Quality Criteria Verification
Executive Summary
For QCV, Stage Rollout, DMSU and EGI internal

Name of the component	unicore tsi		
Release	Emi-1 update 12	RT Ticket	https://rt.egi.eu/rt/Ticket/Display.html?id=3320
Software Provider	EMI		
Release Contact	Name: Cristina Aiftimiei	E-Mail	
Validator	Name: Mathilde Romberg	E-Mail m.romberg@fz-juelich.de	
V. Hours Worked	28		
Component status		Date	29.2.2012
Verification start date	30.1.2012	Verification end date	29.2.2012

Summary:
The TSI installation and configuration was not straight forward as the rpm is not fully compliant with standard settings. Paths and links had to be adapted manually to make it working.

GGUS Tickets:
https://ggus.eu/tech/ticket_show.php?ticket=79104
https://ggus.eu/tech/ticket_show.php?ticket=79306

Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
TP				
VLD	16		1	17
	Specific Quality Criteria			
TP	2		1	3
VLD	15	1	2	18

Quality Criteria verification cheatsheet:
<Insert filled excel cheatsheet>

Criteria	Accepted ()	Tested ()	Comments	RELEASE: UNICORE TSI6 v. 4	VALIDATOR: Mathilde Romberg	RT TICKET: https://rt.egi.eu/rt/Ticket/Display.html?id=3320
Generic QC						
INSTRUMENT_IE_4 (Instrument Manager Support)			???			
GENERIC_DOC_1 (Functional Description)	Y	VLD	http://unicore.eu/documentation/manuals/unicore6/files/tsi/tsi-manual.html#_overview			
GENERIC_DOC_4 (Online help (man pages))	Y	VLD	http://unicore.eu/documentation/manuals/unicore6/files/tsi/tsi-manual.html, does not reflect rpm specifics			
GENERIC_DOC_5 (API Documentation)	Y	VLD	/usr/share/unicore/tsi/docs/TSI_api.pdf; old version, misses some new API extensions			
GENERIC_DOC_6 (Administrator Documentation)	Y	VLD	http://unicore.eu/documentation/manuals/unicore6/files/tsi/tsi-manual.pdf; not properly adapted to rpm installation			
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	https://twiki.cern.ch/twiki/bin/view/EMI/UNICORETsiSRC			
GENERIC_DOC_8 (Software License)	Y	VLD	BSD			
GENERIC_DOC_9 (Release changes testing)	Y	VLD				
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	http://unicore.svn.sourceforge.net/viewvc/unicore/tsi/			
GENERIC_DIST_2 (Source Distribution)	Y	VLD	http://emisoft.web.cern.ch/emisoft/dist/EMI/1/sl5/SRPMS/updates/unicore-tsi-4.2.0-0.sl5.src.rpm			
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	http://emisoft.web.cern.ch/emisoft/dist/EMI/1/sl5/x86_64/updates/unicore-tsi6-4.2.0-0.noarch.rpm			
GENERIC_SERVICE_1 (Service control and status)	Y	VLD	/etc/rc.d/init.d/unicore-tsi uses wrong pathes			
GENERIC_SERVICE_2 (Log Files)	Y	VLD	/var/log/unicore/tsi			
GENERIC_SERVICE_3 (Service Reliability)	Y	VLD				
GENERIC_SERVICE_4 (Automatic Configuration)	Y	VLD	tsi install.sh tool			
GENERIC_SEC_1 (World Writable Files)	Y	VLD				
GENERIC_SEC_2 (Directory Traversal Attacks testing)	Y	VLD				
Compute Capabilities QC						
MSG_IFACE_1 (Messaging Interface)	N		neither JMS nor AMQP is available			
JOBEXEC_IFACE_1 (Job Execution Interface)	Y	VLD	unicore command client ucc			
JOBEXEC_JOB_1 (Simple Job)	Y	VLD				
JOBEXEC_JOB_2 (Simple Job with input/output files)	Y	VLD				
JOBEXEC_JOB_3 (Cancel Job)	Y	VLD				
JOBEXEC_EXECMNGR_1 (Not Invasive Deployment)	Y	VLD				
JOBEXEC_EXECMNGR_2 (Job Management)	Y	VLD	tested with torque			
JOBEXEC_EXECMNGR_3 (Information Retrieval)	Y	VLD	tested with torque			
JOBEXEC_AVAIL_1 (Service Redundancy)	Y	VLD	redundant TSIs on different front-end nodes of a cluster			
JOBEXEC_AVAIL_2 (Self Disabling Mechanism)	NA	TP	ucc, urc as well as workflow service provide appropriate scheduling mechanisms			
JOBEXEC_AVAIL_3 (Job Submission Peaks)	Y	TP	up to 350 jobs can be submitted in one minute through the TSI			
JOBEXEC_AVAIL_4 (Timely Job Status Updates)	Y	VLD				
PARALLEL_JOB_1 (Simple parallel job submission)	Y	VLD				
PARALLEL_JOB_2 (Single machine parallel job submi)	Y	VLD				
PARALLEL_JOB_3 (Fine grained mapping parallel job)	Y	VLD				
PARALLEL_MPI_1 (Precompiled MPI job Execution)	Y	VLD	MPI job execution is fully integrated			
PARALLEL_MPI_2 (MPI job Execution from source.)	Y	VLD	MPI compilation and job execution is fully integrated			
PARALLEL_OMP_1 (Precompiled OpenMP job Execut)	Y	VLD	MPI job execution is fully integrated			
Operations Capabilities QC						
MON_PROBE_GENERIC_1 (Certificate Lifetime Probe)	NA					
MON_PROBE_GENERIC_2 (Service Probe)	Y	TP	done in probes provided with unicorex			
MON_PROBE_METADATA_1 (LFC Probes)	NA					

