Weekly Report

2024/08/06– Ibrahim Rijal

Current Progress

A1-P Producer
O-RAN.WG2.A1TS 6.2.1

→

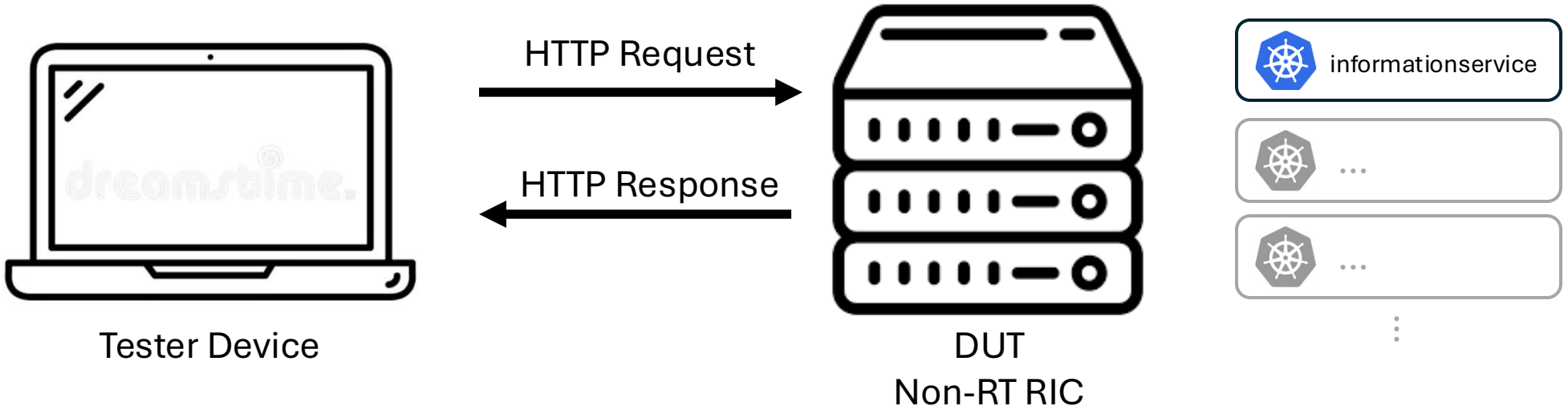
A1-EI Producer
O-RAN.WG2.A1TS 5.3.2

→

E2 Global Producer
O-RAN.WG3.E2TS 5.2.1

A1-EI Producer

O-RAN.WG2.A1TS 5.3.2



A1-EI Producer

O-RAN.WG2.A1TS 5.3.2

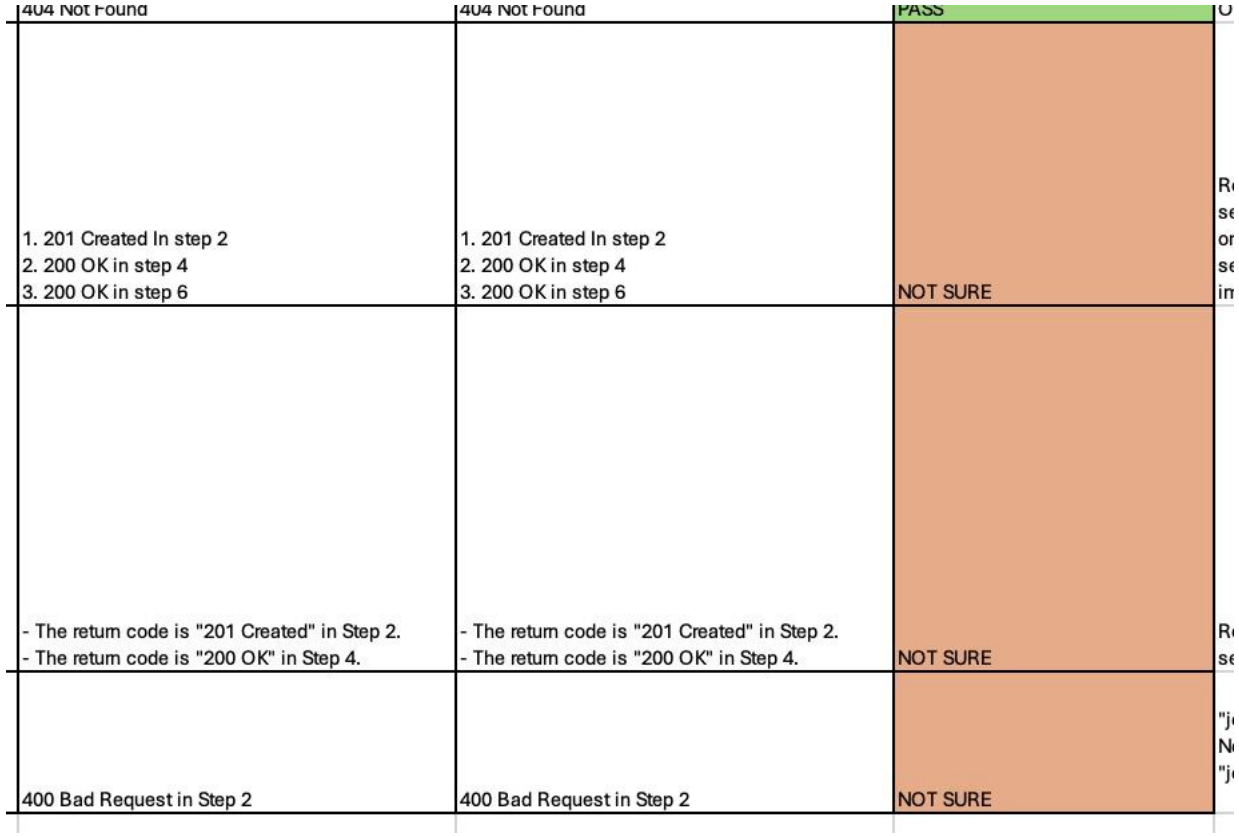
F	G	H	I	
Steps	**Expected Output**	**Test Output**	**Status**	
Sending HTTP GET into the specified URI	- An array of eiType ID - 200 OK	- An array of eiType ID - 200 OK	PASS	OK
Sending HTTP GET into the specified URI with eiTypeId	- Corresponding EiTypeId - 200 OK	- Corresponding EiTypeId - 200 OK	PASS	OK
Sending HTTP GET into the specified URI with eiTypeId	404 Not Found	404 Not Found	PASS	OK
Sending HTTP PUT into the specified URI with EiJobObject JSON in the body	- 201 Crated - Response message body containing the created EiJobObject - Location header for the new EI Job	- 201 Crated - Empty respose body - No location header	FAIL	No locat
Sending HTTP PUT into the specified URI with EiJobObject JSON in the body	404 Not Found	404 Not Found	PASS	OK
Sending HTTP PUT into the specified URI with EiJobObject JSON in the body	400 Bad Request	400 Bad Request	PASS	OK
Sending HTTP GET into the specified URI with eiTypeId as the query parameter	- An array of eiJobId - 200 OK	- An array of eiJobId - 200 OK	PASS	OK
Sending HTTP GET into the specified URI with eiTypeId as the query parameter	400 Bad Request	-200 OK - Empty array	FAIL	Differen
Sending HTTP GET into the specified URI	- An array of eiJobId from all eiTypeId - 200 OK	- An array of eiJobId from all eiTypeId - 200 OK	PASS	OK
Sending HTTP GET into the specified URI with eiJobId	- Response body contains eiJobObject - 200 OK	- Response body contains eiJobObject - 200 OK	PASS	OK
Sending HTTP GET into the specified URI with eiJobId	404 Not Found	404 Not Found	PASS	OK
Sending HTTP PUT into the specified URI with EiJobObject JSON in the body	- Response body contains eiJobObject - 200 OK	- Response body is empty - 200 OK	FAIL	EmptyR
