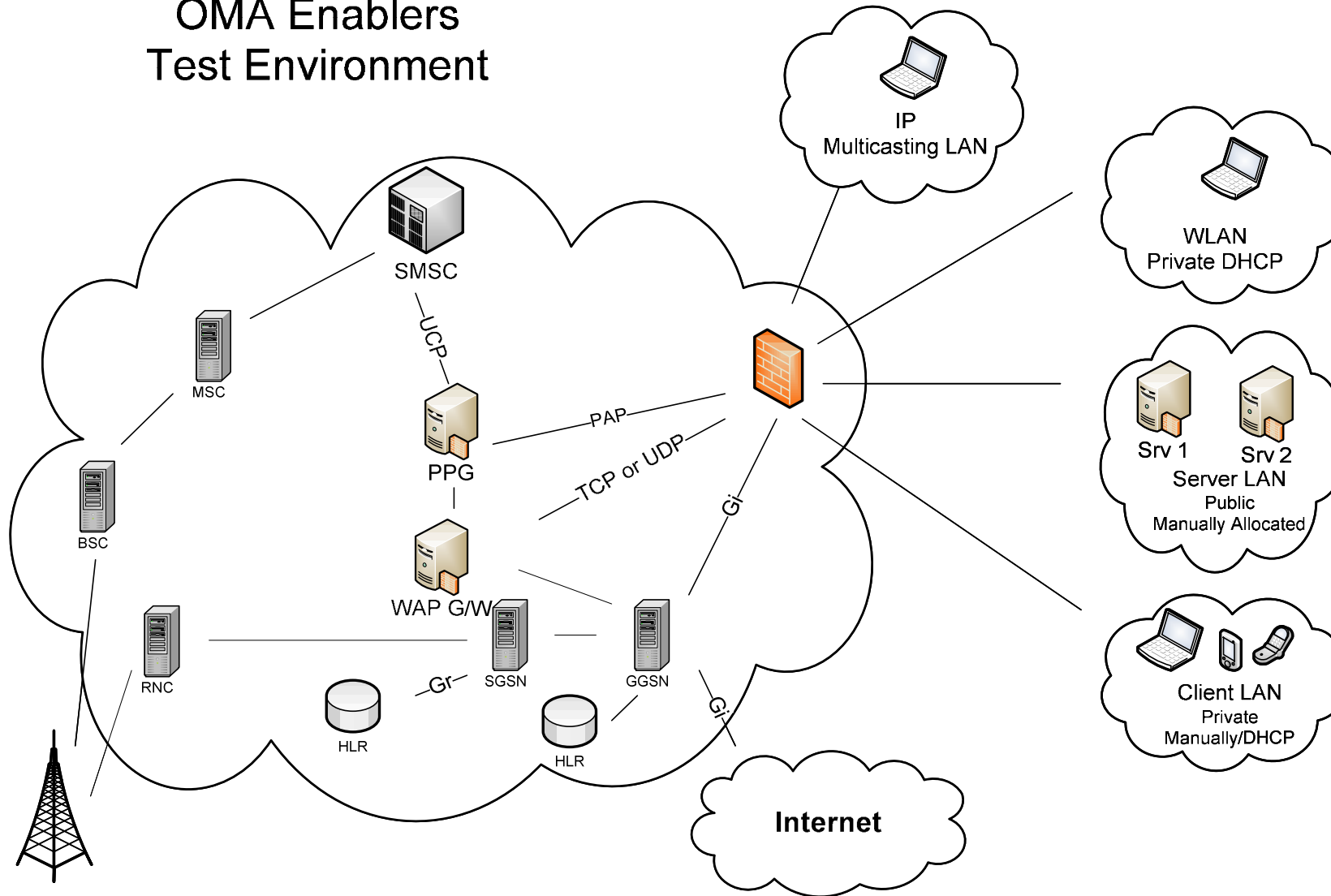


# TestFest-22 Result Analysis

# SCWS v1.0

## Formal Test – Candidate Enabler

## OMA Enablers Test Environment

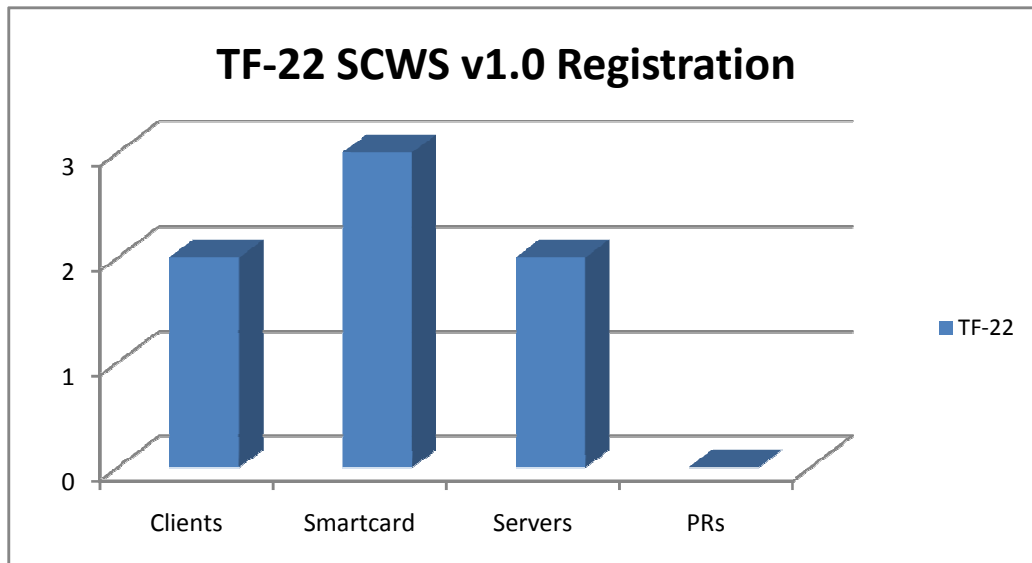


## CLIENT SERVER Registrations at TF-22

	Clients	Smartcard	Servers	PRs
TF-22	2	3	2	0

	TC Never Run/"Passed"	TC "Passed" btw 1 to 5	TC "Passed" btw 6 to 10	TC "Passed" btw 11 to 20	TC "Passed" more thn 20 times	Total Number of Test Cases
<b>Client - Server</b>						
<b>Content type and content length test group</b>	0	2	3	0	0	5
<b>Connectivity test group</b>	0	0	7	1	0	8
<b>URI test group</b>	0	0	7	0	0	7
<b>Protection test group</b>	0	0	2	0	0	2
<b>Dynamic content test group</b>	0	0	6	0	0	6
<b>REMOTE ADMINISTRATION OF SCWS</b>						
<b>Portal administration test group</b>	0	0	4	0	0	4
<b>Remote Admin -Connectivity test group</b>	0	1	2	3	0	6
<b>TLS test group</b>	0	2	0	0	0	2
<b>Administration using lightweight protocol</b>	0	1	0	0	0	1
<b>Total Number Test Cases</b>	0	6	31	4	0	41

