

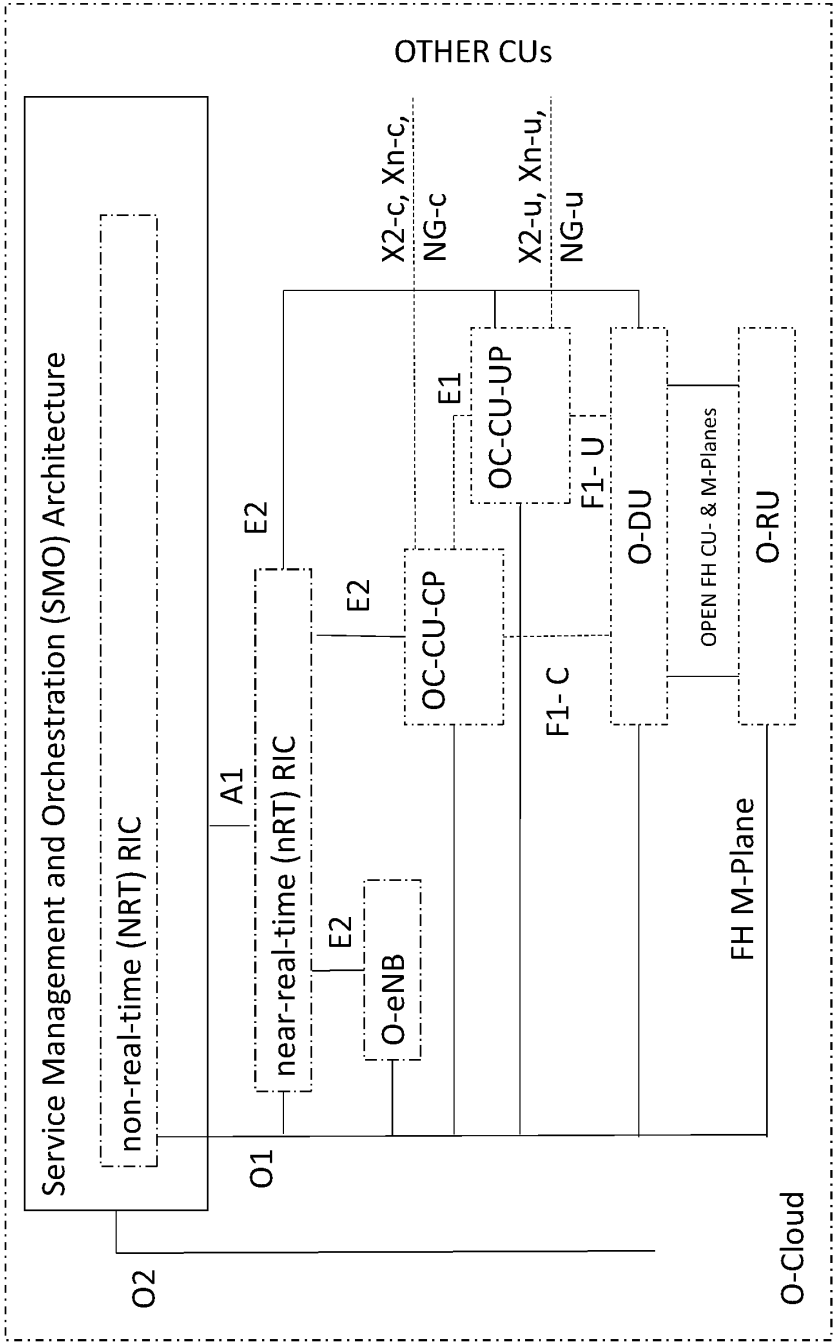


FIG. 1

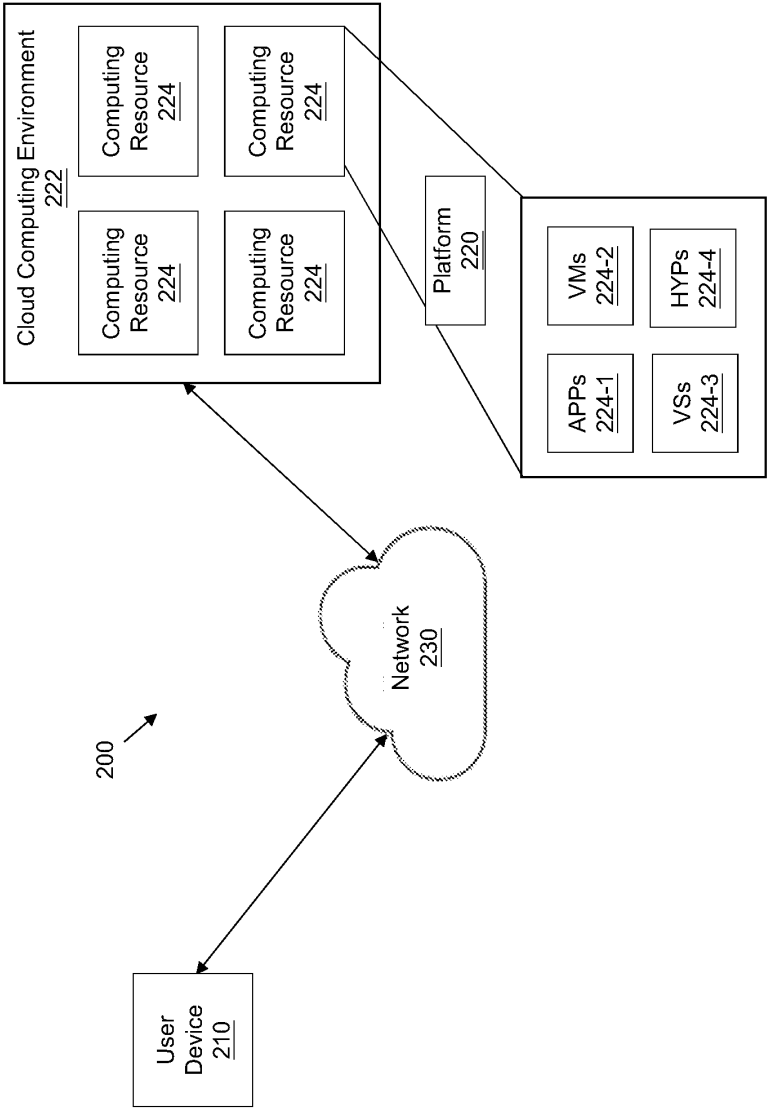


