



PASSIVE VEHICLE FLEET MANAGEMENT DEVICES

Secretariat Issue Paper #22

Issue Paper Theme: **Major Equipment**

BACKGROUND

The UN Secretariat is currently in the process of replacing the existing passive fleet management devices (FMDs) of its UNOE fleet. Such passive FMDs store vehicle data including speed and travelled distance without transmitting real-time data via mobile communication. Only once the vehicles equipped with a passive FMD return to a predetermined point with available technical infrastructure, data from the FMD system is automatically transmitted and subsequently analysed by the transport section of the mission support component. The replacement of the existing passive FMDs for UNOE vehicles provides a unique opportunity to reuse the still functional systems for COE vehicles. Building on the Secretariat Issue Paper “COE Fuel Consumption Monitoring and T/PCC Accountability” (IP #21), which proposes functional operational odometers as a requirement for a COE vehicle to be considered full in service, passive FMDs can automate the collection and transmission of odometer data.

PROPOSAL

The UN Secretariat vehicle fleet consists of UNOE and COE totalling 34,000 vehicles. Whilst almost all UNOE are fitted with FMD, none of the COE vehicles are fitted with such a device which makes it difficult for the COE to report key vehicle data including odometer readings of their vehicles accurately on monthly basis.

To have an accurate odometer reading on monthly basis from the TCC/PCC and to reduce the burden on the TCC/PCC of reporting the data manually, we propose installing a passive FMD onto the COE vehicles. The device automatically provides the current odometer reading, distance travelled, idling times, and can provide maintenance alerts to contingents’ fleet managers.

PROPOSED MANUAL TEXT

See highlighted changes below:

Amend paragraph 38, Chapter 3, annex A, Vehicles (page 38/271) as follows:

The equipment authorized in the memorandum of understanding must include all minor equipment, checklist items (jacks, driver’s tools, spare tire, etc.) and consumables (less fuel) associated with the vehicle. The United Nations may provide and install fleet management devices in the vehicle facilitating the reporting of odometer readings as specified in paragraph 18, Chapter 2, Annex A.



FINANCIAL IMPLICATIONS

The initial investment related to the installation of FMD will be covered by the UN and will include the cost of the device and installation. As of June 2022, around 15,000 vehicles have been deployed to field missions by T/PCC. Estimating a unit cost of \$1,000 (US dollars) per device, if all COE vehicles were equipped with these devices, the total cost for the UN would be approximately \$15 million.

Eventually, the FMD will reduce direct operational costs from vehicle repair and maintenance, optimized fuel consumption, injury or fatality compensations, insurance cost, and failure to provide transport services. In addition, it will improve the safety of the vehicles and occupants and reduce the number of accidents.

An FMD in combination with a functional odometer will reduce the UN environmental footprint by reducing idling time and cutting unnecessary mileage resulting in reduction of operational costs for UN and Contingents.

PREVIOUS HISTORY

This proposal has not been previously submitted to the COE Working Group for consideration.