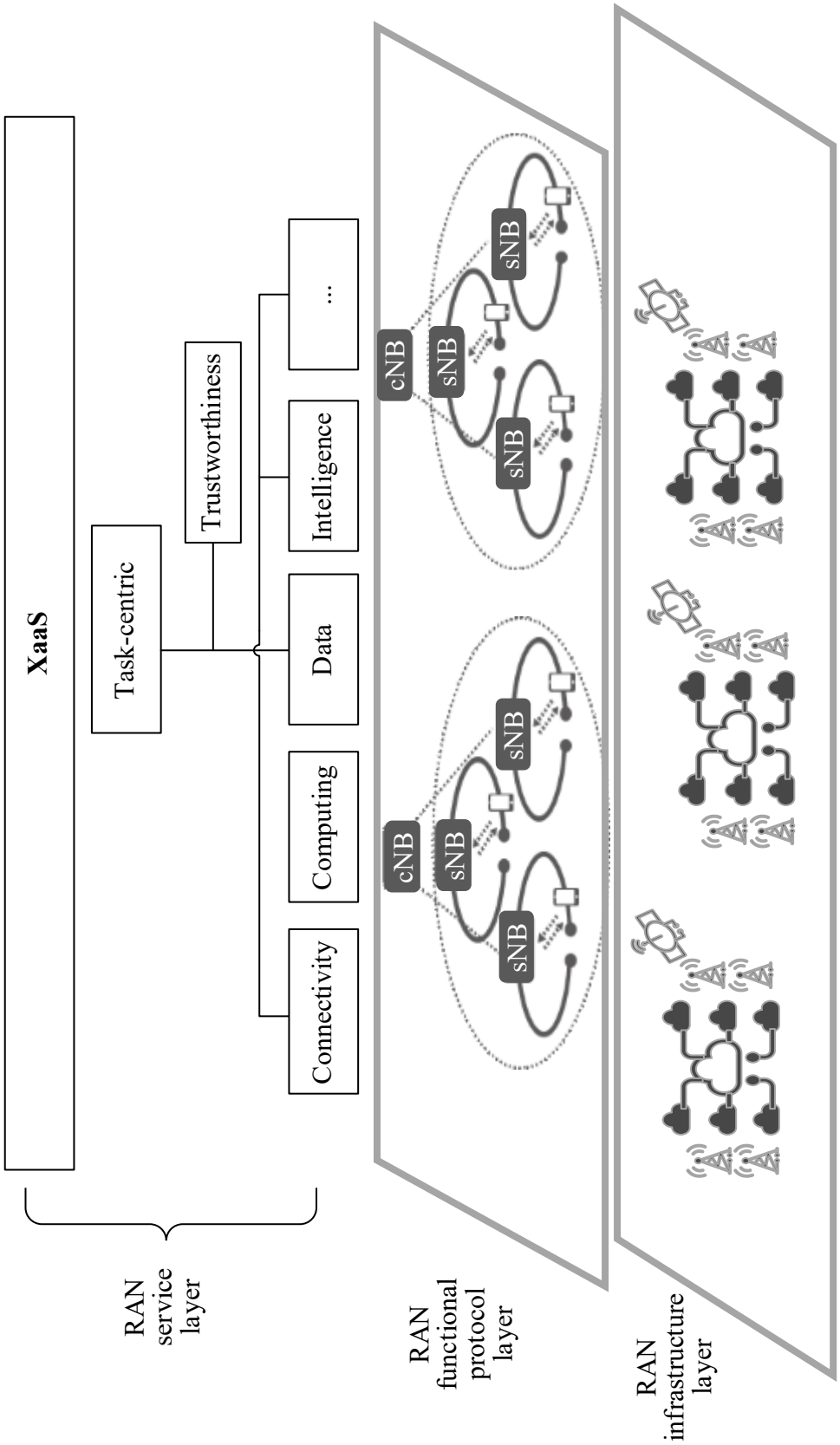

XaaS
Task-centric
Trustworthiness
Connectivity
Computing
Data
Intelligence
...
RAN service layer
cNB
sNB
sNB
sNB
cNB
sNB
sNB
sNB
RAN functional protocol layer
RAN infrastructure layer

