

ABSTRACT

This application provides a radio access network architecture. In addition to conventional connectivity, the architecture may provide other new features such as computing, data, trustworthiness, and intelligence. These new features are task-based collaboration of cross-node multi-dimensional resources (such as computing, data, an algorithm, and connectivity). Therefore, a centralized inter-station coordination manner can be provided to provide inter-region and intra-region task coordination. The radio access network architecture includes a cluster node and a serving node. The serving node provides task scheduling and executing functions, and the cluster node provides a region-level centralized collaboration function for the serving node and a collaboration function between cross-region cluster nodes. This centralized inter-station coordination manner can improve inter-station collaboration efficiency.

(Fig.6)