



INCLUSION OF ADDITIONAL STORAGE ITEMS FOR BLOOD AND BLOOD PRODUCTS

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Issue Paper Theme: **Medical**

BACKGROUND

Blood and Blood Products are being delivered by a single vendor to UN level 2 and level 3 clinics. Under the responsibility of the Chief Medical Officer (CMO) Blood and Blood Products are being administered and distributed. Due to the more and more robust and challenging mandates in UN missions it seems reasonable to also have Blood and Blood Products on a “more forward level” available, in particular at the light mobile surgical module and the forward surgical module.

Therefore, an electronically driven storage box including a temperature logger will be needed in each module to keep the blood correctly stored between 2 and 8 degrees Celsius for 48 hours.

The reports of the High-Level Independent Panel on Peacekeeping and by General Cruz titled “Improving Security of United Nations Peacekeepers” emphasized the need to improve medical support to peacekeeping missions by improving the provision of health care. Due to the more and more robust natures of UN missions, in particular in remote areas, new means of life-saving measures by early blood transfusion have to be installed not only in UN level 2 and level 3 clinics but also “more forward”, in particular, within the light mobile surgical module and the forward surgical module to make the application of blood and blood products expedient.

The additional equipment proposed will improve the availability of blood and blood products “far forward”.

PROPOSAL

It is proposed to have functional blood and blood products (recommendation of four blood bags) available in each light mobile surgical module and each forward surgical module in a reliable **electronically driven storage device which includes a temperature logger** in order to keep and ensure the quality of blood and blood products for at least 48 hours.

As an example, some equipment pictures are illustrated below:



To be listed in the COE Manual Chapter 3, Annex C, Appendix 7.1, Light Mobile Surgical Module, paragraph A, resuscitation area and in Chapter 3, Annex C, Appendix 11 Forward Surgical Module.



FINANCIAL IMPLICATIONS

Adding this device into light mobile surgical modules and forward surgical modules will have financial implication to the facilities currently deployed to United Nations field missions. However, blood “forward” given in early emergency treatment of haemorrhage, may potentially save lives due to early transfusion.

The estimate cost of an electronically driven blood storage box is around \$750 (US dollars) for each storage box (Generic Fair Market Value). As of June 2022, five surgical modules have been deployed to peacekeeping missions. Considering an estimated useful life of five years, 0.1 no fault incident factor and maintenance rate calculation at 0.5 % of GFMV, the monthly wet lease rate is \$16.31/month/ item (\$195.75/ item a year).

Therefore, the overall financial implication is \$978.60 per year.

Final overall annual cost increase will be **\$4,500**.

PREVIOUS HISTORY

This proposal has not been previously submitted to the Contingent-Owned Equipment Working Group for its consideration.