

IoT NTN related features

	5GS			EPS		5GS				EPS		
	NR	NB-IoT	LTE-M	NB-IoT	LTE-M	23.501	23.502	23.503	23.273	23.401	23.203	23.271
Network selection	Y	Y	Y	Y	Y	5.2.2a	4.2.2.2.2, 4.2.2.3.3, 4.2.3.2		6.10.1	TBD		TBD
Registration Area management/Mobility Restrictions	Y	Y	Y	Y	TBD	5.3.2.3, 5.3.4.1.1				TBD		
Identification and restriction of using satellite access	Y	Y	Y	Y	TBD	5.4.10				TBD		
Standardized 5QI/QCI	Y	Y	Y	Y	Y	5.7.4				TBD		
Reporting of satellite backhaul to SMF/PGW-C	Y	Y	Y	Y	Y	5.8.2.15				TBD		
Handover procedures in 3GPP access	Y	Y	Y	Y	Y		4.9.1.1			TBD		
Policy determination based on Satellite Access or Satellite Backhaul	Y	Y	Y	Y	Y			6.1.3.5, 6.1.3.6, 6.2.1.2			TBD	
Report to AF on change of satellite backhaul category	Y	Y	Y	Y	Y			6.1.3.18			TBD	
Broadcasting multiple TAC	Y	Y	Y	Y	Y							
discontinuous radio coverage	Y	Y	Y	Y	Y							
Additional power saving functions other than those supported for EPS and 5G system	Y	Y	Y	Y	Y							
Modifications in the EPC-5GC interworking "baseline" specific to satellite CIoT	Y	Y	Y	Y	Y							
Network selection enhancement	Y	Y	Y	Y	Y							

Note: this is not an exhaust list, features not having been discussed in R17 can be further added



Already specified in R17



Discussion on going in R17



Not specified

Proposed way forward

	5GS			EPS	
	NR	NB-IoT	LTE-M	NB-IoT	LTE-M
Network selection	Y	R18 SID Note: If during the discussion we agree the solution is very clear without further study, we can propose TEI18 CRs directly		R17 WID	
Registration Area management/Mobility Restrictions	Y				
Identification and restriction of using satellite access	Y				
Standardized 5QI/QCI	Y				
Reporting of satellite backhaul to SMF/PGW-C	Y	Y	Y		
Handover procedures in 3GPP access	Y	Y	Y		
Policy determination based on Satellite Access or Satellite Backhaul	Y	Y	Y		
Report to AF on change of satellite backhaul category	Y	Y	Y		
Broadcasting multiple TAC	Y	Y	Y		
discontinuous radio coverage	R18 SID				
Additional power saving functions other than those supported for EPS and 5G system					
Modifications in the EPC-5GC interworking “baseline” specific to satellite CIoT					
Network selection enhancement					

Note: Features not having been discussed in R17 can be further added and included in the scope of R18 SID