Open5GCore REL. 1– PRE-STANDARD SOFTWARE TOOLKIT FOR THE 5G NETWORKS

Fraunhofer FOKUS Open5GCore software toolkit includes all the features required for running a testbed mirroring the current R&D state towards the 5G ecosystem. It addresses pre-standard prototyping beyond 3GPP Rel. 12. Major included functionalities are:

- LTE/5G Radio Signaling protocol stack – (NAS, RRC, PDCP, RLC, MAC emulation, basic scheduler)
- Functionality co-location support – integrated single core network control
- Data Path Optimization and Flexibility
- Runtime Flexibility – dynamic load balancing for GTP and Diameter
- Benchmarking Functionality – for quantitative measuring of innovation
- Fundamental EPC functionality - LTE and WiFi

Open5GCore also integrates with OpenSDNCore as transport network, prototype or off-the-shelf radio technologies and various application domains. Fraunhofer FOKUS is actively searching for partners requiring fast practical realization of novel concepts in the area of 5G operator networks (Devices, RAN, Core, Backhaul, Management and Application Delivery).