of drivers to perform cross border trips and facilitate contact tracing when such needs arise.

LOCATION TRACKING OF VEHICLES
All vehicles to be used for cross border transport must be equipped with an onboard / embedded satellite navigation system or operator installed vehicle tracking system that must be able to provide vehicle tracking information to the CTMS upon request.

LOCATION TRACKING OF CREW MEMBERS
To further enable improved location tracking, operators is required to issue and register mobile phones for each crew member on the CTMS. Prescribed mobile applications must be installed on the smart phones that will include location tracking and health screening applications. Crew members must record and upload their wellbeing twice daily on the CTMS.

OFFICE APPLICATION FOR AUTHORITIES
Additional Graphical Information System (GIS) based tracking functionality is provided for desktop version of the CTMS for use by authorities where adequate internet connectivity is available for retrieving realtime information such as:

- Tracking of vehicle based on available data released by operator/owner and/or customs cargo tracking data;
- Tracking of driver based on mobile phone tracking application;
- Time based history of route followed by vehicle, including locations where vehicle stopped; and
- Time based history driver movements.
CTMS AT ROADSIDE CHECKPOINTS

COVID-19 checkpoints are to be established on the corridors, preferably at the nearest settlement to the border post with facilities to deal with drivers and crew members of which the test results are positive and allowing only those with a negative test result to proceed to the border post, instead of having to deal with the testing and uncertainty regarding crew members’ COVID-19 status at the border post without adequate facilities.

At such COVID-19 checkpoints, the screening, testing and clearance will be conducted whilst the driver and crew remain within the vehicle.

Officers will have access to the trip, operator, driver and vehicle records by scanning the 2D barcode on the, Operator Disc, Vehicle Certificate of Fitness (COF) Disc, Driving Licence OR PrDP Card by using a compliant TRIPS handheld device.

Test results, test date, time & location together with other symptomatic information is uploaded to the CTMS using the TRIPS handheld device.

Vehicles of which a single crew member tested positive are not allowed to proceed to the border.

TRIPS/ CTMS will manage compliance along all corridors in Tripartite Member States.

Vehicles of which the crew has been cleared are allowed to proceed to the border.

The availability of real time access to medical status, driver symptoms and COVID-19 test results, reduces the waiting and screening times at COVID-19 checkpoints. Screening of vehicles are to be automated using the CTMS and the number of re-tests or new tests to be performed at the checkpoint will be limited to drivers that presented symptoms or drivers with expired negative COVID-19 test results.

This publication was produced with the financial support of the European Union. Its contents are the sole responsibility of the Tripartite Transport and Transit Facilitation Programme and do not necessarily reflect the views of the European Union.

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