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(54) Title: APPARATUS AND METHOD FOR IMPLEMENTING R1-O1 DATA MODELS FOR O1 RELATED SERVICES
WITHIN A TELECOMMUNICATIONS NETWORK

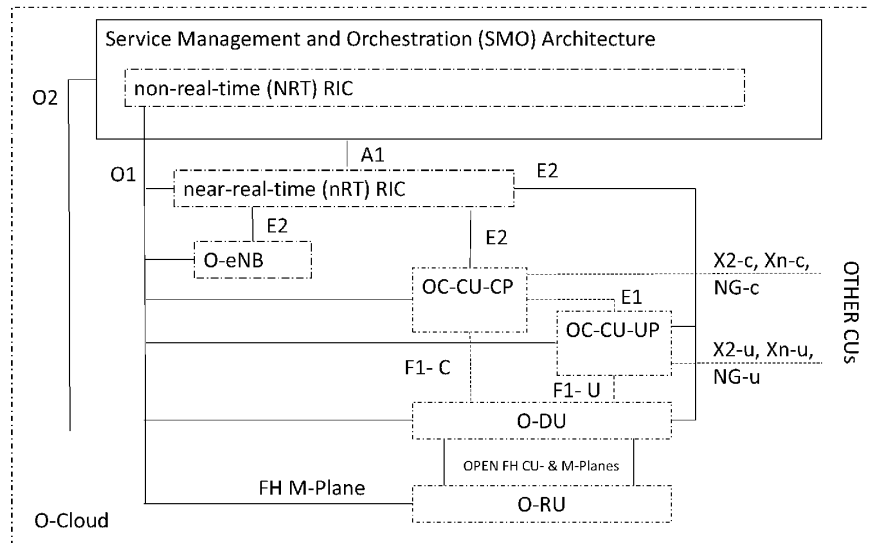


FIG. 1

(57) Abstract: An apparatus for a non-real-time radio access network intelligence controller (NRT-RIC) framework in an O-RAN. The apparatus includes a memory storing instructions; and at least one processor configured to implement the NRT-RIC framework of an NRT-RIC by executing the instructions to: receive, from an rApp a first request for retrieving a configuration schema of a network element in the O-RAN, the first request comprising a first R1-O1 data model identifying the network element, and the first request being received via an R1 interface; and send, from the NRT-RIC framework, a first response to the requested configuration schema, the first response comprising a second R1-O1 data model identifying the network element and identifying a configuration management (CM) attribute of the network element, wherein the R1 interface enables the NRT-RIC framework and the rApp to produce and consume at

[Continued on next page]

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least one OI interface related RI service in the NRT-RIC.