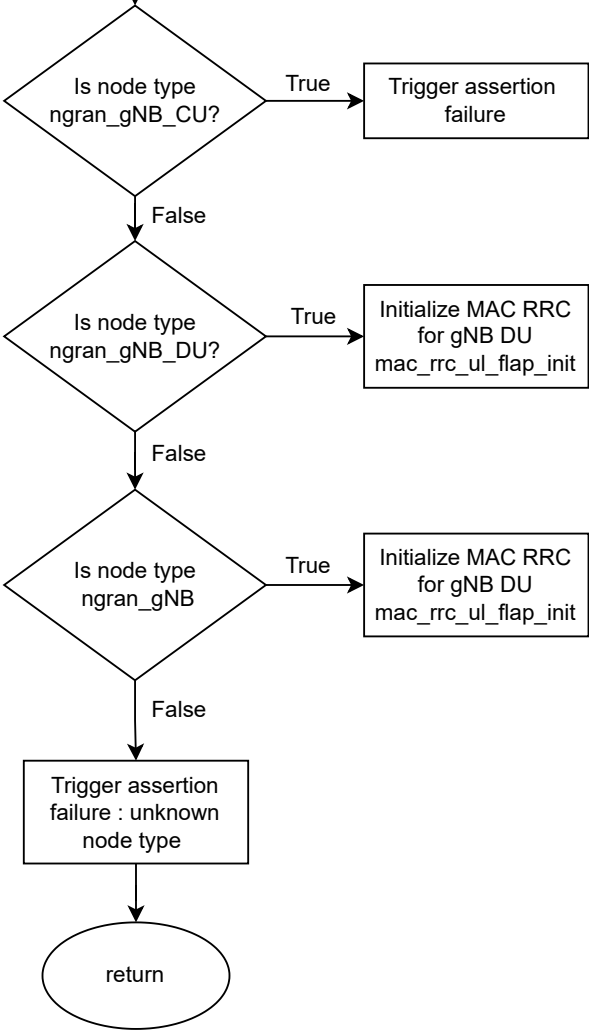
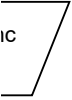


```
static void
mac_rrc_init(gNB_MAC_INST
*mac, ngran_node_t
node_type)
```

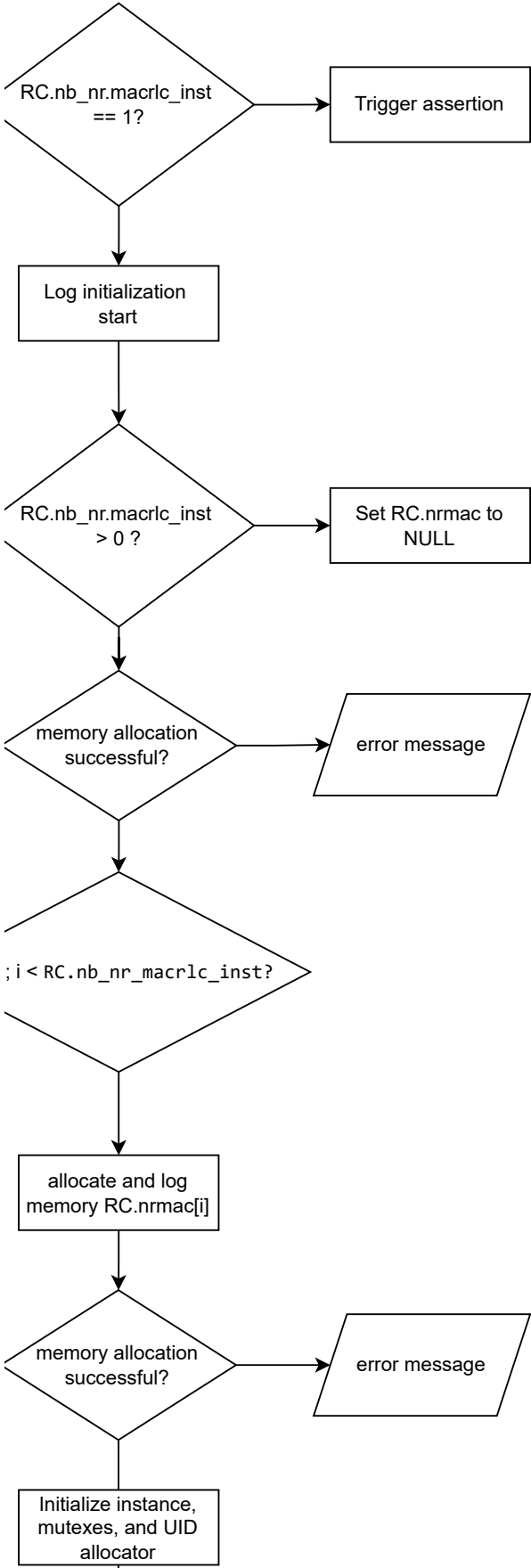
```
mac_top_in
NR_Serv
NR_S
const
```

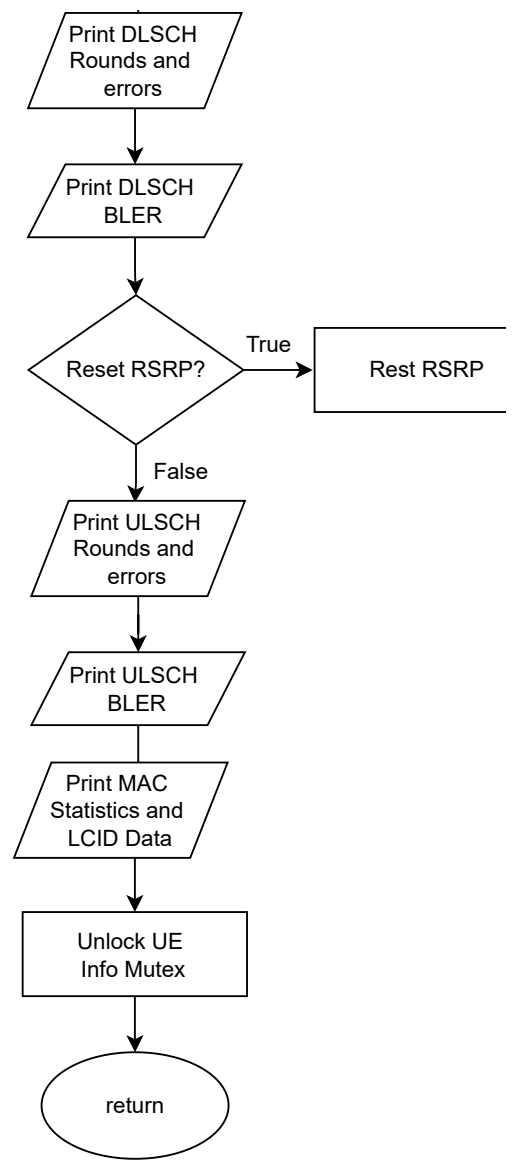


ion," is a synchronization primitive used to
ess to a shared resource in concurrent
vironments. It ensures that only one thread
source at a time, preventing race conditions
nd ensuring data consistency.



```
init_gNB(ngran_node_t node_type,  
ringCellConfigCommon_t *scc,  
servingCellConfig_t *scd,  
: nr_mac_config_t *config)
```







- **RLC Module Initialization** --> Ensures reliable data transmission by handling segmentation, reassembly, error correction, and flow contro.
- As for, **PDCP Layer Initialization** --> Provides header compression, encryption, integrity protection, and in-sequence delivery of packets. It is initialized conditionally based on specific parameters.



