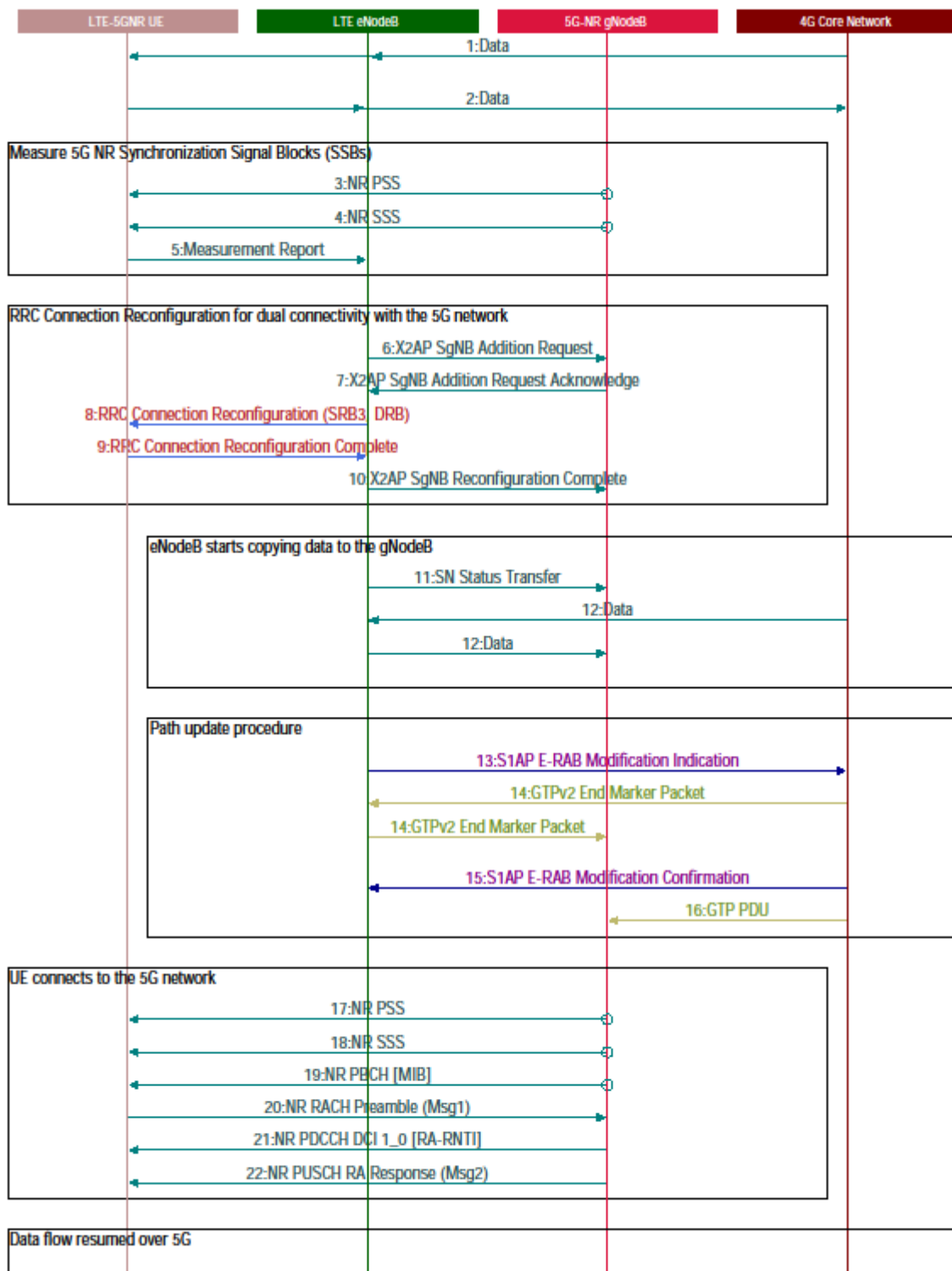


What is 5G NSA network architecture.

The 5G NSA (Non-Standalone) network architecture is a transitional approach where 5G radio access is supported by existing 4G LTE core networks. Here are the key components:

1. Radio Access Network (RAN)*: This includes the 5G NR (New Radio) base stations that connect user devices to the core network.
2. LTE Core Network*: The 4G LTE core network continues to handle user authentication, mobility management, and some control functions for 5G connections.
3. Dual Connectivity*: This enables simultaneous connections to both 4G LTE and 5G NR networks, allowing for faster data speeds and smoother transition between networks.
4. User Equipment (UE)*: Devices like smartphones and IoT devices that connect to the 5G NSA network via 5G NR and LTE.



5. Control and User Plane Separation (CUPS)*: This architecture feature separates the control plane (handling signaling and management) from the user plane (handling data traffic), improving flexibility and scalability.

6. Network Slicing*: Allows operators to create multiple virtual networks (slices) within a single physical network infrastructure, tailored to different service requirements.

This setup allows for quicker deployment of 5G services using existing LTE infrastructure while paving the way for full 5G standalone (SA) networks in the future.