Sending HTTP PUT into the specified URI with EiJobObject JSON in the body	400 Bad Request	400 Bad Request	PASS	OK
Sending HTTP DELETE into the specified URI with empty body	204 No Content	204 No Content	PASS	OK
Sending HTTP DELETE into the specified URI with empty body	404 Not Found	404 Not Found	PASS	OK
Sending HTTP GET into the specified URI with empty body	- Response body contains eiJobStatuObject - 200 OK	- Response body contains eiJobStatuObject - 200 OK	PASS	OK
Sending HTTP GET into the specified URI with empty body	404 Not Found	404 Not Found	PASS	OK
-Sending HTTP PUT into the specified URI with EiJobObject JSON in the body, along with jobStatusNotificationUri parameter inside it				

Done the testing for

O-RAN.WG2.A1TS 5.3.2

A1-EI Producer

O-RAN.WG2.A1TS 5.3.2



404 Not Found	404 Not Found	PASS
1. 201 Created In step 2 2. 200 OK in step 4 3. 200 OK in step 6	1. 201 Created In step 2 2. 200 OK in step 4 3. 200 OK in step 6	NOT SURE
- The return code is "201 Created" in Step 2. - The return code is "200 OK" in Step 4.	- The return code is "201 Created" in Step 2. - The return code is "200 OK" in Step 4.	NOT SURE
400 Bad Request in Step 2	400 Bad Request in Step 2	NOT SURE

Not sure about result in

5.3.6.3, 5.3.7.1, and 5.3.7.2

- Expected response in the DUT is correct
- Problem in the notification sent to notificationServer
  - Inconsistent
  - Long delay
  - No context on what is received

A1-EI Producer

O-RAN.WG2.A1TS 5.3.2

404 Not Found	404 Not Found	PASS	
1. 201 Created In step 2 2. 200 OK in step 4 3. 200 OK in step 6	1. 201 Created In step 2 2. 200 OK in step 4 3. 200 OK in step 6	NOT SURE	
- The return code is "201 Created" in Step 2. - The return code is "200 OK" in Step 4.	- The return code is "201 Created" in Step 2. - The return code is "200 OK" in Step 4.	NOT SURE	
400 Bad Request in Step 2	400 Bad Request in Step 2	NOT SURE	

