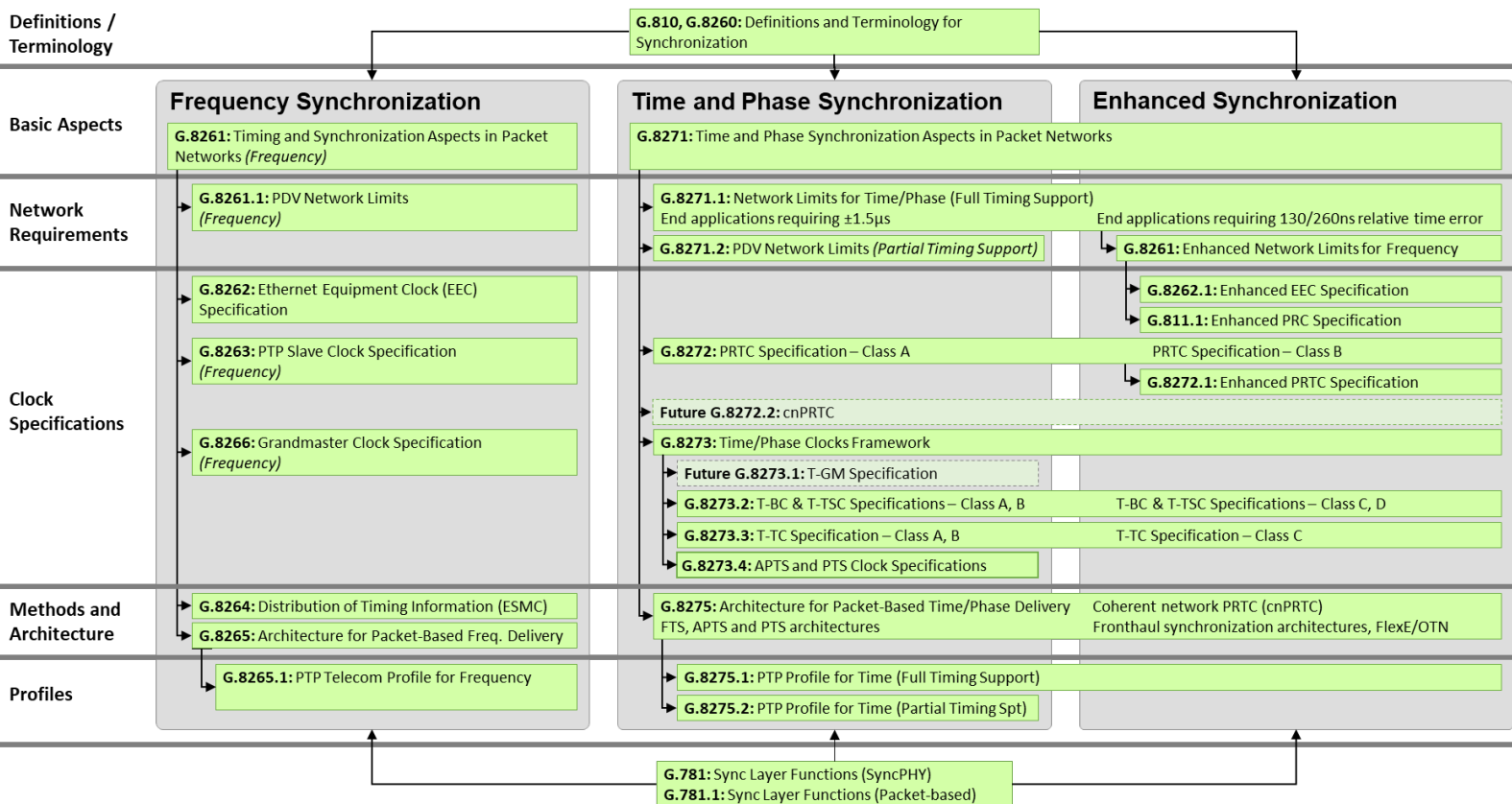


Q13/15 - Network synchronization and time distribution performance

- Q13/15 is the group in SG15 responsible for Network synchronization and time distribution performance. Active since the 90s (sync for SDH in SG18).
- Network synchronization performance specifications are essential for successful operation of digital transmission networks including the support of, for example, mobile networks.
- Network timing performance standards are necessary to define the feasibility and most effective means of implementing a time reference distribution service. This includes the distribution of both precision time and frequency.
- Q13/15 addresses:
 - Networks Timing Needs (e.g., OTN, MTN)
 - Timing needs of the End Applications (e.g., 5G Base Stations)
 - Distribution of Time-Phase and Frequency
 - Synchronization methods (e.g., over physical layer, via packets, GNSS)
 - Network synchronization architectures
 - Clocks
 - PTP (IEEE 1588) profiles for telecom networks
 - Network synchronization performance, redundancy, reliability, etc.



Note: Q13/15 Recommendations specifically developed for SDH and OTN are not shown in this diagram

