limited to, automated toolboxes, lockers, tool crib management systems, vending equipment, unmanned tool cribs, inventory scale systems, etc.

[0003] One of the problems related with the automated tool control storage devices is that various aspects of such tool control storage devices must be configured prior to their use. Examples of such configurable aspects and procedures include work locations, authorized users, authorized user access rights, languages, user groups, and user group access rights. Configurable aspects and procedures additionally include notifications and/or alerts, more specifically, recipients, types, and/or delivery methods related with such notifications/alerts. Other configurable aspects and procedures include reports, particularly, related with report recipients, report type, and/or report delivery options. In some cases, such configurable aspects and procedures may also include audit types, scheduling, and the like. In addition, typical configurations for such automated tool control storage devices are manually performed and, in many cases, pre-set to the default configurations. Moreover, those configurations must be manually modified if the automated tool storage device are to be moved from one work group and/or location to another work group and/or location, which require different configurations. This process is inefficient and time consuming.

[0004] In view of foregoing shortcomings, there is a need for an improved system and method that enables the tool control storage devices to be automatically configured for any aspects and procedures that respond to such changes in the work group and/or location. Such an improved system and method may also send an alert and/or notifications to the users.

SUMMARY

[0004a] In a first aspect, the present disclosure provides an inventory control system comprising: a storage device including a plurality of storage locations for storing objects; a sensing system configured to associate the storage device with a first location and with a second location; a data storage configured to store configurable data of the storage device;

and one or more processors communicatively coupled to the storage device and the sensing system, the one or more processors configured to: in response to receiving information associating the storage device with the first location from the sensing system, send configurable data corresponding to the first location to the storage device; and in response to receiving information associating the storage device with the second location from the sensing system, send configurable data corresponding to the second location to the storage device.

[0004b] In a second aspect, the present disclosure provides a method for an inventory control system, comprising the steps of: storing a plurality of objects in storage locations of a storage device; storing, with a data storage, configurable data of the storage device; associating, with a sensing system, the storage device with a first location; in response to associating the storage device with the first location, sending configurable data corresponding to the first location to the storage device; after sending configurable data corresponding to the first location to the storage device, associating, with the sensing system, the storage device with a second location; and in response to associating the storage device with the second location, sending configurable data corresponding to the second location to the storage device.

[0004c] In a third aspect, the present disclosure provides a non-transitory computer-readable medium storing executable instructions for carrying out a process comprising the steps of: monitoring presence of a plurality of objects in storage locations of a storage device; storing, to a data storage, configurable data of the storage device; receiving a first message from a sensing system associating the storage device with a first location; in response to receiving the first message, sending configurable data corresponding to the first location to the storage device; receiving a second message, after the first message, from the sensing system associating the storage device with a second location; and in response to receiving the

second message, sending configurable data corresponding to the second location to the storage device.

BRIEF DESCRIPTION OF THE DRAWINGS

[0005] Operation of the invention may be better understood by reference to the detailed description taken in connection with the following illustrations. These appended drawings form part of this specification, and any written information in the drawings should