**Proposal 1.1**: On Rel.17 unified TCI framework:

* For joint and separate DL/UL TCI, DL large scale QCL properties are inferred from one (qcl-Type1) or two RSs (qcl-Type1 and qcl-Type2) analogous to Rel.15/16
* For joint DL/UL TCI, UL spatial filter is derived from the RS of DL QCL Type D

**Proposal 1.2**: On Rel.17 unified TCI framework, by RAN1#104bis-e, down select or modify at least one from the following alternatives:

* Alt1. A UE can be dynamically indicated with either joint DL/UL TCI or separate DL/UL TCI
	+ Details on dynamic indication are FFS
	+ FFS: UE capability for the support of joint DL/UL TCI and/or separate DL/UL TCI
* Alt2A. A UE can be configured with either joint DL/UL TCI or separate DL/UL TCI via RRC signaling
* Alt2B. A UE can be configured with either joint DL/UL TCI, separate DL/UL TCI, or both via RRC signaling
* Alt3. A UE can be configured with either joint DL/UL TCI or separate DL/UL TCI via MAC CE signaling
	+ Details on how this is signaled in relation to TCI activation are FFS

**Proposal 1.3**: On Rel.17 unified TCI framework, decide by RAN1#104bis-e:

* Whether DL or, if applicable, joint TCI also applies to the following signals. If not, FFS any other enhancement over Rel.15/16:
	+ CSI-RS resources for CSI
	+ Some CSI-RS resources for BM, if so, which ones (e.g. aperiodic, repetition ‘ON’)
	+ CSI-RS for tracking
* Whether UL or, if applicable, joint TCI also applies to the following signals
	+ Some SRS resources or resource sets for BM

**Proposal 1.5**: On the setting of UL PC parameters except for PL-RS (P0, alpha, closed loop index) for Rel.17 unified TCI framework:

* The setting of (P0, alpha, closed loop index) is at least associated with UL channel or UL RS
* Select or modify from one of the following alternatives by RAN1#104bis-e for PUCCH, PUSCH, and SRS separately:
	+ Alt1. The setting of (P0, alpha, closed loop index) is also associated with UL or (if applicable) joint TCI state
	+ Alt2. The setting of (P0, alpha, closed loop index) is included with UL or (if applicable) joint TCI state
	+ Alt3. The setting of (P0, alpha, closed loop index) is neither associated with nor included in UL or (if applicable) joint TCI state
	+ Alt4. The setting of (P0, alpha, closed loop index) is determined as in Rel-16 without enhancement

**Proposal 2.2**: On Rel.17 multi beam measurement/reporting enhancements for measurement/reporting of non-serving cell(s):

* A quality of up to K beams associated at least with non-serving cell(s) can be reported in a single CSI reporting instance
	+ For each beam, the UE can report at least: (1) a Measured RS Indicator, and (2) a Beam Metric associated with the Measured RS Indicator
	+ FFS: Maximum value of K
	+ FFS: If K is fixed, configured, reported by UE capability, or dynamically selected
	+ FFS: The type of beam metric (e.g. L1-RSRP, L3-RSRP, or hybrid L1/L3-RSRP) and related measurement behavior
	+ FFS: Whether or not beam reporting associated with non-serving cell(s) can be mixed with that with serving-cell in one reporting instance

**Proposal 3.1**: On the beam application time for Rel.17 DCI-based beam indication, the beam application time can be configured by the gNB based on UE capability

* Support a UE capability for the minimum value of beam application time
* FFS: the exact minimum values of beam application time supported by UE
* FFS: whether existing UE capability can be reused as this UE capability.
* FFS: whether different beam application time values are supported for uplink and downlink
* FFS: whether UE capability needs to be introduced for the maximum value of beam application time
* FFS: the reference for defining the UE capability (e.g. from DCI reception or ACK transmission)
* FFS: whether a UE is allowed to report more than 1 values in case of MPUE
* FFS: the application time when DCI and applied channel(s) are on different CCs with same/different SCS(s)s

**Conclusion 4.1**: On Rel.17 enhancements to facilitate UL beam selection for MP-UE, the following terms are used at least for the purpose of discussion:

* ‘Panel activation’ (at least for DL/UL measurement): activating L out of P available UE panel(s) at least for the purpose of DL and UL beam measurements (e.g. reception of DL measurement RS, transmission of SRS)
* ‘Panel selection’ (for UL transmission): selecting 1 out of L activated UE panel(s) for the purpose of UL transmission
* Note: UE-initiated panel activation and selection have been agreed in RAN1#103-e

**Proposal 5.1**: On Rel.17 enhancements to facilitate MPE mitigation,

* On further enhancing the P-MPR report in Rel.16 (already agreed RAN4 framework, including triggering), down select between beam-level and panel-select reporting
* On SSBRI(s)/CRI(s) and/or indication of panel selection, focus study on the following:
	+ Reporting of at least SSBRI(s)/CRI(s) to indicate gNB beam(s) that is feasible for UL transmission: additional reporting quantities are FFS
	+ Reporting of at least an indicator associated with a UE ‘panel’ that is feasible for UL transmission: additional reporting quantities are FFS
* Note: Just as agreed in RAN1#103-e, the purpose is to assess whether specification is needed or not