

Activation and Deactivation of Protected Items

Protected items can have active or inactive status. The status of a protected item is defined by the value of the 8th bit of **rs_LoFlags** field (**nsafi_InactiveFlag**). If this bit is set, the item has inactive status.

If a protected item is active, you can perform all actions programmed for this item. If the item is inactive, any actions with it are restricted except for activation.

Activation and deactivation of protected items is done using special Guardant API functions. You need to specify a password for executing an operation. There is a special counter (**rs_ErrorCounter**) for protecting against password screening. This counter will decrement at each unsuccessful attempt to enter a password. Once the counter reaches zero, the item will be blocked in its current status and turns into an item with unchangeable status.

Important information



One and the same counter is used for activation and deactivation services, which is decremented upon the use of wrong password in any of the services.

After you enter a correct password after several attempts the counter's value is not restored!

An unchangeable item remains in the status that it had once the counter of unsuccessful password entry attempts zeroed. You cannot perform any operations with this item except **GrdTransform**, only if the item had the active status before locking.

This status is an additional one to active/inactive statuses; otherwise the user may lose the opportunity to use not only new functions but also the existing ones upon unsuccessful attempt to update the algorithm data.