NCIS GUIDE

on Complexity Bands in NCIS.Med

National Cancer Control Programme
NCIS Guide
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1. Background

The NCCP have published a Capacity Planning Toolkit for parenteral SACT compounding and dispensing in hospital pharmacy departments. As part of this toolkit, a Complexity Band may be applied to each product manufactured in the aseptic compounding unit as well as all products that have been outsourced. Complexity Bands from 0-5 and the timings associated with each Complexity Band have been based on a consensus from the working group benchmarked to international practice.

In NCIS, Complexity Bands are managed via the "additional articles and services" functionality. Complexity Bands are built either at drug or regimen level depending on whether multiple presentations of the dosage form exist (i.e. syringe, infusion, infusor).

This quick guide explains how to use Complexity Bands in NCIS and reporting options for Complexity Bands.

2. Associated documentation

- NCCP Parenteral SACT Capacity Planning Toolkit Implementation Document Version 1 07/06/2017
- NCCP Parenteral SACT Capacity Planning Toolkit User Manual Version 1 07/06/2017

3. Complexity Bands built into NCIS

The NCIS Office has built Complexity Bands in the drug file, and into NCCP regimens where more than one complexity band exists for a drug. For example, fluorouracil:

- Complexity Band 1 built for fluorouracil prepared in ACU as bolus *(drug file)*
- Complexity Band 5 built for fluorouracil prepared in ACU as infusor *(regimen)*

Products in the drug file for out-sourced pathways are set up with a Complexity Band of 0:

- Products with "(out-sourced)" included in the product name e.g. CARBOplatin (out-sourced)
- Dose banded products e.g. CARBOplatin IV Infusion (DB) in 250mL Glucose 5%

4. Lot management of Complexity Bands

Complexity Bands in NCIS are set up via the "additional articles and services" functionality. Two lots are set up for each Complexity Band:

1. USE THIS BAND, expiry 31/12/2098
2. IGNORE THIS BAND, expiry 31/12/2099

These lots are set up by the NCIS Office in advance of go-live. Lot deduction has been turned off for complexity bands. **Therefore, lot management is a once-off set-up by the NCIS Office and no action is required by hospital users for lot management.**

5. Using Complexity Bands in NCIS

Scenario 1: one Complexity Band built for product
The majority of products will only have one Complexity Band built at drug file level, as they only have one final presentation e.g. CISplatin infusion. For these products, the functionality has been set up for the Complexity Bands to automatically populate.

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Figure 1: *Parts list for product with one Complexity Band (lot "1 USE THIS BAND" auto-selected)*

Scenario 2: two Complexity Bands built for product

In some cases, two Complexity Bands will be pulled through to the parts list and the user can select the appropriate lots for that preparation. For example, fluorouracil may be prepared as a bolus, an infusion or an infusor, with different Complexity Bands assigned to each preparation type. One Complexity Band will be pulled through from the drug file, while another Complexity Band will be pulled through from the NCIS regimen.

Figure 2: *Two Complexity Bands pulled through to parts list*

The user can then select the appropriate lots. In the above example, fluorouracil is being prepared as an infusor, so the appropriate band is "Complexity Band 5."
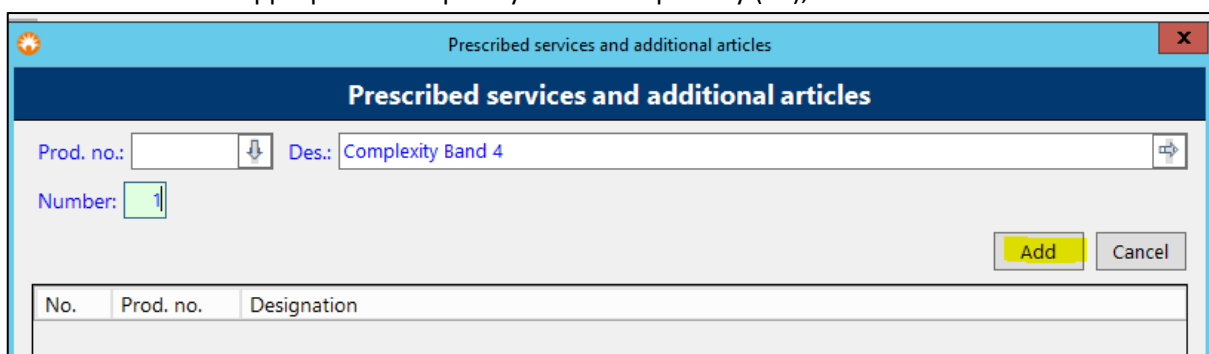

Figure 3: *User selects appropriate lots for both Complexity Bands*

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6. Adding or editing a Complexity Band

It is possible to add Complexity Bands in the pharmacist verification screens, or to edit Complexity Bands which have been pulled through from the NCIS regimen. This functionality could be used if the local hospital wished to assign a different Complexity Band, on a case-by-case basis, to that which has been pre-entered in the NCIS drug file and/or NCIS regimen, or if a medication has been added as an ad-hoc planned medication to a therapy plan.

To add a Complexity Band, click on *Insert services/additional articles* within the pharmacist verification screen and add the appropriate Complexity Band and quantity (=1), then click add.

Figure 4: Adding a Complexity Band at pharmacist verification

7. Reporting on complexity bands in NCIS

NCIS.Med provides a number of reporting options. The Cost Centre Accounting report provides a flexible reporting solution, which could be used to report on Complexity Bands within a defined time period.

The below example from the Training Environment shows how this report can be used to retrieve information on Complexity Bands, on the proviso that the lots for Complexity Bands have been correctly selected within the parts list.

Figure 5 shows the fields that were ticked to retrieve the information shown in *Figure 6.* The field *Display pharmaceutical services and products* should be ticked to show the Complexity Bands. The report can be filtered to include main medications only, and ticking *Pieces,* displays the numbers of each Complexity Band used within the time period.

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Figure 5: Sample Cost Centre Accounting report for reporting on Complexity Bands

Figure 6: Sample report generated based on the parameters ticked in Figure 5