

GS1 barcoding at the CSSD

(Central Sterile Services Department)

What does it?

René Bults
Manager CSSD
Bernhoven hospital Uden, the Netherlands

20 oktober 2015





Content:

- What is a CSSD (Central Sterile Services Department)
- Shortcomings
- Project GS1 barcode
- What's next

CSSD:

Desinfection room



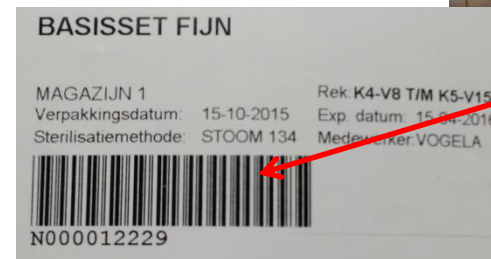
Compose room



Barcode scan

Control system Chipsoft

Unique N number



CSSD:

Sterile storage



Evaluating the proces
Release the charge
Barcode scan



Our Shortcomings

- No traceability from external materials after sterilization.
- Stress search.
- No linking with external digital operation reports.
- Barcodes aren't readable in other applications.



Project GS1 barcode

- First step with the external production.
- A new tracking & tracing system.
- Creating a unique barcode, which can be read out everywhere.
- Current barcode will be completed with a extra GS1 barcode.



Our method

What did we do?

- Instrument kits have a GS1 GTIN code
- Transport boxes have a GS1 GRAI code.
- The locations have a GS1 GLN number



Building the GS1 barcode

- After the sterilization process is released.
- Scanning the Chipsoft N-number from the kit.
- Print the new GS1 barcode.
 - Instrumentkit, user, customer, expiration date and lot number are part of the barcode.

The new label

BASISSET FIJN

MAGAZIJN 1

Verpakkingsdatum: 15-10-2015

Sterilisatiemethode: STOOM 134

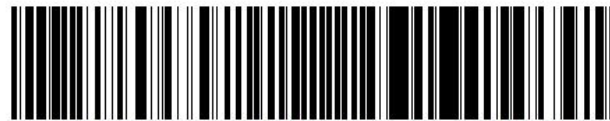
Rek: K4-V8 T/M K5-V15

Exp. datum: 15-04-2016

Medewerker: VOGELA

N-nummer: N45508370

EXP: 2016-01



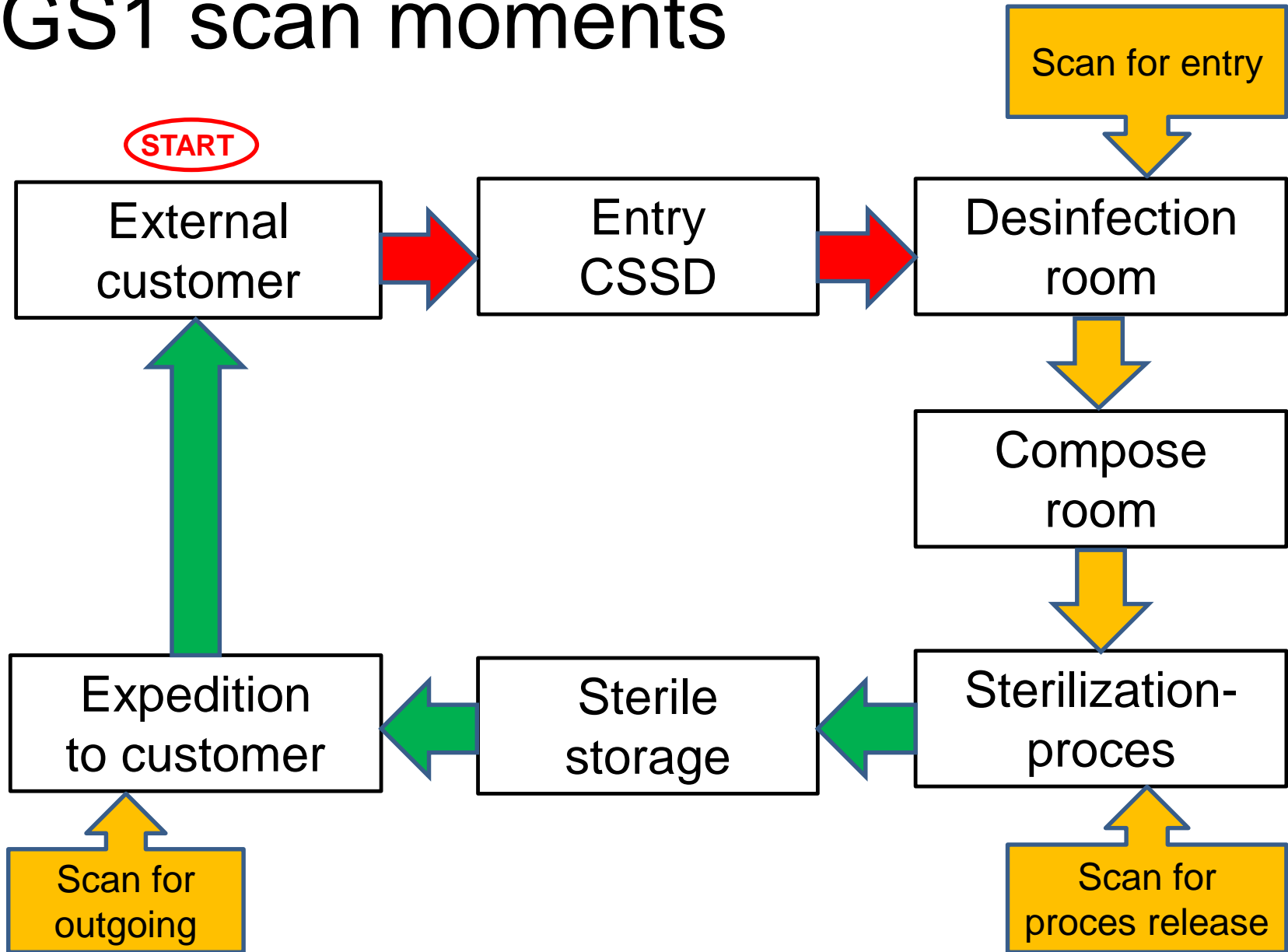
(01) 0 8718836 93333 2 (17) 160100 (21) N45508370



Now possible:

- Batch scanning by loading the boxes.
- Scanning for the outgoing boxes.
- Scanning at the entry point.
- Realtime to follow the instrument kits.
- No more stress search.


GS1 scan moments





What's next?

- Now running a trial period.
- Then all Bernhoven kits.
- Integrate a GS1 barcode in Chipsoft.
- RFID tags based by GS1 standards.
- Digital proces releasing, by linking applications.



2016 - 2017

- No more stress
- No more searching
- Improving patient safety

So.... Everyone is Happy!

Thank you for your interest.