



EUROPEAN
SPALLATION
SOURCE

Description	Engineering Manual
Document number	ESS-XXXXXXX
Date	August 2, 2017
Revision	0.1
State	Early Draft
Classification	Public
Page	1 (17)

ICS Engineering Manual

FOR AN ICS INVENTORY SYSTEM

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

Contents

Contents	2
1 Overview	3
1.1 Scope	3
1.2 Target Audience	3
2 Honeywell Xenon Scanners 1900 and 1902g	4
2.1 Basic Configuration	4
3 Frequently Usage Case	5
3.1 MTCA	5
3.2 Network Device	6
4 Predefined Bar Codes	7
4.1 Vendor Codes	7
4.2 FormFactor Codes	10
4.3 ICS Location Codes	11
4.4 Status Codes	12
4.5 Model Codes	13
5 Action Bar Codes	15

Description	Engineering Manual
Document number	ESS-XXXXXXX
Date	August 2, 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 2, 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 2, 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 2, 2017
Revision	0.1
State	Early Draft
Classification	Public

3.2 Network Device

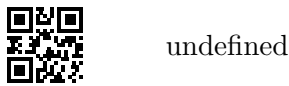
3.2.1 MOXA Nport 6650

3.2.2 HP Network Switch

Description	Engineering Manual
Document number	ESS-XXXXXXXX
Date	August 2, 2017
Revision	0.1
State	Early Draft
Classification	Public

4 Predefined Bar Codes

4.1 Vendor Codes



undefined



ess



mrf



ioxos



wiener



moxa



nat



concurrent

Description	Engineering Manual
Document number	ESS-XXXXXXXX
Date	August 2, 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	August 2, 2017
Revision	0.1
State	Early Draft
Classification	Public



Honeywell

Description	Engineering Manual
Document number	ESS-XXXXXXXX
Date	August 2, 2017
Revision	0.1
State	Early Draft
Classification	Public

4.2 FormFactor Codes



undefined



mtca



pcie



cp ci



pmc



vme

Description	Engineering Manual
Document number	ESS-XXXXXXX
Date	August 2, 2017
Revision	0.1
State	Early Draft
Classification	Public

4.3 ICS Location Codes



undefined



icslab



utgard



site



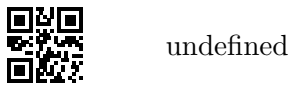
ess



office

Description	Engineering Manual
Document number	ESS-XXXXXXXX
Date	August 2, 2017
Revision	0.1
State	Early Draft
Classification	Public

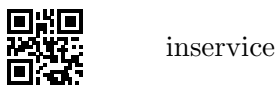
4.4 Status Codes



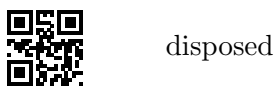
undefined



stock



inservice



disposed

Description	Engineering Manual
Document number	ESS-XXXXXXXX
Date	August 2, 2017
Revision	0.1
State	Early Draft
Classification	Public

4.5 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

Description	Engineering Manual
Document number	ESS-XXXXXXXX
Date	August 2, 2017
Revision	0.1
State	Early Draft
Classification	Public



Scanner-Xenon-190x

Description	Engineering Manual
Document number	ESS-XXXXXXXX
Date	August 2, 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 2, 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 2, 2017
Revision	0.1
State	Early Draft
Classification	Public



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