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Performance Control of High Risk Medical Equipment on Maintenance Management

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Introduction

It is essential that high risk medical equipment in hospital can be maximized their availability and assist Health Care Providers to deliver People-centered Care in a professional manner. In order to facilitate maintenance management, the implementation of high risk medical equipment to be covered by valid maintenance contracts not only allows medical equipment to have distinctive quality service, but also enhances utilities output and increase uptime of equipment through tailor-made maintenance plan. Such zero-tolerance maintenance coverage is worthy to have performance control integration for better audition.

Objectives

- (1)to ensure high risk medical equipment having maintenance contracts coverage at all time
- (2)to maintain the workflow of communication among stakeholders on maintenance contracts creation and association

Methodology

- (1)Customized analysis was applied to measure high risk medical equipment's maintenance condition, according to data retrieved from EAM in a monthly basis. The analysis includes the evaluation of expiry date (up-to-date) on maintenance contracts coverage among high risk medical equipment in KWC, together with the collection of data for assets with maintenance contracts that will be expired within 3 months. Besides hospital-based pivot tables are provided for better tracking of related assets
- (2)Templates are set for creation and update of maintenance contracts so that data integrity can be sustained by following guidelines on it. Templates will then be submitted to CPMM (Cluster Procurement & Materials Management) for creating/updating the maintenance contracts by inputting data into the EAM system.

Once the contracts are created, notification will be prompted by CPMM and corresponding maintenance contracts association can be taken action.

Result

Results:

(1) Monthly analysis has been conducted since the launch of EAM. Hospitals can have enough time periods for managing assets with maintenance contracts that will be expired. Therefore, it guarantees zero-tolerance maintenance contract coverage to be implemented among high risk medical equipment.

(2) The use of templates can allow local hospitals' maintenance team to have a standard operating procedure (SOP) as the guideline, the communication has been strengthened and accelerate the processing time for dealing with the corresponding maintenance contracts

Conclusions:

The performance control integration in above has a convincing effect to manage the maintenance condition of high risk medical equipment and act as a crucial part to ensure the delivery of high standard professional care to patients in hospital environment.