## TF-22 Implementation Registration



## Cumulative Results

## Acumulative

## TF-22

	Passed	Failed	OT	Incon.	NA	R	P	F	O	I	NA		
Service Provisioning	6	0	0	0	0	6	6	0	0	0	12	0	18
TC-101-Service bootstrap and single content	6	0	0	0	0	6	6	0	0	0	12	0	18
TC-102-Web-based Service Provisioning	6	0	0	0	0	6	6	0	0	0	12	0	18
Service Guide	4	0	0	0	2	4	4	0	0	0	12	2	18
SCWS-1.0-int-005: jpeg file of very big size	2	0	0	0	4	2	2	0	0	0	12	4	18
Connectivity test group	Passed	Failed	OT	Incon.	NA								
SCWS-1.0-int-100 Access to server Off-line	6	0	0	0	0	6	6	0	0	0	12	0	18
SCWS-1.0-int-101 html pages with many resources	6	0	0	0	0	6	6	0	0	0	12	0	18
SCWS-1.0-int-102 multiple http connection	6	0	0	0	0	6	6	0	0	0	12	0	18
SCWS-1.0-int-103 Browsing cancelled	6	0	0	0	0	6	6	0	0	0	12	0	18
SCWS-1.0-int-104 Browsing interruption	6	0	0	0	0	6	6	0	0	0	12	0	18
SCWS-1.0-int-105 Browsing and server administration	12	0	0	0	0	12	12	0	0	0	6	0	18
SCWS-1.0-int-106 CAT applications concurrency	6	0	0	0	0	6	6	0	0	0	12	0	18
SCWS-1.0-int-107 GET_WITH_ENVELOPE	6	0	0	0	0	6	6	0	0	0	12	0	18
URI test group	Passed	Failed	OT	Incon.	NA								
SCWS-1.0-int-200 long file name	6	0	0	0	0	6	6	0	0	0	12	0	18
SCWS-1.0-int-201 long directory name	6	0	0	0	0	6	6	0	0	0	12	0	18
SCWS-1.0-int-202 escaped char	6	0	0	0	0	6	6	0	0	0	12	0	18
SCWS-1.0-int-203 query string	6	0	0	0	0	6	6	0	0	0	12	0	18
SCWS-1.0-int-204 uri long (1024 bytes)	6	0	0	0	0	6	6	0	0	0	12	0	18
SCWS-1.0-int-205 Uri Not Found	6	0	0	0	0	6	6	0	0	0	12	0	18
SCWS-1.0-int-206 5 directory levels	6	0	0	0	0	6	6	0	0	0	12	0	18
Protection test group	Passed	Failed	OT	Incon.	NA								
SCWS-1.0-int-250 http basic authentication	6	0	0	0	0	6	6	0	0	0	12	0	18
SCWS-1.0-int-251 admin protection	6	0	0	0	0	6	6	0	0	0	12	0	18
Dynamic content test group	Passed	Failed	OT	Incon.	NA								
SCWS-1.0-int-300 form post method	6	0	0	0	0	6	6	0	0	0	12	0	18
SCWS-1.0-int-301 form get method	6	0	0	0	0	6	6	0	0	0	12	0	18
SCWS-1.0-int-302 post unexistant ressource	6	0	0	0	0	6	6	0	0	0	12	0	18

# TestFest-22 SCWS v1.0 Cumulative Results

SCWS-1.0-int-303 chunked response	6	0	0	0	0	6	6	0	0	0	12	0	18
SCWS-1.0-int-304 form get method with special char in query string	6	0	0	0	0	6	6	0	0	0	12	0	18
SCWS-1.0-int-305 get send SMS	6	0	0	0	0	6	6	0	0	0	12	0	18
<b>REMOTE ADMINISTRATION OF SCWS</b>													
<b>Portal administration test group</b>	<b>Passed</b>	<b>Failed</b>	<b>OT</b>	<b>Incon.</b>	<b>NA</b>								
SCWS-1.0-int-500 single resource small size	12	0	0	0	0	12	12	0	0	0	6	0	18
SCWS-1.0-int-501 single resource large size	12	0	0	0	0	12	12	0	0	0	6	0	18
SCWS-1.0-int-502 multiple resources total size 32kb	12	0	0	0	0	12	12	0	0	0	6	0	18
SCWS-1.0-int-503 multiple resources total size 100kb	12	0	0	0	0	12	12	0	0	0	6	0	18
<b>Connectivity test group</b>	<b>Passed</b>	<b>Failed</b>	<b>OT</b>	<b>Incon.</b>	<b>NA</b>								
SCWS-1.0-int-551 administration session with terminal switched-off	6	0	0	0	6	6	6	0	0	0	6	6	18
SCWS-1.0-int-552 administration session with network coverage loss	5	0	0	0	7	5	5	0	0	0	6	7	18
SCWS-1.0-int-553 administration session is abandoned	8	0	0	0	4	8	8	0	0	0	6	4	18
SCWS-1.0-int-554 administration session and browsing	12	0	0	0	0	12	12	0	0	0	6	0	18
SCWS-1.0-int-555 admin session and other CAT application	12	0	0	0	0	12	12	0	0	0	6	0	18
SCWS-1.0-int-556 PUT_WITH_ENVELOPE	12	0	0	0	0	12	12	0	0	0	6	0	18
<b>TLS test group</b>	<b>Passed</b>	<b>Failed</b>	<b>OT</b>	<b>Incon.</b>	<b>NA</b>								
SCWS-1.0-int-600 TLS_PSK_WITH_3DES_EDE_CBC_SHA	4	0	0	0	8	4	4	0	0	0	6	8	18
SCWS-1.0-int-601 TLS_PSK_WITH_AES_128_CBC_SHA	4	0	0	0	8	4	4	0	0	0	6	8	18
<b>Administration using lightweight protocol</b>	<b>Passed</b>	<b>Failed</b>	<b>OT</b>	<b>Incon.</b>	<b>NA</b>								
SCWS-1.0-int-701 LIGHTWEIGHT and deactivation of the SCWS applica	2	0	0	0	10	2	2	0	0	0	6	10	18

## Status of SCWS Test Cases per Test Groups

SCWS ETS is divided in Test Groups.