FIG. 3

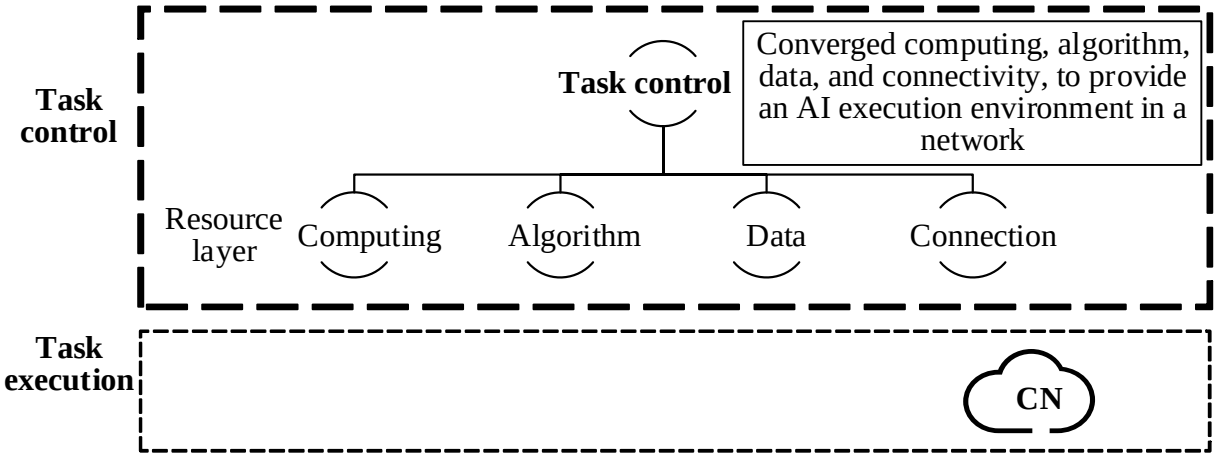

AIaaS
QoAIS
Task control
Task control
Converged computing, algorithm, data, and connectivity, to provide an AI execution environment in a network
Resource layer
Computing
Algorithm
Data
Connection
Task execution
CN

FIG. 87

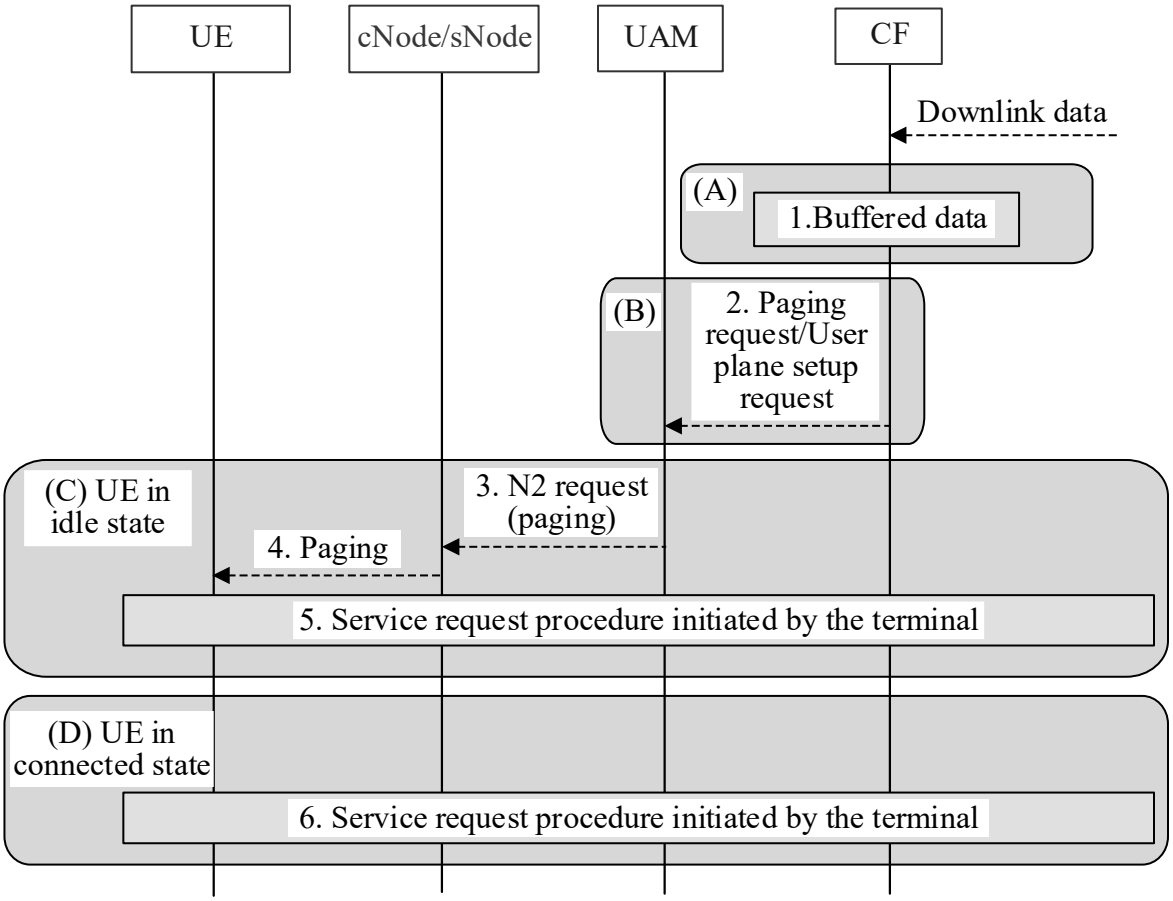

UE
cNode/sNode
UAM
CF
Downlink data
(A)
1.Buffered data
(B)
2. Paging request/User plane setup request
(C) UE in idle state
3. N2 request (paging)
4. Paging
5. Service request procedure initiated by the terminal
(D) UE in connected state
6. Service request procedure initiated by the terminal

