





Data plane / XCF requirements			
multiple functional splits	Functional splits ranging from CPRI-like fronthaul traffic to backhaul traffic	Short overhead	Transport Efficiency The additional headers introduced by the XCF shall be short. Different paths to one destination
Isolate traffic Separate	Multi-tenancy one tenant shall not impact the QoS of the traffic of other tenants. One tenant shall not be able to	Flow differentiation Class of Service differentiation	provide QoS for individual flows in addition to traffic classes. different classes of service for different types of traffic
traffic Differentiatio n of forwarding	listen to traffic of another tenant. Traffic of different tenants may be forwarded differently.	In-band control traffic (OAM)	Management carry OAM traffic on the same links as the data traffic using XCF
Multiplexing gain Tenant ID	utilize statistical multiplexing gains among traffic of different tenants. Identify traffic of different tenants	802.3 802.11ad mmWave	yes/no yes/no yes/no
Ethernet Security support Compatible	Compatibility with legacy Ethernet encryption or authentication for frames carry synchronization information	Energy usage proportional to traffic	Energy efficiency The XFEs shall be energy efficient by using features such as sleep modes, reduced line rates, etc.
with (g)PTP on the same links as data traffic 04/05/2016		No lock in	based on standards













