EUROPEAN
SPALLATION
SOURCE

Description	Factory Acceptance Test ICS - MTCA crate
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Page	1 (7)

Factory Acceptance Test ICS

MTCA CRATE

SCHROFF MICROTCA.4 SYSTEM, 9U, 84 HP - SN: 1171700405AC - ICS TAG-621

	Name (Role/Title)
Operator(s)	Simone Farina (Embedded Systems Engineer)
Quality Manager	N.A.

Operator(s) Signature

Quality Manager
Signature

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Date: July 12, 2017

1 Hardware Components

The Device Under Test (from now on simply referred by DUT) is a Schroff MicroTCA.4 system, 9U, 84 HP MTCA crate comprising the following components which are property of European Spallation Source ERIC:

Name	ICS-TAG	Vendor Documentation
MTCA Crate 11850-026	TAG-621	https://schroff.pentair.com/en/schroff/microtca/microtca4-system–9-u–84-hp–for-12-double-midsize-advancedmc-modules-11850-026a
NAT-MCH-PHYS	TAG-626	http://www.nateurope.com/products/NAT-MCH-PHYS.html
WIENER 1000W PM	TAG-636	http://www.wiener-d.com/sc/power-supplies/mtca-ps/mtca-4.0.html
AM 900/412-99	TAG-631	http://www.gocct.com/sheets/AM/am90xx1x.htm
MRF MTCA EVR-300U	TAG-524	N.A.

1.1 HW Visual Inspection

Name	ICS-TAG	Pass	Fail
MTCA Crate 11850-026	TAG-621	☐	☐
NAT-MCH-PHYS	TAG-626	☐	☐
WIENER 1000W PM	TAG-636	☐	☐
AM 900/412-99	TAG-631	☐	☐
MRF MTCA EVR-300U	TAG-524	☐	☐

1.2 HW Functional Test

Operator(s)
Simone Farina (Embedded Systems Engineer)

Quality Manager
    N.A.

Signature for acknowledgement and acceptance
Operator(s)   Quality Manager

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Name	ICS-TAG	Pass	Fail
MTCA Crate 11850-026	TAG-621	☐	☐
NAT-MCH-PHYS	TAG-626	☐	☐
WIENER 1000W PM	TAG-636	☐	☐
AM 900/412-99	TAG-631	☐	☐
MRF MTCA EVR-300U	TAG-524	☐	☐

Operator(s)
Simone Farina (Embedded Systems Engineer)

Quality Manager
N.A.

Signature for acknowledgement and acceptance
Operator(s)　　　　　　　　　　Quality Manager

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2   Software

The DUT is provided with the following software already installed :

Name	Information		
Kernel	Version	:	3.10.0-229.7.2.el7.x86_64
CentOS	Version	:	7.1.1503
JAVA	Version	:	1.8.0_40
CS Studio	Version	:	4.5.0.0
EPICS Bases	Path	:	/opt/epics/bases
EPICS Modules	Path	:	/opt/epics/modules
EPICS Host	Arch	:	centos7-x86_64
EPICS BASE	Path	:	/opt/epics/bases/base-3.15.4
EPICS_ENV_PATH	Path	:	/opt/epics/modules/environment/1.8.2 /3.15.4/bin/centos7-x86_64

2.1   SW Verification

Name	Check for	Pass	Fail
Kernel	Version	☐	☐
CentOS	Version	☐	☐
JAVA	Version	☐	☐
CS Studio	Version	☐	☐
EPICS Bases	Path	☐	☐
EPICS Modules	Path	☐	☐
EPICS Host	Arch	☐	☐
EPICS BASE	Path	☐	☐
EPICS_ENV_PATH	Path	☐	☐

2.2   Additional Modules

The following additional modules are provided :

Name	Information		
mrf.ko	src Version	:	9E849DD3775C8555B8B88BF

Operator(s)   Signature for acknowledgement and acceptance
Simone Farina (Embedded Systems Engineer)   Operator(s)   Quality Manager

Quality Manager
                N.A.

2.2.1 Additional Modules Verification

Name	Check for	Pass	Fail
mrf.ko	src Version	☐	☐
	Load at startup	☐	☐
	user Permission	☐	☐

Operator(s)   Signature for acknowledgement and acceptance
Simone Farina (Embedded Systems Engineer)   Operator(s)   Quality Manager

Quality Manager
                    N.A.

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3   Conclusions

Factory Acceptance Test result	

Additional Notes: _____

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Operator(s)   Signature for acknowledgement and acceptance
Simone Farina (Embedded Systems Engineer)   Operator(s)   Quality Manager

Quality Manager
                  N.A.

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