Not sure about result in

5.3.6.3, 5.3.7.1, and 5.3.7.2

```
Received POST request at /
Headers:
user-agent: ReactorNetty/1.1.13
host: 192.168.106.112:8081
accept: */*
Content-Type: application/json
content-length: 26
Body:
{"eiJobStatus":"DISABLED"}
192.168.106.111 - - [01/Aug/2024 10:03:12] "POST /
HTTP/1.1" 200 -
```

E2 Global Producer

O-RAN.WG2.A1TS 5.3.2

Test ID	Description	Prerequisite	Steps	Passing Criteria	Test Output	Status
5.2.1.1.1	E2 Setup (positive case)	An SCTP association is successfully established between the two SCTP endpoints of the E2 interface.	Initiate the E2 Setup procedure from Test Simulator to the DUT (Near-RT RIC) by sending E2 SETUP REQUEST Message	1) E2 Setup procedure is successfully completed. 2) E2 SETUP RESPONSE message is received. 3) E2 logs recorded in the Test Simulator are aligned with the message flow specified in "O-RAN WG3: E2 11 Application Protocol" [2] clause 8.3.1.		
5.2.1.2.1	Reset procedure (initiated by E2 Node) (positive case)	An SCTP association is successfully established between the two SCTP endpoints of the E2 interface.	1) Initiate the Reset procedure from Test Simulator to the DUT (Near-RT RIC) by sending RESET REQUEST 35 message 2) At the Test Simulator (E2 Node) the received and transmitted E2 messages are recorded. 3) The Test Simulator does validation	*1) Validation in test procedure step 3 is successful.* *2) E2 logs recorded in the Test Simulator (E2 Node) are aligned with the message flow specified in [2] Figure 12 8.3.2.2-1*		
5.2.1.2.2	Reset procedure (initiated by Near-RT RIC) (positive case)	An SCTP association is successfully established between the two SCTP endpoints of the E2 interface.	1) Initiate appropriate action in DUT (Near-RT RIC) to trigger Reset procedure. 2) At the Test Simulator (E2 Node) the received and transmitted E2 messages are recorded. 3) The Test Simulator does test validation: Table 5.2.1.2.2-1 4) If validation in step 3 is successful RESET RESPONSE message as specified in [2] clause 9.1.2.6 is sent to 6 the DUT (Near-RT RIC) with parameters: Table 5.2.1.2.2-2	*1) Validation in test procedure step 3 is successful.* *2. E2 logs recorded in the Test Simulator (E2 Node) are aligned with the message flow specified in [2] Figure 14 8.3.2.2-1*		
5.2.1.3.1	Error Indication procedure	1) The DUT (Near-RT RIC) has ability to set RIC Control Ack Request IE in RIC CONTROL REQUEST 3) An SCTP association is successfully established between the two SCTP endpoints of the E2 interface. 29 message. 2) The RAN Function are predefined between the DUT (Near-RT RIC) and the Test Simulator (E2 Node), see 31 clause 5.2.2.1.1.2.	1) Initiate appropriate actions in DUT (Near-RT RIC) to trigger RIC Control procedure to the agreed RAN 9 Function. 2) At the Test Simulator the received and transmitted E2 messages are recorded. 3) Received RIC CONTROL REQUEST message defined in [2] clause 9.1.1.8 is validated for the following 12 E2AP information elements defined: Table 5.2.1.3.1-1-. 4) Do not send RIC CONTROL ACKNOWLEDGE message specified in [2] clause 9.1.1.9 to DUT (Near-17 RT RIC) and wait until Timer TRICcontrol expires in DUT (Near-RT RIC) 5) The Test Simulator does the following validation: Table 5.2.1.3.1-2	*1) Validation in test procedure step 5 is successful.* *2. E2 logs recorded in the Test Simulator (E2 Node) are aligned with the message flow as specified above.*		
5.2.1.4.1	*RIC Service Update procedure with RAN Function modified (positive case)*	*The DUT (Near-RT RIC) has already successfully completed E2 Setup procedure initiated from the Test 19 Simulator (E2 Node) with a RAN function supported by the Test Simulator.*	1) Initiate the RIC Service Update procedure from Test Simulator to the DUT (Near-RT RIC) by sending RIC Service Update 2) Test simulator received the message and record it 3) The Test Simulator does the following validation: Table 5.2.1.5.1-2	1) Step 3 Validation 2) Step 2 E2 logs recorded in the Test Simulator (E2 Node) are aligned with the message flow specified in "ORAN WG3: E2 Application Protocol" [2] 8.3.5.2		

Done the mapping

Planning to do the tests today using the ITRI RIC Tester

ありがとう धन्यवाद Dank je Grazie Gracias Спасибо شكرا Obrigado Merci

谢谢
Thank you.
Terima kasih.