The below diagram classifies the current **41** SCWS Test Cases in five groups:

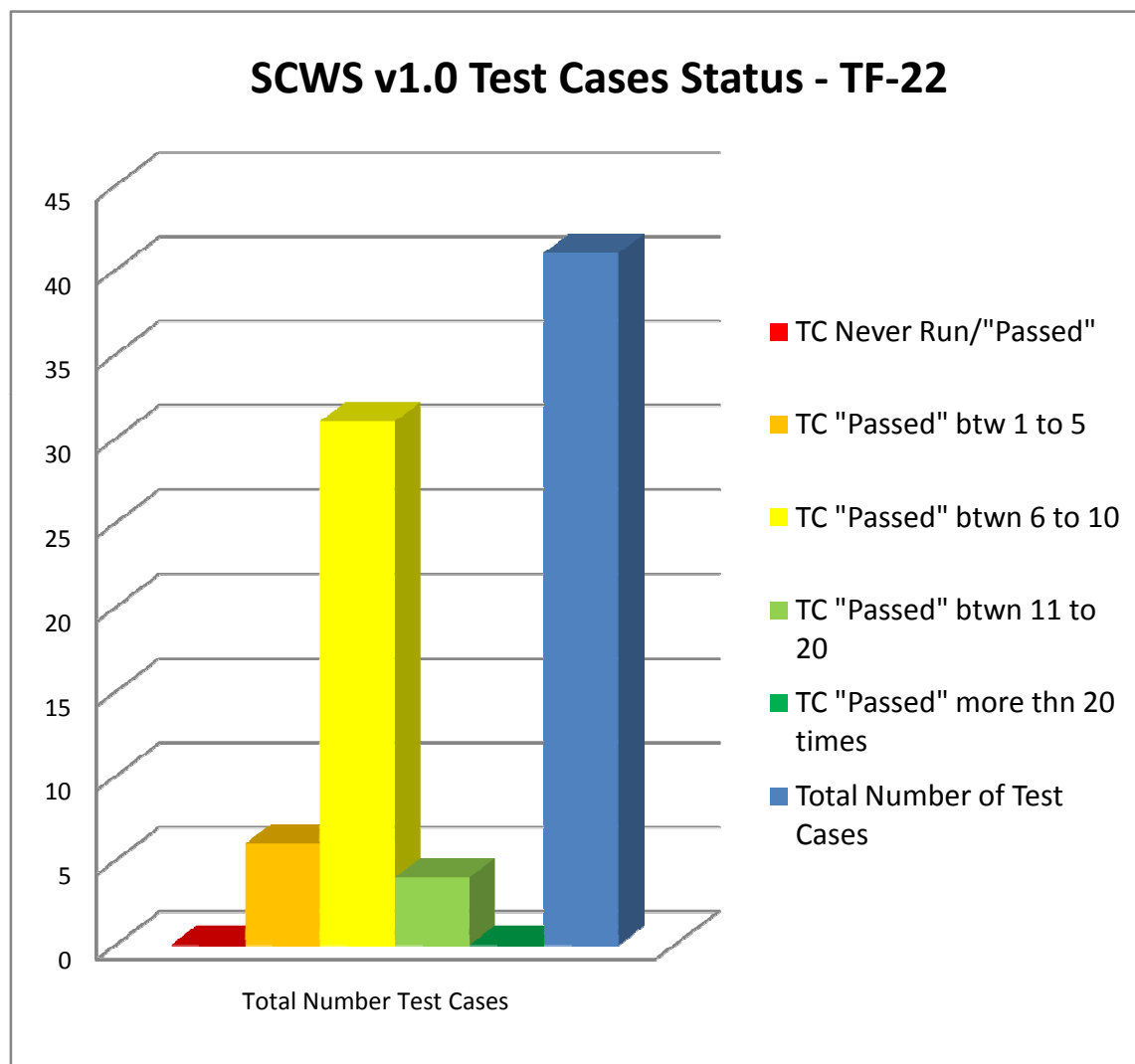
Test Cases that have never been Run or "Passed"

