



EUROPEAN  
SPALLATION  
SOURCE

|                 |                    |
|-----------------|--------------------|
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| Date            | June 7, 2017       |
| Revision        | 0.1                |
| State           | Early Draft        |
| Classification  | Public             |
| Page            | 1 (12)             |

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# ICS Engineering Manual

FOR AN ICS INVENTORY SYSTEM

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|          | Name (Role/Title)                |
|----------|----------------------------------|
| Author   | Jeong Han Lee, (han.lee@esss.se) |
| Reviewer | TBD                              |
| Owner    | ICS                              |
| Approver | ICS                              |

# Contents

|                                  |           |
|----------------------------------|-----------|
| <b>Contents</b>                  | <b>2</b>  |
| <b>1 Overview</b>                | <b>3</b>  |
| 1.1 Scope . . . . .              | 3         |
| 1.2 Target Audience . . . . .    | 3         |
| <b>2 Frequently Usage Case</b>   | <b>3</b>  |
| 2.1 MTCA . . . . .               | 3         |
| 2.2 Network Device . . . . .     | 5         |
| <b>3 Predefined Bar Codes</b>    | <b>6</b>  |
| 3.1 Vendor Codes . . . . .       | 6         |
| 3.2 FormFactor Codes . . . . .   | 8         |
| 3.3 ICS Location Codes . . . . . | 9         |
| 3.4 Status Codes . . . . .       | 10        |
| 3.5 Model Codes . . . . .        | 11        |
| <b>4 Action Bar Codes</b>        | <b>12</b> |

|                 |                    |
|-----------------|--------------------|
| Description     | Engineering Manual |
| Document number | ESS-XXXXXXX        |
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## **1 Overview**

### **1.1 Scope**

- The purpose of this document is to describe how the ICS inventory system works.
- The purpose of this document is to provide the predefined bar codes in order to help users to stock any equipmen with only given bar code scanner.

### **1.2 Target Audience**

This document is targeted to ICS engineers and technical stakeholders of the ICS inventory system.

## **2 Frequently Usage Case**

### **2.1 MTCA**

#### **2.1.1 MTCA IOxOS IFC1410**

#### **2.1.2 MRF EVR-300DC**

|                 |                    |
|-----------------|--------------------|
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### 2.1.3 MTCA NAT-MCH-PHYS



Form Factor : MTCA



Vendor : NAT



Model : NAT-MCH-PHYS

|                 |                    |
|-----------------|--------------------|
| Description     | Engineering Manual |
| Document number | ESS-XXXXXXX        |
| Date            | June 7, 2017       |
| Revision        | 0.1                |
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## **2.2 Network Device**

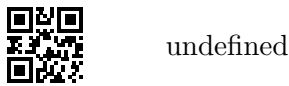
### **2.2.1 MOXA Nport 6650**

### **2.2.2 HP Network Switch**

|                 |                    |
|-----------------|--------------------|
| Description     | Engineering Manual |
| Document number | ESS-XXXXXXXX       |
| Date            | June 7, 2017       |
| Revision        | 0.1                |
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| Classification  | Public             |

### 3 Predefined Bar Codes

#### 3.1 Vendor Codes



undefined



ess



mrf



ioxos



wiener



moxa



nat



concurrent

|                 |                    |
|-----------------|--------------------|
| Description     | Engineering Manual |
| Document number | ESS-XXXXXXXX       |
| Date            | June 7, 2017       |
| Revision        | 0.1                |
| State           | Early Draft        |
| Classification  | Public             |



schroff



struck



dell



samsung



hp



ibm



caen



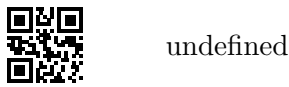
raritan



dymo

|                 |                    |
|-----------------|--------------------|
| Description     | Engineering Manual |
| Document number | ESS-XXXXXXXX       |
| Date            | June 7, 2017       |
| Revision        | 0.1                |
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| Classification  | Public             |

### 3.2 FormFactor Codes



undefined



mtca



pcie



cpci



pmc



vme



|                 |                    |
|-----------------|--------------------|
| Description     | Engineering Manual |
| Document number | ESS-XXXXXXXX       |
| Date            | June 7, 2017       |
| Revision        | 0.1                |
| State           | Early Draft        |
| Classification  | Public             |

### 3.3 ICS Location Codes



undefined



icslab



utgard



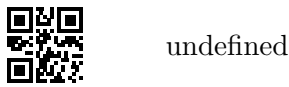
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|                 |                    |
|-----------------|--------------------|
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| Document number | ESS-XXXXXXXX       |
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### 3.4 Status Codes



undefined



stock



inservice



disposed

|                 |                    |
|-----------------|--------------------|
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### 3.5 Model Codes



undefined



vme-evm-300



mtca-evr-300u



pcie-evr-300dc



Moxa-Nport-6650



Dyno-LabelWriter-450-Duo



NAT-MCH-PHYS



microSD-EVO-32G

|                 |                    |
|-----------------|--------------------|
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## 4 Action Bar Codes



Save and overwrite each scanned PV in each csv file (per second)



Save and overwrite each scanned PV in each json file (per second)



Save and append each scanned PV to CSV file which JIRA can import (per day)



Clear all scanned PVs



Push the scanned PVs to RDB and JIRA



Push the scanned PVs to RDB