FIG. 2

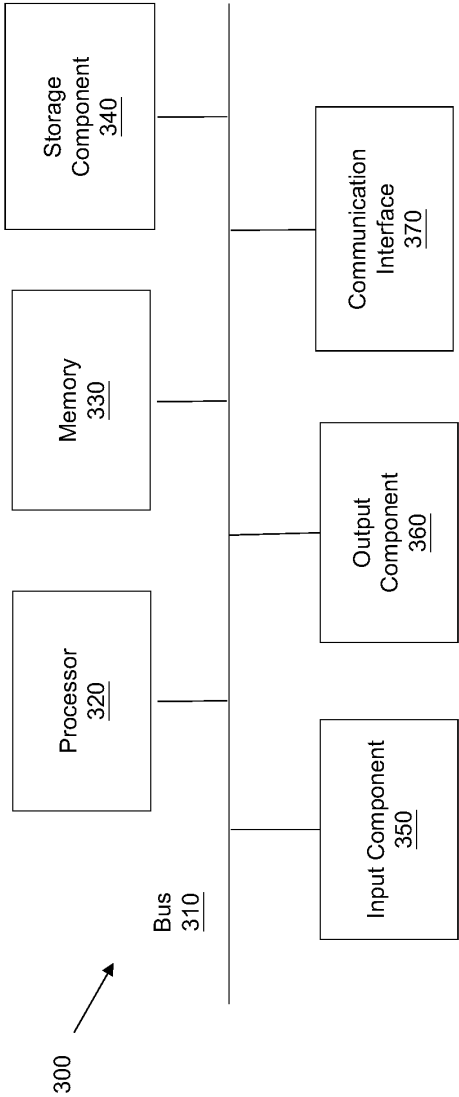


FIG. 3

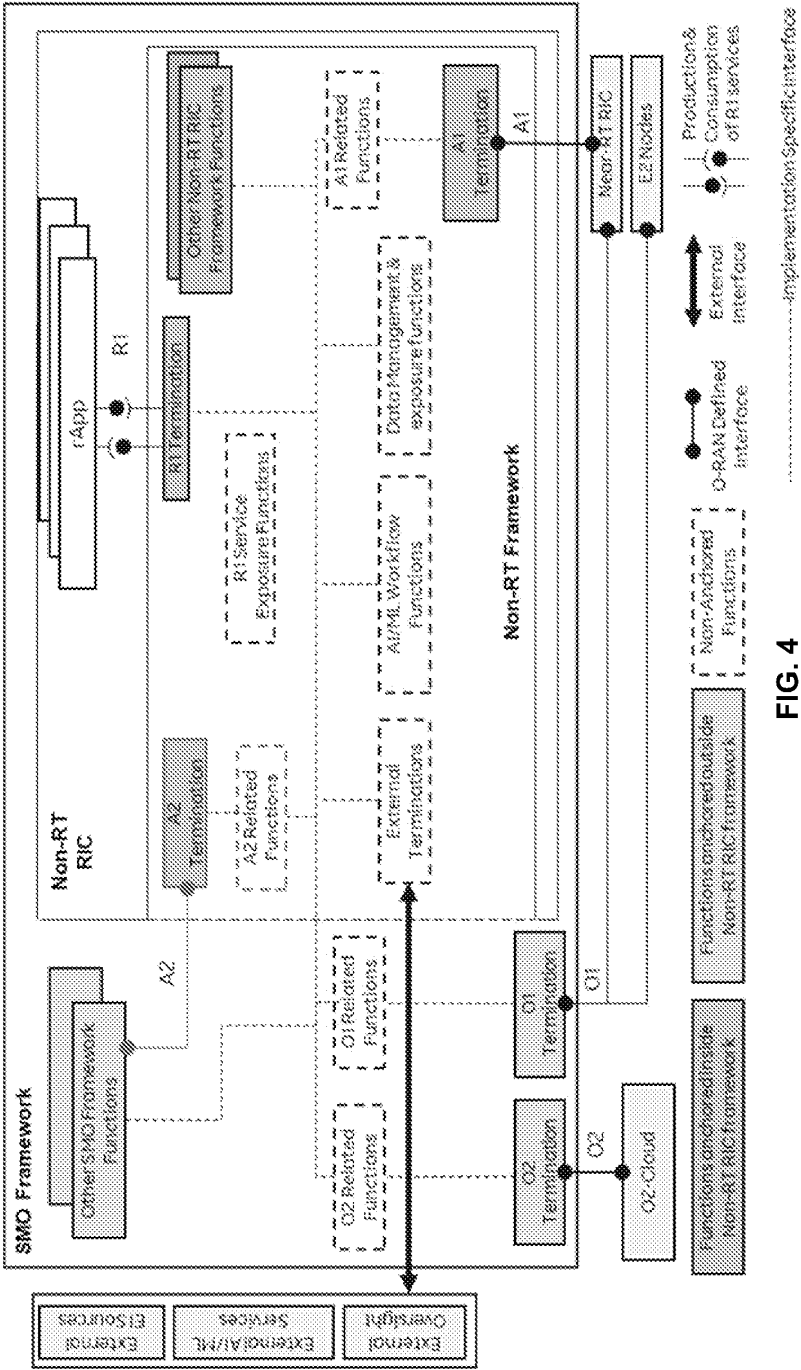
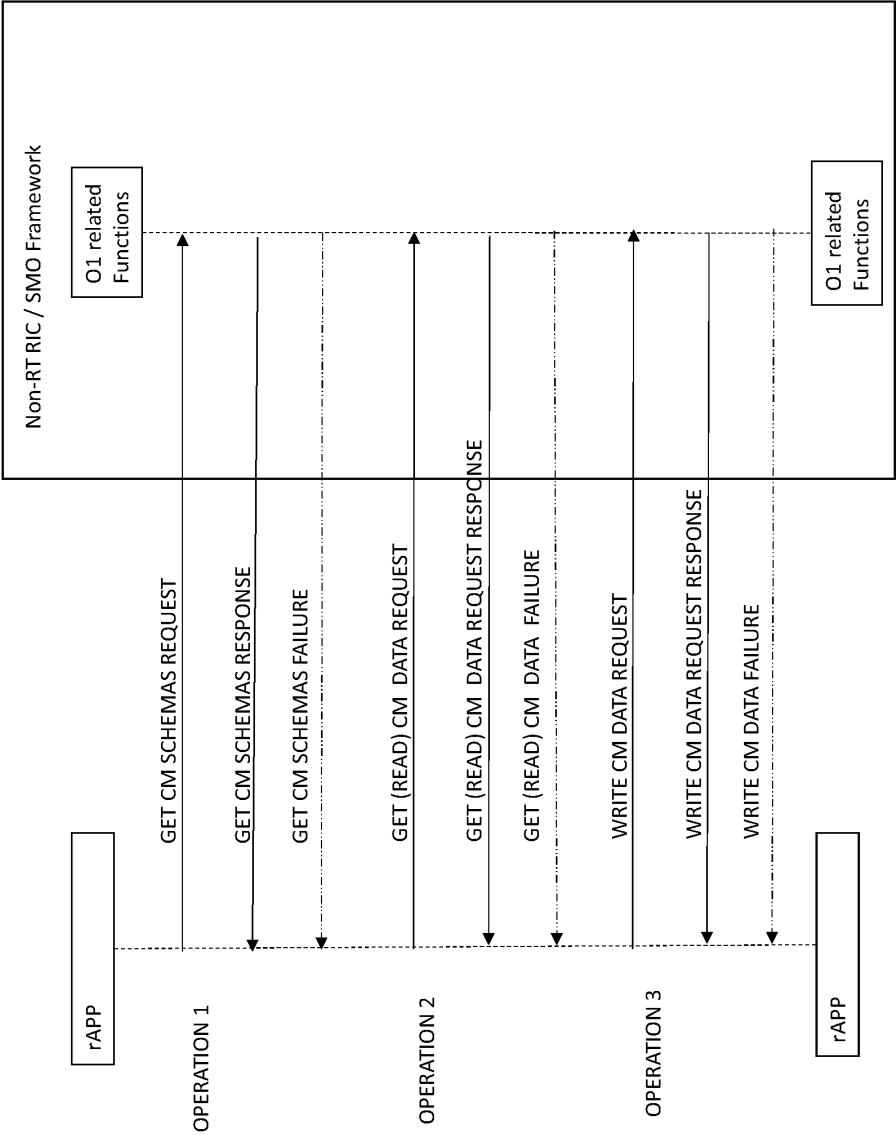


FIG. 4

FIG. 5



FIGS. 6A - 6D

IE/Group Name	Presence	Range
Message Type	M	
Network Elements List		1
>Network Element Item		1..<maxofNetworkElements>
>>Network Element ID	M	

FIG. 6A: GET CM SCHEMAS REQUEST

IE/Group Name	Presence	Range
Message Type	M	
Network Elements List		1
>Network Element Item IEs		1..<maxofNetworkElements>
>>Network Element ID	M	
>>IOC Type of the Network Element	O	
>>List of associated entities		1
>>>Associated entity item IEs		1..<maxofEntities>
>>>>Associated entity	M	

FIG. 6B: GET CM SCHEMAS RESPONSE- FOR EACH NETWORK ELEMENT

IE/Group Name	Presence	Range
CHOICE Entity Type	M	
>Attribute		
>>Attribute Name	M	
>>Attribute Definition	O	
>IOC		
>>Supported IOC Entity	M	

FIG. 6C: GET CM SCHEMAS RESPONSE- FOR EACH ASSOCIATED ENTITY

IE/Group Name	Presence	Range
IOC Name	M	
List of associated entities		1
>Associated entity item		1..<maxofNetworkElements>
>>Associated entity	M	

FIG. 6D: GET CM SCHEMAS RESPONSE- FOR EACH SUPPORTED IOC ENTITY

FIGS. 7A - 7C

IE/Group Name	Presence	Range
Message Type	M	
rApp ID	M	
Request ID	M	
Network Element ID	M	
Managed Object Instance ID	O	
List of associated entities		0..1
>Associated entity item IEs		1..<maxofEntities>
>>Associated entity	M	

FIG. 7A: GET (READ) CM DATA REQUEST – FOR EACH NETWORK ELEMENT

IE/Group Name	Presence	Range
CHOICE Entity Type	M	
>Attribute		
>>Attribute Name	M	
>>CHOICE Attribute Type	O	
>>>Query Attribute		
>>>>List of Test Conditions		0..1
>>>>>Test Condition item IEs		1..<maxofTestConditions>
>>>>>>Test Condition	M	
>>>>>>>Comparison	M	
>>>>>>>>Value	M	
>>>>>>>>>Logical OR	O	
>IOC		
>>Name-contained IOC Entity	M	

FIG. 7B: GET (READ) CM DATA REQUEST – FOR EACH ASSOCIATED ENTITY

IE/Group Name	Presence	Range
IOC Name	M	
Managed Object Instance ID	O	
List of associated entities		0..1
>Associated entity item IEs		1..<maxofNetworkElements>
>>Associated entity	M	