Test Cases that have been Tested and "Passed" between 1 to 5 times

Test Cases that have been Tested and "Passed" between 6 to 10 times

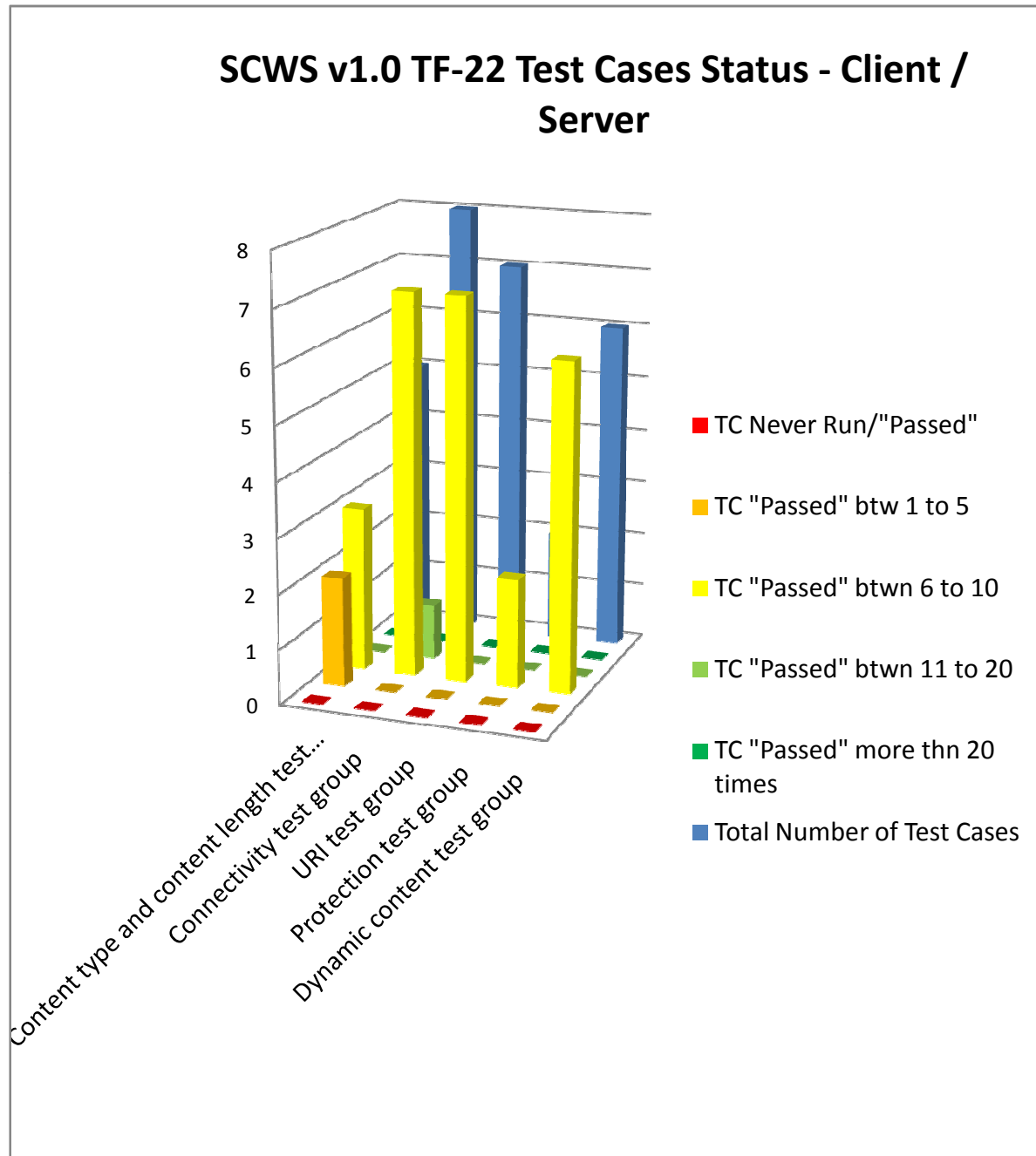
Test Cases that have been Tested and "Passed" between 11 to 20 times

Test Cases that have been Tested and "Passed" more than 20 times



Same analysis for the following SCWS Test Groups:

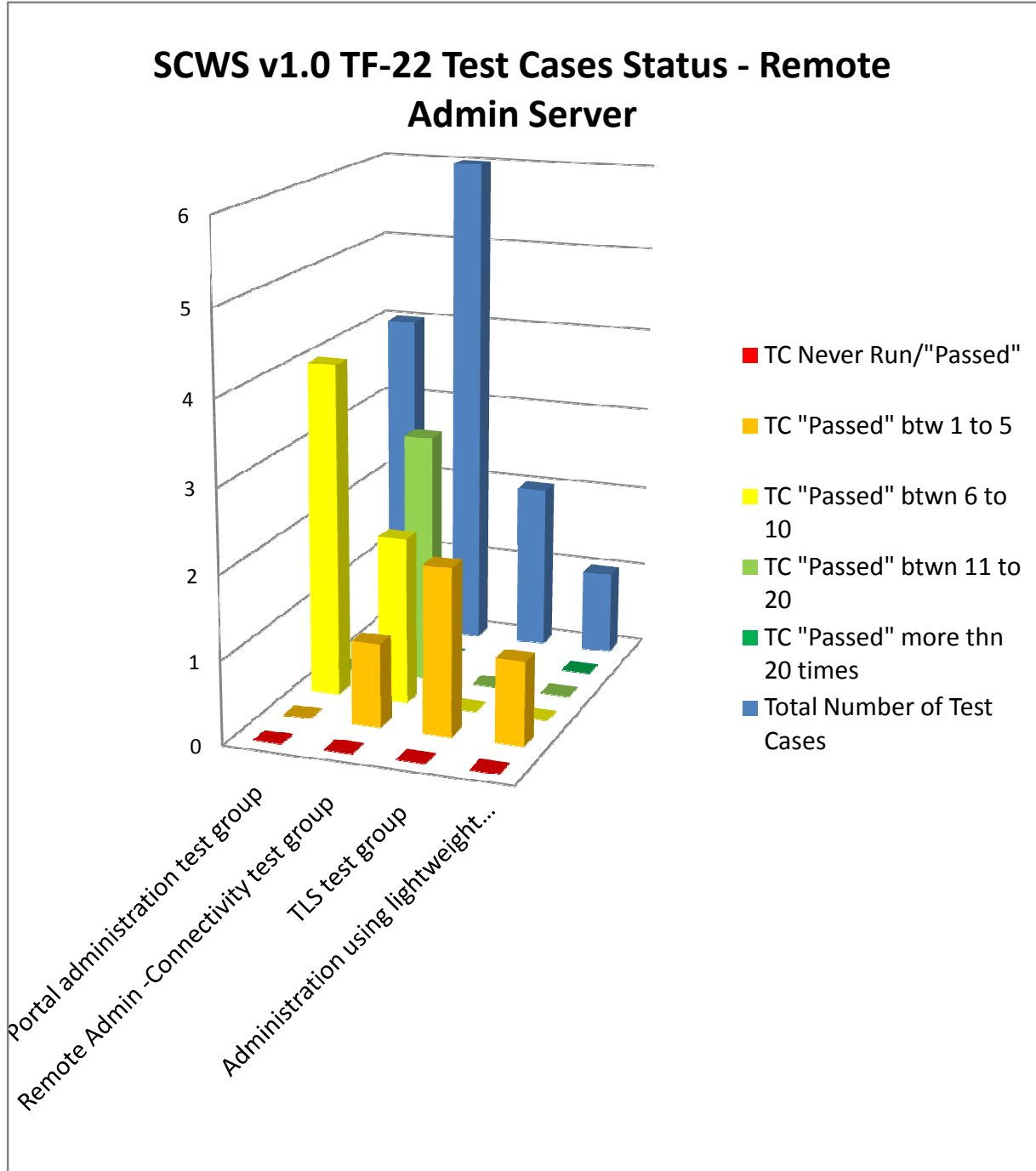
- Content Type & Length
- Connectivity
- URI
- Protection
- Dynamic Content





Same analysis for the following SCWS Test Groups:

- Portal Admin
- Remote Admin Connectivity
- TLS Test Group
- Admin using lightweight protocol

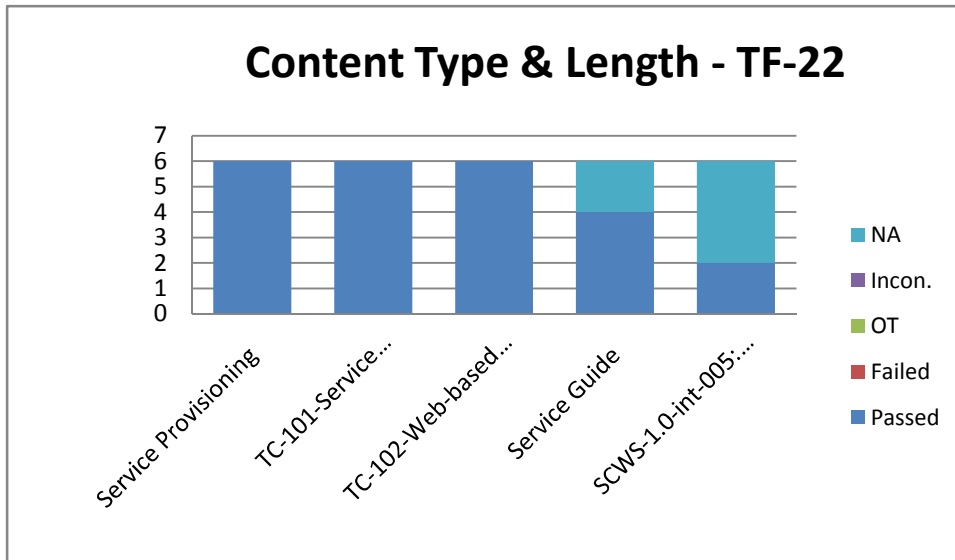


## SCWS v1.0 Issues Raised during TF-22

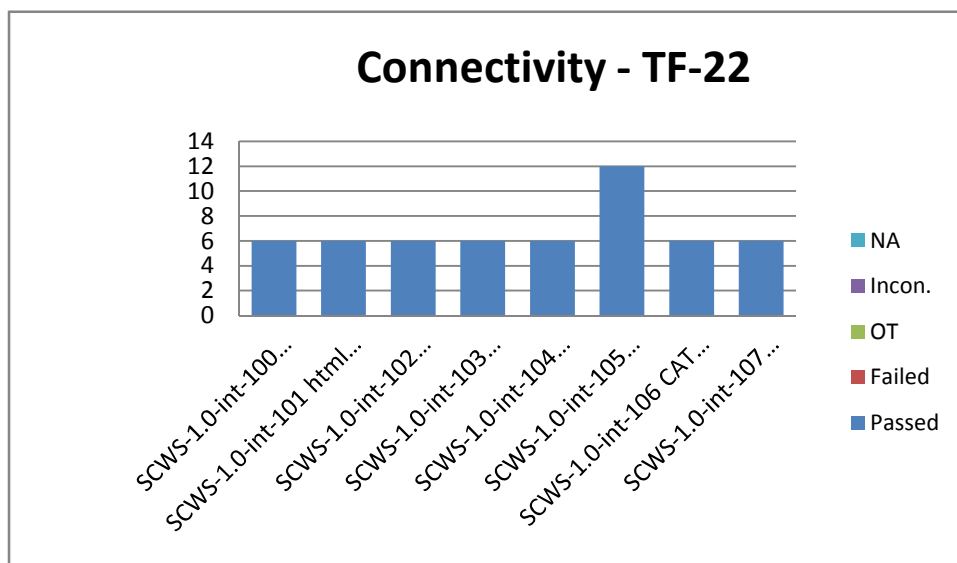
SCWS - Issues	Comment
GSM/GPRS Registrations	Handsets supporting GSM/GPRS bearer were not able to register in the Test Lab Network, IIT only supported UMTS registrations. Nevertheless participants were able to bypass this problem by providing Roaming SIMs for the Event.

## CLIENT SERVER Test Cases

### Content type and content length test group

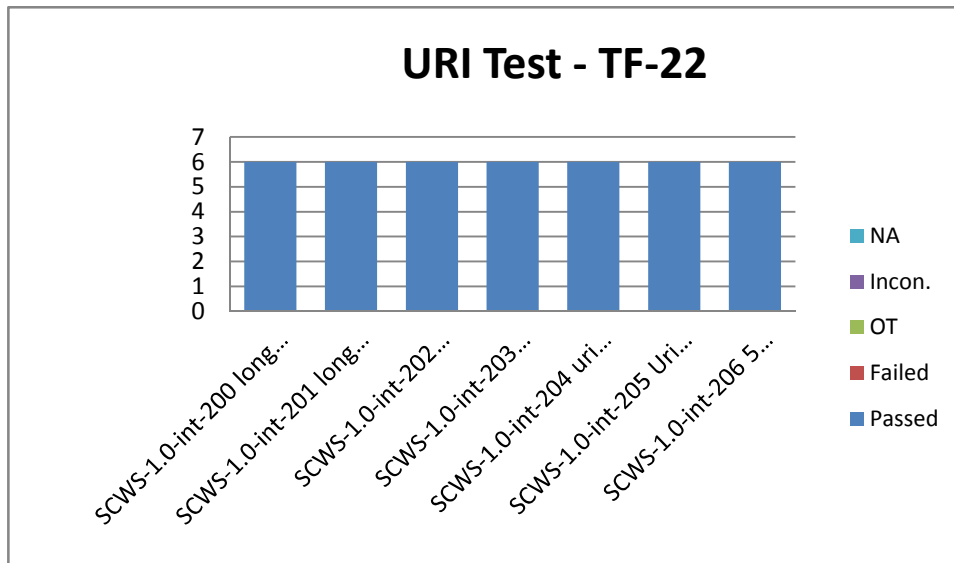


### Connectivity test group

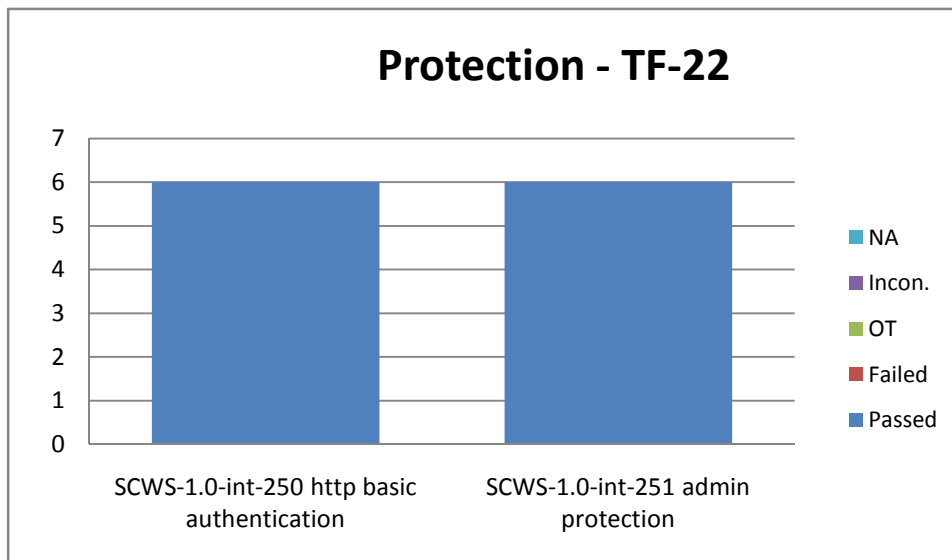


## CLIENT SERVER Test Cases

### URI test group

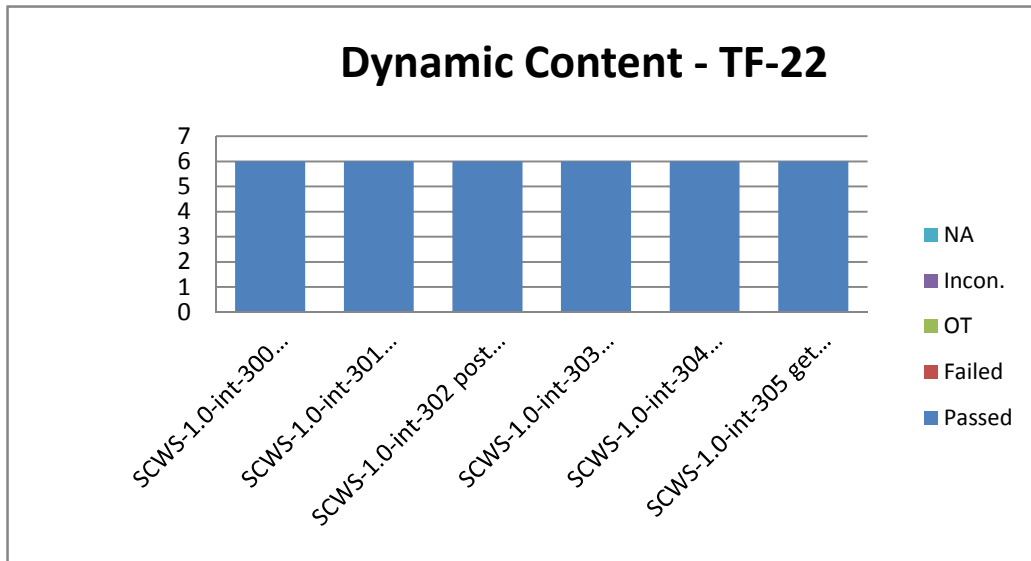


### Protection test group

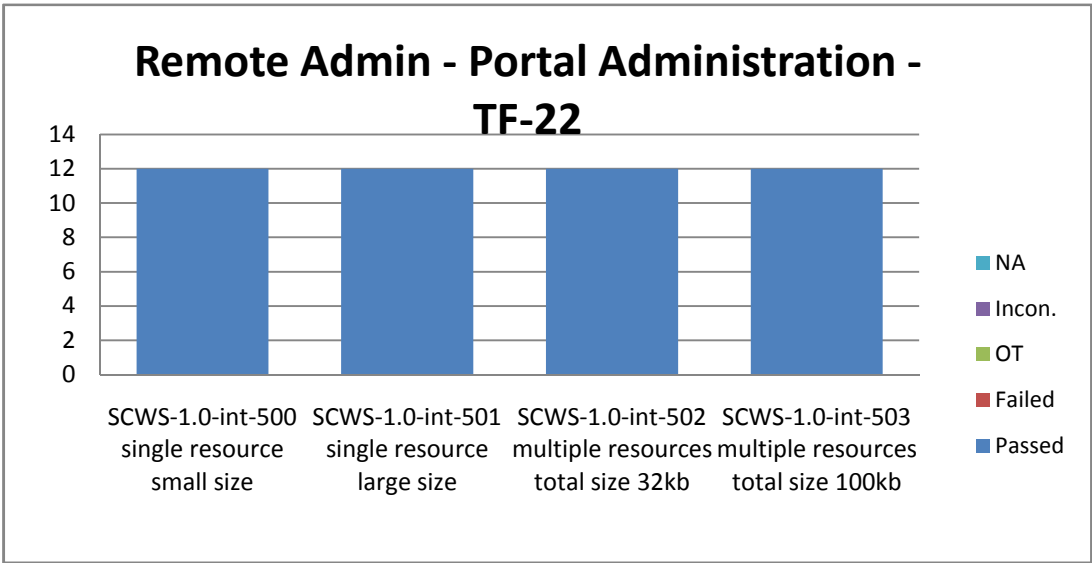


## CLIENT SERVER Test Cases

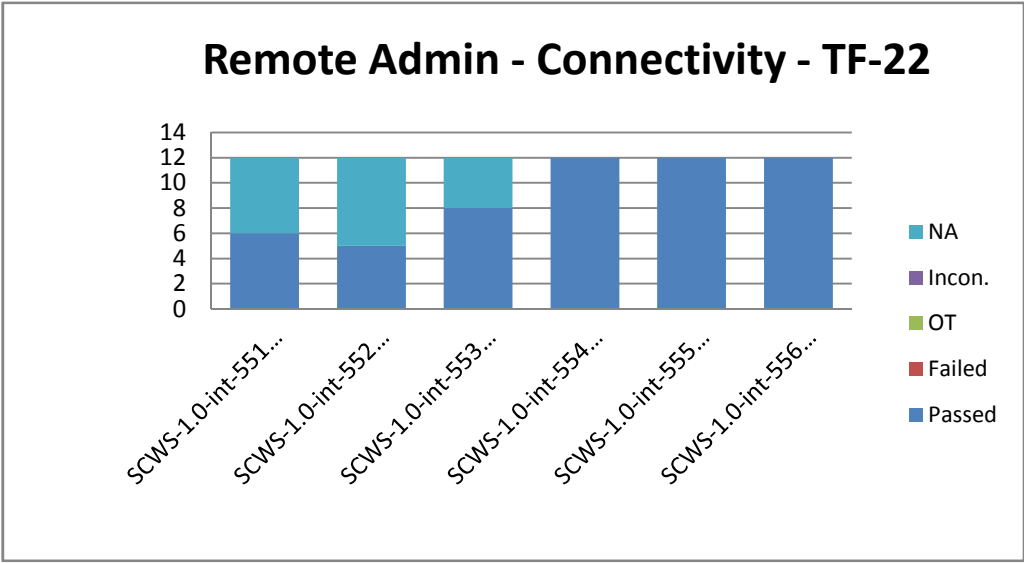
### Dynamic content test group



REMOTE ADMIN Test Cases  
Portal administration test group

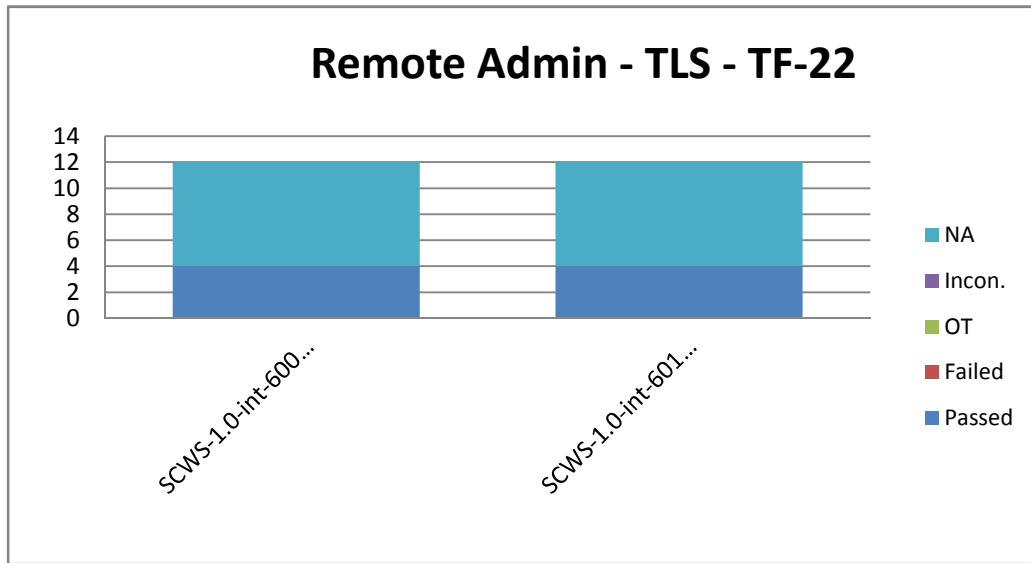


Connectivity test group

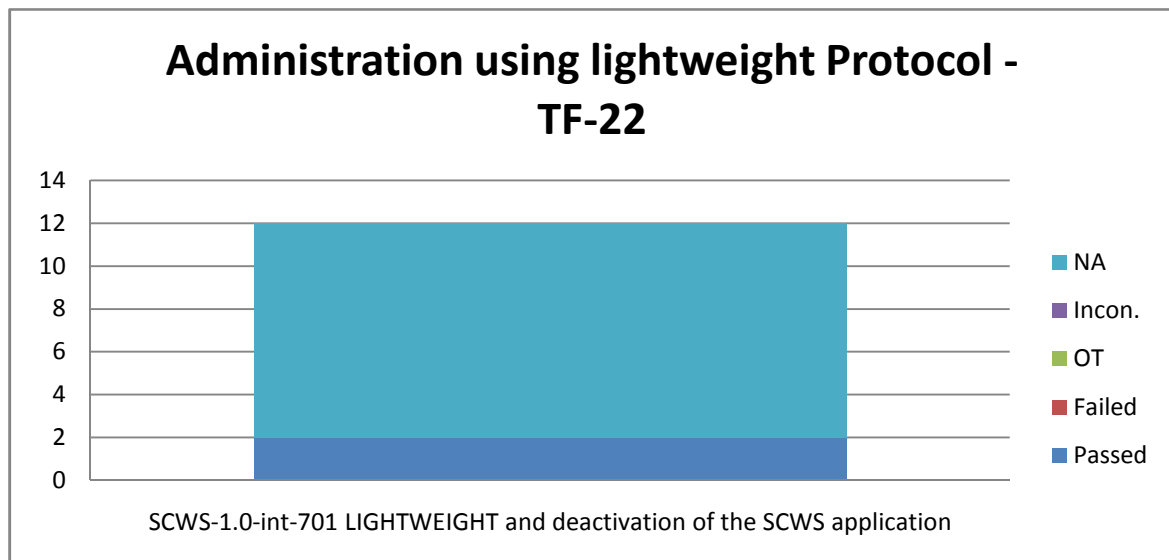


## REMOTE ADMIN Test Cases

### TLS test group



### Administration using lightweight protocol



## List of SCWS v1.0 Test Cases

### Content type and content length test group

	Description
SCWS-1.0-int-001: gif image of small size	The purpose is to verify that gif image of size 117 bytes is correctly sent from server to client.
SCWS-1.0-int-002: gif image of large size	The purpose is to verify that gif image of size 1519 bytes is correctly sent from server to client. This test case will test segmentation on BIP commands
SCWS-1.0-int-003: jpeg image larger than open channel buffer size	The purpose is to verify that jpeg image of size 11.3 KB bytes is correctly sent from server to client. This test case will test ability to exchange http message larger than BIP OPEN_CHANNEL buffer size.
SCWS-1.0-int-004: midi file larger than 32Kb	The purpose is to verify that midi file of size 41 KB bytes is correctly sent from server to client. This test case will test server ability to host resource bigger than 32Kb.
SCWS-1.0-int-005: jpeg file of very big size	The purpose is to verify that jpeg file of size 136 KB bytes is correctly sent from server to client. This test case will test long exchange between client and server, during this exchange client time-out can occurred or over flow client capabilities.

