

Table I. Reference table for new L4 requirements for SRF and suggested RbR links.

L4 ID	L4 Text	Rel. B RBR ID	RBR Text
C-CSS-30180	The SRF shall support the synchronous processing of requests by the client to the server.	ESN-0450#B	The ESN shall provide process-to-process communications service.
C-CSS-30190	The SRF shall support the asynchronous processing of requests by the client to the server.	ESN-0450#B	The ESN shall provide process-to-process communications service.
C-CSS-30200	The SRF shall allow requests to be submitted by a client that then terminates while requests continue to run	ESN-0450#B	The ESN shall provide process-to-process communications service.
C-CSS-30210	The SRF shall allow the reestablishment of the request contexts by the client upon restart.	ESN-0450#B	The ESN shall provide process-to-process communications service.
C-CSS-30220	The SRF shall allow a client to send a Cancel notification to a currently running request.	ESN-0450#B	The ESN shall provide process-to-process communications service.
C-CSS-30230	The SRF shall allow the client to obtain the current priority of an executing request thread.	ESN-0450#B	The ESN shall provide process-to-process communications service.
C-CSS-30240	The SRF shall allow a client to alter the execution priority of a request's thread.	ESN-0450#B	The ESN shall provide process-to-process communications service.
C-CSS-30250	The SRF shall allow the client to obtain a unique request identifier for each request submitted such that the identifier may be used to reference the request in the future.	ESN-0450#B	The ESN shall provide process-to-process communications service.

L4 ID	L4 Text	Rel. B RBR ID	RBR Text
C- CSS- 30260	<u>The SRF shall support the use of application defined status messages that may be posted by the server to inform the client of request progress.</u>	ESN- 0450#B	The ESN shall provide process-to-process communications service.
C- CSS- 30270	<u>The SRF shall support the use of application defined result messages that are used to communicate the results of a request back to the client.</u>	ESN- 0450#B	The ESN shall provide process-to-process communications service.
C- CSS- 30280	<u>The SRF shall support callback functions for statuses.</u>	ESN- 0450#B	The ESN shall provide process-to-process communications service.
C- CSS- 30290	<u>The SRF shall support callback functions for request completion.</u>	ESN- 0450#B	The ESN shall provide process-to-process communications service.
C- CSS- 30300	<u>The SRF shall allow a client to send a Suspend request signal to the server on a per request basis.</u>	ESN- 0450#B	The ESN shall provide process-to-process communications service.
C- CSS- 30310	<u>The SRF shall allow a client to send a Resume request signal to the server on a per request basis.</u>	ESN- 0450#B	The ESN shall provide process-to-process communications service.
C- CSS- 30320	<u>The SRF shall allow an executing request to block waiting on a Resume signal.</u>	ESN- 0450#B	The ESN shall provide process-to-process communications service.
C- CSS- 30330	<u>The SRF shall support the explicit acknowledgment by the server application back to the client of a request.</u>	ESN- 0450#B	The ESN shall provide process-to-process communications service.
C- CSS- 30340	<u>The SRF shall support a time-out on an explicit request acknowledgment.</u>	ESN- 0450#B	The ESN shall provide process-to-process communications service.
C- CSS-	<u>The SRF shall support automatic request restart on a per request basis.</u>	ESN- 0450#B	The ESN shall provide process-to-process communications service.

L4 ID	L4 Text	Rel. B RBR ID	RBR Text
30350			
C- CSS- 30360	The SRF shall support automatic request restart on a per operation basis.	ESN-0450#B	The ESN shall provide process-to-process communications service.
C- CSS- 30370	The SRF shall support the ability to obtain a request's current state. (In progress, complete, etc.)	ESN-0450#B	The ESN shall provide process-to-process communications service.
C- CSS- 30380	The SRF shall allow arbitrary objects to be passed as arguments in requests.	ESN-0450#B	The ESN shall provide process-to-process communications service.
C- CSS- 30390	The SRF shall allow executing requests to determine if the server is available.	ESN-0450#B	The ESN shall provide process-to-process communications service.

Table II. Add Table for new L4 requirements for SRF.

L4 ID	object_key	rel	req_type	req_status	verification_status	verification_method	L4 Text
C-CSS-30180	new	B0	functional	approved	unverified	test	The SRF shall support the synchronous processing of requests by the client to the server.
C-CSS-30190	new	B0	functional	approved	unverified	test	The SRF shall support the asynchronous processing of requests by the client to the server.
C-CSS-30200	new	B0	functional	approved	unverified	test	The SRF shall allow requests to be submitted by a client that then terminates while requests continue to run
C-CSS-30210	new	B0	functional	approved	unverified	test	The SRF shall allow the reestablishment of the request contexts by the client upon restart.
C-CSS-30220	new	B0	functional	approved	unverified	test	The SRF shall allow a client to send a Cancel notification to a currently running request.
C-CSS-30230	new	B0	functional	approved	unverified	test	The SRF shall allow the client to obtain the current priority of an executing request thread.
C-CSS-30240	new	B0	functional	approved	unverified	test	The SRF shall allow a client to alter the execution priority of a request's thread.
C-CSS-30250	new	B0	functional	approved	unverified	test	The SRF shall allow the client to obtain a unique request identifier for each request submitted such that the identifier may be used to reference the request in the future.
C-CSS-30260	new	B0	functional	approved	unverified	test	The SRF shall support the use of application defined status messages that may be posted by the server to inform the client of request progress.
C-CSS-30270	new	B0	functional	approved	unverified	test	The SRF shall support the use of application defined result messages that are used to communicate the results of a request back to the client.

L4 ID	object_key	rel	req_type	req_statuses	verification_status	verification_method	L4 Text
C-CSS-30280	new	B0	functional	approved	unverified	test	The SRF shall support callback functions for statuses.
C-CSS-30290	new	B0	functional	approved	unverified	test	The SRF shall support callback functions for request completion.
C-CSS-30300	new	B0	functional	approved	unverified	test	The SRF shall allow a client to send a Suspend request signal to the server on a per request basis.
C-CSS-30310	new	B0	functional	approved	unverified	test	The SRF shall allow a client to send a Resume request signal to the server on a per request basis.
C-CSS-30320	new	B0	functional	approved	unverified	test	The SRF shall allow an executing request to block waiting on a Resume signal.
C-CSS-30330	new	B0	functional	approved	unverified	test	The SRF shall support the explicit acknowledgment by the server application back to the client of a request.
C-CSS-30340	new	B0	functional	approved	unverified	test	The SRF shall support a time-out on an explicit request acknowledgment.
C-CSS-30350	new	B0	functional	approved	unverified	test	The SRF shall support automatic request restart on a per request basis.
C-CSS-30360	new	B0	functional	approved	unverified	test	The SRF shall support automatic request restart on a per operation basis.
C-CSS-30370	new	B0	functional	approved	unverified	test	The SRF shall support the ability to obtain a request's current state. (In progress, complete, etc.)
C-	new	B0	functional	approved	unverified	test	The SRF shall allow arbitrary objects to be passed as

L4 ID	object_key	rel	req_type	req_statuses	verification_status	verification_method	L4 Text
CSS-30380							arguments in requests.
C-CSS-30390	new	B0	functional	approved	unverified	test	The SRF shall allow executing requests to determine if the server is available.