Validator comments:

Not applicable Quality Criteria

JOBEXEC_AVAIL_2 (Self Disabling Mechanism) - the tsi itself does not have this feature, but workflow management as well as command line and graphical client have proper scheduling mechanisms

MON_PROBE_GENERIC_1 (Certificate Lifetime Probe) – such a test does not exist. As signing authorities warn the ticket owner 4 and 2 weeks ahead of ticket expiration, an extra test does not seem to be necessary

MON_PROBE_METADATA_1 (LFC Probes) – UNICORE does not have an interface to LFC

Specific Functional Tests to be repeated in SR:

Test number	Description	Motivation

Specific Non-functional tests (Scalability, etc…) to be repeated in SR:

Test number	Description	Motivation

Comments for UMD QC definition (TSA2.2):
- Review criteria xxxx
- Add criteria xxxx

Comments for SR (TSA1.3):

The tsi rpm does not use the default directories; therefore a couple of things have to be adapted before the service can be started and used:

1. /etc/unicore/tsi/tsi.preferences the link has to be changed to point to /usr/share/unicore/tsi/<<name of installed tsi>>/conf/tsi.properties
2. In /etc/init.d/unicore-tsi pathes have to be adapted: START=/usr/share/unicore/tsi/<<name of installed tsi>>/bin/start_tsi
   STOP=/usr/share/unicore/tsi/<<name of installed tsi>>/bin/kill_tsi

Pathes defined in xnjs_legacy.xml of the connected unicorex service have to be adapted, the name of the installed tsi is missing from the path:
<eng:Property name="CLASSICTSI.TSI_LS" value="/usr/share/unicore/tsi/<<name of installed tsi>>/perl/tsi_ls"/>
   <eng:Property name="CLASSICTSI.TSI_DF" value="/usr/share/unicore/tsi/<<name of installed tsi>>/perl/tsi_df"/>

Log files are available at /var/log/unicore/tsi as expected

Comments for DMSU (TSA2.5):

Comments for TP: