UE
RAN Node
Default C-CPF
Dedicate C-CPF
CNI-1 CPF-1
CNI-1 UPF-1
CNI-2 CPF-1
CNI-2 UPF-1
Part 1: MM Attach
1. UE requests for network connection
2. Common CP Function Selection
3. Network Connection Response
4. NAS Node Selection Function (Selecting one dedicate C-CPF from the pool of dedicated C-CPFs
5. UE's request for network connection
6. Authentication and authorization for connecting to Core Network Instance#1
7. Accept UE to connect to operator's network
Part 2: SM
Part 2.1: SM#1
8. New PDU Session request
9. New PDU Session request
10. New PDU Session request
11. New PDU Session response
12. New PDU Session response
Part 2.2: SM#2
13. New PDU Session request
14. New PDU Session request
15. New PDU Session request
16. New PDU Session response
17. New PDU Session response