

IntelloT component available for OC #2 integration - Details

Name	Communications Resource Manager
Responsible partner(s)	Aalborg University (AAU)
Brief description	An xApp that configures the resources to be used by the 5G infrastructure (Open Air Interface (OAI)). The communications resource manager supports slicing on the 5G RAN level through the FlexRIC API. It provides configuration, reconfiguration and deletion of slices according to the desired Quality of Service parameters (maximum latency, maximum jitter and minimum throughput).
Interfacing (I/O)	API interfacing with the Edge Orchestrator to get requests for setting-up resources, reconfiguring or removing. API interfacing with FlexRIC to do the slicing on the RAN level.
Main interactions	Receipt of real-time requests from the Edge Orchestrator. Slice allocation to the FlexRIC
Deployment	Can be deployed locally or Dockerised.
Licensing	Proprietary
Deliverable references	Please refer to deliverable D2.6 - "High level architecture (final version)" , for more details regarding interfacing with the rest of the architecture & deliverable D4.3 - "Dynamic network management (first version)" , section 5.3 , for more details on the design and development of the component.

