



EUROPEAN  
SPALLATION  
SOURCE

Description	Engineering Manual
Document number	ESS-XXXXXXXX
Date	August 16, 2017
Revision	0.1
State	Early Draft
Classification	Public
Page	1 (15)

---

---

# ICS Engineering Manual

FOR AN ICS INVENTORY SYSTEM

---

---

	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 Honeywell Xenon Scanners 1900 and 1902g</b>	<b>4</b>
2.1 Basic Configuration . . . . .	4
<b>3 Frequently Usage Case</b>	<b>5</b>
3.1 MTCA . . . . .	5
3.2 Network Device . . . . .	6
<b>4 Predefined Bar Codes</b>	<b>7</b>
4.1 Vendor Codes . . . . .	7
4.2 FormFactor Codes . . . . .	9
4.3 ICS Location Codes . . . . .	10
4.4 Status Codes . . . . .	11
4.5 Model Codes . . . . .	12
<b>5 Action Bar Codes</b>	<b>13</b>

Description	Engineering Manual
Document number	ESS-XXXXXXXX
Date	August 16, 2017
Revision	0.1
State	Early Draft
Classification	Public

# 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.

Description	Engineering Manual
Document number	ESS-XXXXXXX
Date	August 16, 2017
Revision	0.1
State	Early Draft
Classification	Public

## 2 Honeywell Xenon Scanners 1900 and 1902g

Note that there are different procedure to setup Xenon 1900 corded scanner and Xenon 1902g cordless scanner. Please consult each manual in detail.

### 2.1 Basic Configuration



**Figure 1** Default Settings.



**Figure 2** USB Serial Setting.



**Figure 3** Silent Mode for Corded Scanner.



**Figure 4** Silent Mode for Cordless Scanner.

Description	Engineering Manual
Document number	ESS-XXXXXXX
Date	August 16, 2017
Revision	0.1
State	Early Draft
Classification	Public

## **3 Frequently Usage Case**

### **3.1 MTCA**

#### **3.1.1 MTCA IOxOS IFC1410**

#### **3.1.2 MRF EVR-300DC**

Description	Engineering Manual
Document number	ESS-XXXXXXX
Date	August 16, 2017
Revision	0.1
State	Early Draft
Classification	Public

## **3.2 Network Device**

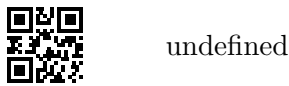
### **3.2.1 MOXA Nport 6650**

### **3.2.2 HP Network Switch**

Description	Engineering Manual
Document number	ESS-XXXXXXXX
Date	August 16, 2017
Revision	0.1
State	Early Draft
Classification	Public

## 4 Predefined Bar Codes

### 4.1 Vendor Codes



undefined



ess



mrf



ioxos



moxa



nat



concurrent



schroff

Description	Engineering Manual
Document number	ESS-XXXXXXXX
Date	August 16, 2017
Revision	0.1
State	Early Draft
Classification	Public



struck



caen



raritan



dymo

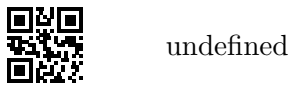


Honeywell



Description	Engineering Manual
Document number	ESS-XXXXXXXX
Date	August 16, 2017
Revision	0.1
State	Early Draft
Classification	Public

## 4.2 FormFactor Codes



undefined



mtca



pcie



cpci



pmc



vme

Description	Engineering Manual
Document number	ESS-XXXXXXXX
Date	August 16, 2017
Revision	0.1
State	Early Draft
Classification	Public

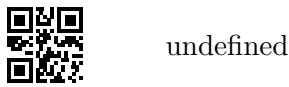
## 4.3 ICS Location Codes



undefined

Description	Engineering Manual
Document number	ESS-XXXXXXXX
Date	August 16, 2017
Revision	0.1
State	Early Draft
Classification	Public

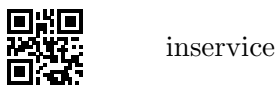
## 4.4 Status Codes



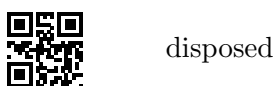
undefined



stock










inservice



disposed

Description	Engineering Manual
Document number	ESS-XXXXXXXX
Date	August 16, 2017
Revision	0.1
State	Early Draft
Classification	Public

## 4.5 Model Codes

	undefined
	MTCA EVR 300U
	Concurrent CPU
	MTCA 3U Crate
	NAT Power Module
	NAT-MCH-PHYS
	Barcode Scanner Xenon 190x

Description	Engineering Manual
Document number	ESS-XXXXXXXX
Date	August 16, 2017
Revision	0.1
State	Early Draft
Classification	Public

## 5 Action Bar Codes



Clear all scanned PVs



————— place holder —————



Enable Label Printing after JIRA action (JC)



Disable Label Printing after JIRA action (JC)



————— place holder —————



Create an JIRA issue



Update an JIRA issue (Scan Hash ID and other fields first)



Delete an JIRA issue (Scan Hash ID first)

Description	Engineering Manual
Document number	ESS-XXXXXXXX
Date	August 16, 2017
Revision	0.1
State	Early Draft
Classification	Public



Search an JIRA issue (Scan Hash ID first)



Define the Child (Scan Hash ID later)



Define the Parent (Scan Hash ID later)



————— place holder —————



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



Push the scanned PVs to RDB and JIRA



Push the scanned PVs to RDB



————— place holder —————



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

Description	Engineering Manual
Document number	ESS-XXXXXXXX
Date	August 16, 2017
Revision	0.1
State	Early Draft
Classification	Public



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