### Connectivity test group

SCWS-1.0-int-100 Access to server Off-line	The purpose is to verify that server is accessible in off-line mode (no network connection).
SCWS-1.0-int-101 html pages with many resources	The purpose is to verify that html page with many resources (9 gif anf 1 stylesheet) is correctly sent from server to client.
SCWS-1.0-int-102 multiple http connection	This test case will test mutiple http connection in parallele.
SCWS-1.0-int-103 Browsing cancelled	The purpose is to verify that client/server connection cancelled is correctly managed. This test case will test http message exchange interruption by BIP event channel status ESTABLISHED, LISTEN.
SCWS-1.0-int-104 Browsing interruption	The purpose is to verify that client/server connection interruption is correctly managed. This test case will test http message exchange interruption by BIP event channel status ESTABLISHED, LISTEN in multiple connection mode.
SCWS-1.0-int-105 Browsing and server administration	The purpose is to verify that admin client connection is taken into account when receiving during client / server exchange.
SCWS-1.0-int-106 CAT applications concurrency	The purpose is to verify that the SCWS doesn't modify the behaviour of CAT applications
SCWS-1.0-int-107 GET_WITH_ENVELOPE	The purpose is to verify that a SCWS browsing session is correctly processed while the execution of the proactive command SET UP CALL is triggered by a SMS from the second terminal.

### URI test group



SCWS-1.0-int-200 long file name	The purpose is to verify that uri with a long file name is correctly handled by server.
SCWS-1.0-int-201 long directory name	The purpose is to verify that uri with a long directory name is correctly handled by server.
SCWS-1.0-int-202 escaped char	The purpose is to verify that uri with escaped char is correctly handled by server.
SCWS-1.0-int-203 query string	The purpose is to verify that uri with query string is correctly handled by server.
SCWS-1.0-int-204 uri long (1024 bytes)	The purpose is to verify that uri of 1024 bytes is correctly handled by server.
SCWS-1.0-int-205 Uri Not Found	The purpose is to verify that not found uri is correctly handled by client and server.
SCWS-1.0-int-206 5 directory levels	The purpose is to verify that uri 5 levels of directory is correctly handled by server.

**Protection test group**

SCWS-1.0-int-250 http basic authentication	The purpose is to verify that http basic authentication is correctly handled by client and server. This test case will test HTTP status-code '401 Unauthorized', HTTP response header 'WWW-Authenticate' and HTTP request header 'Authorization'.
SCWS-1.0-int-251 admin protection	The purpose is to verify that resource protected by admin protection is not accessible through WAP Browser. This test case will test HTTP status-code '403 Forbidden'.

**Dynamic content test group**

SCWS-1.0-int-300 form post method	The purpose is to verify that server dynamic content application is correctly triggered on HTTP POST method. This test case will test http POST message with content-body handle by dynamic content application.
SCWS-1.0-int-301 form get method	The purpose is to verify that server dynamic content application is correctly triggered on HTTP GET method. This test case will test http GET message with query-string handle by dynamic content application.
SCWS-1.0-int-302 post unexistent resource	The purpose is to verify that server response error 404 not found on an http request POST with an unexistent uri.
SCWS-1.0-int-303 chunked response	The purpose is to verify that dynamic content application response with HTTP Header "Transfer-Encoding: chunked" is correctly processed by Device, SCWS Client.
SCWS-1.0-int-304 form get method with special char in query string	The purpose is to verify that server dynamic content application is correctly triggered on HTTP GET method and query-string with special char is correctly handled by dynamic content application.
SCWS-1.0-int-305 get send SMS	The purpose is to verify that server dynamic content application is correctly sending an SMS to another handset.

**REMOTE ADMINISTRATION OF SCWS****Portal administration test group**

SCWS-1.0-int-500 single resource small size	The purpose is to verify single resource 1kb (portal 'oma-500') can be sent, received through full admin protocol.
SCWS-1.0-int-501 single resource large size	The purpose is to verify single resource 10kb (portal 'oma-501') can be sent, received through full admin protocol. This test case will test POST response of remote admin server with HTTP header 'Transfer-Encoding: chunked'.
SCWS-1.0-int-502 multiple resources total size 32kb	The purpose is to verify that portal of 32kb (portal 'oma-502') with multiple resources can be sent, received through full admin protocol. This portal contains 2 different pages:- Page 1 with 4 images of 5kb.- Page 2 with 6 images of 2kb. This test case will test POST response of remote admin server with pipelined administration command.
SCWS-1.0-int-503 multiple resources total size 100kb	The purpose is to verify that portal of 100kb (portal 'oma-503') with multiple resources can be sent, received through full admin protocol. This portal contains 3 different pages:- Page 1 with 2 images of 18kb.- Page 2 with 8 images of 5kb.- Page 3 with 12 images of 2kb. This test case will test POST response of remote admin server with pipelined administration command and with HTTP header 'Transfer-Encoding: chunked'.

**Connectivity test group**

SCWS-1.0-int-551 administration session with terminal switched-off	The purpose is to verify that SCWS admin client retry administration session when the current admin session is interrupted by terminal switch-off. This test case will test admin client POST request with HTTP header 'SCWS-resume: true'.
SCWS-1.0-int-552 administration session with network coverage loss	The purpose is to verify that SCWS admin client retry administration session when the current admin session is interrupted by network coverage loss. This test case will test SCWS admin client resume admin session, BIP event channel status link-dropped, BIP command SEND_DATA, RECEIVED_DATA terminal response temporary-error or permanent-error.
SCWS-1.0-int-553 administration session is abandoned	The purpose is to verify that SCWS admin client sent SMS MO admin-failure-report to the Remote admin SCWS Server when administration session is abandoned.
SCWS-1.0-int-554 administration session and browsing	The purpose is to verify that SCWS server connection is taken into account when receiving during admin client / remote admin server exchange. This test case will test reception of the BIP Event-Data-Available (channel http) during BIP admin-channel exchange.
SCWS-1.0-int-555 admin session and other CAT application	The purpose is to verify that administration session is taken into account when card administration agent triggering event (push sms) is received in other card application toolkit context.

SCWS-1.0-int-556 PUT_WITH_ENVELOPE	The purpose is to verify that a SCWS admin session with PUT is correctly processed while the execution of the proactive command SET UP CALL is triggered by a SMS from the second terminal.
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**TLS test group**

SCWS-1.0-int-600 TLS_PSK_WITH_3DES_EDE_CBC_SHA	The purpose is to verify that administration session is correctly processed using TLS communication channel using cipher suite TLS_PSK_WITH_3DES_EDE_CBC_SHA.
SCWS-1.0-int-601 TLS_PSK_WITH_AES_128_CBC_SHA	The purpose is to verify that administration session is correctly processed using TLS communication channel using cipher suite TLS_PSK_WITH_AES_128_CBC_SHA.

**Administration using lightweight protocol**

SCWS-1.0-int-701 LIGHTWEIGHT and deactivation of the SCWS application	The purpose is to deactivate the SCWS using the lightweight protocol. At the end the SCWS shall be reactivated.
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