FIG. 155

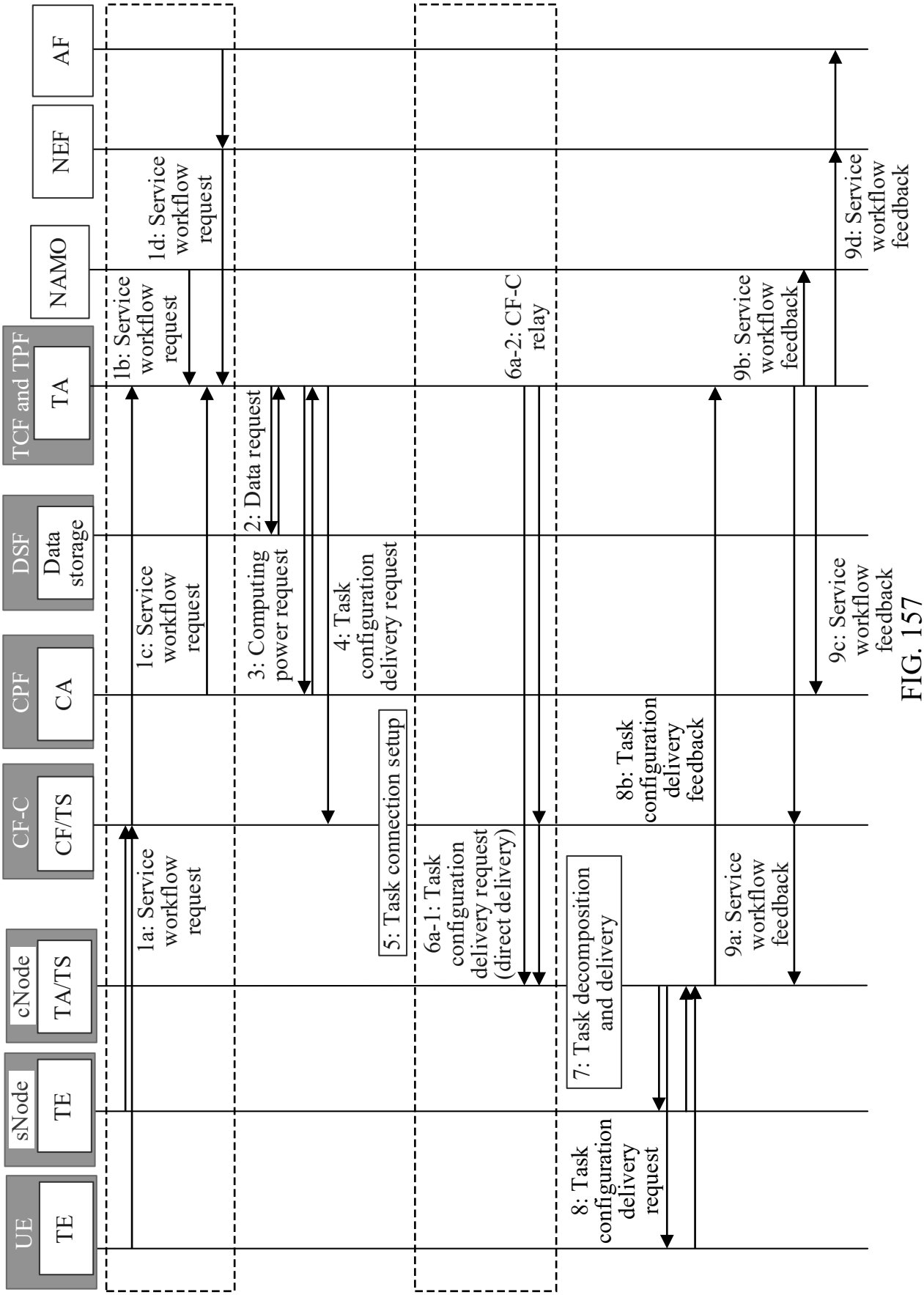

UE
TE
sNode
TE
cNode
TA/TS
CF-C
CF/TS
CPF
CA
DSF
Data storage
TCF and TPF
TA
NAMO
NEF
AF
1a: Service workflow request
1b: Service workflow request
1c: Service workflow request
1d: Service workflow request
2: Data request
3: Computing power request
4: Task configuration delivery request
5: Task connection setup
6a-1: Task configuration delivery request (direct delivery)
6a-2: CF-C relay
7: Task decomposition and delivery
8: Task configuration delivery request
8b: Task configuration delivery feedback
9a: Service workflow feedback
9b: Service workflow feedback
9c: Service workflow feedback
9d: Service workflow feedback

FIG. 157