FIG. 7C: GET (READ) CM DATA REQUEST – FOR EACH NAME-CONTAINED IOC ENTITY

FIGS. 8A - 8C

IE/Group Name	Presence	Range
Message Type	M	
rApp ID	M	
Subscription ID	M	
Network Element ID	M	
Managed Object Instance ID	O	
List of associated entities		0..1
>Associated entity item IEs		1..<maxofEntities>
>>Associated entity	M	

FIG. 8A: GET (READ) CM DATA REQUEST RESPONSE – FOR EACH NETWORK ELEMENT

IE/Group Name	Presence	Range
CHOICE Entity Type	M	
>Attribute		
>>Attribute Name	M	
>>Attribute Value	O	
>IOC		
>>Name-contained IOC Entity	M	

FIG. 8B: GET (READ) CM DATA REQUEST RESPONSE– FOR EACH ASSOCIATED ENTITY

IE/Group Name	Presence	Range
IOC Name	M	
Managed Object Instance ID	O	
List of associated entities		0..1
>Associated entity item IEs		1..<maxofNetworkElements>
>>Associated entity	M	

FIG. 8C: GET (READ) CM DATA REQUEST RESPONSE – FOR EACH NAME-CONTAINED IOC ENTITY

FIGS. 9A – 9C

IE/Group Name	Presence	Range
Message Type	M	
rApp ID	M	
Subscription ID	M	
Network Element ID	M	
Managed Object Instance ID	O	
List of associated entities		0..1
>Associated entity item IEs		1..<maxnofEntities>
>>Associated entity	M	

FIG. 9A: WRITE CM REQUEST – FOR EACH NETWORK ELEMENT

IE/Group Name	Presence	Range
CHOICE Entity Type	M	
>Attribute		
>>Attribute Name	M	
>>Attribute Value	O	
>IOC		
>>Name-contained IOC Entity	M	

FIG. 9B: WRITE CM REQUEST – FOR ASSOCIATED ENTITY

IE/Group Name	Presence	Range
IOC Name	M	
Managed Object Instance ID	O	
List of associated entities		0..1
>Associated entity item IEs		1..<maxofNetworkElements>
>>Associated entity	M	

FIG. 9C: WRITE CM REQUEST – FOR NAME-CONTAINED IOC ENTITY

FIGS. 10A – 10C

IE/Group Name	Presence	Range
Message Type	M	
rApp ID	M	
Subscription ID	M	
Network Element ID	M	
Managed Object Instance ID	O	
List of associated entities		0..1
>Associated entity item IEs		1..<maxofEntities>
>>Associated entity	M	

FIG. 10A: WRITE CM REQUEST RESPONSE – FOR EACH NETWORK ELEMENT

IE/Group Name	Presence	Range
CHOICE Entity Type	M	
>Attribute		
>>Attribute Name	M	
>>Status	M	
>>Cause	O	
>IOC		
>>Name-contained IOC Entity	M	

FIG. 10B: WRITE CM REQUEST RESPONSE – FOR EACH ASSOCIATED ENTITY

IE/Group Name	Presence	Range
IOC Name	M	
Managed Object Instance ID	O	
List of associated entities		0..1
>Associated entity item IEs		1..<maxofNetworkElements>
>>Associated entity	M	

FIG. 10C: WRITE CM REQUEST FOR EACH NAME-CONTAINED IOC ENTITY

Msg type: GET CM DATA REQUEST
rApp ID: 1
Subscription ID: x1232323
Network Elements List
1>Network Element Item 0 IEs
2>Network Element ID: 10001001 (gNB ID)
2>List of associated entities
3>Associated entity 0 IEs
4>Associated entity
5>IOC
6>IOC Name: gNBCUCPFunction
7>List of associated entities
8>Associated entity 0 IEs
9>Associated entity
10>Attribute
11>Attribute Name: PLMN ID
8>Associated entity 1 IEs
9>Associated entity
10>IOC
11>IOC Name: NRCellCU
12>List of associated entities
13>Associated entity 0 IEs
14>Associated entity
15>Attribute
16>Attribute name: cellLocalID
13>Associated entity 1 IEs
14>Associated entity
15>IOC
16>IOC Name: CESManagementFunc
17>List of ass. entities
18>Associated entity 0 IEs
19>Associated entity
20>Attribute
21>Att. name: energySavingState
18>Associated entity 1 IEs
19>Associated entity
20>Attribute
21>Att. name: energySavingControl

FIG. 11