

ITU-R NGSO Workshop – Geneva, 21 April 2016

<u>Category</u>	<u>Changed Parameter(s)</u>	<u>New date of receipt?</u>	<u>Comments</u>	<u>Decision needed by?</u>
A	Additional frequency ranges	Yes	<ul style="list-style-type: none"> No brainer 	BR (RoP)?
B	Emission power densities and associated antenna characteristics	Yes, if max. levels increased or min. levels decreased or if new ES or satellite beams added that potentially cause more interference.	<ul style="list-style-type: none"> Should downlink levels be assessed by PFD at Earth's surface rather than EIRP transmitted by satellite? 	BR to consider PFD aspect? Then RoP?
C	Parameters used to determine compliance with Article 22 EPFD limits	No, provided EPFD limits are still met	<ul style="list-style-type: none"> EPFD limits are only relevant to GSO protection May be necessary anyway if Rec. S.1503-2 is modified 	BR (RoP)
D	<u>Orbital parameters:</u>			
D1	Tolerances to allow for real-world operational situations	No, provided acceptable tolerances can be agreed	<ul style="list-style-type: none"> What precision can be maintained? Does it impact other users? Orbits already defined absolutely by the orbit epoch date etc (so arbitrary and never complied with) Satellite failures and spare satellite reconfiguration requires flexibility concerning # of satellites and satellite phasing within an orbital plane Should information even be notified to the BR? 	WP4A to study
D2	System deployment spread over time (natural evolution)	No	<ul style="list-style-type: none"> Cannot implement large NGSO constellations in a single event Deployment of large NGSO constellations will likely take several years. Interim system will inevitably involve the use of non-filed parameters (e.g., number of satellites, orbital plane spacing, satellite phasing, minimum elevation angles, etc) Article 22 EPFD compliance parameters may also vary for interim system Should information even be notified to the BR? Should interim system operate under RR 4.4? 	WP4A to study
D3	Significant NGSO system redesign which impacts others	Yes	<ul style="list-style-type: none"> How to define? 	WP4A to study
E	<u>System implementation:</u>			
E1	Splitting single NGSO filed system into two or more separate real systems	Yes	<ul style="list-style-type: none"> Goes against the very principles of the ITU's well tried and tested management of satellite filings 	Already addressed in BR correspondence to NGSO filing admins. Need RoP?
E2	Operating single NGSO real system under two or more separate co-frequency ITU filings	Yes (unless responsible administration(s) commit(s) to Article 22 EPFD levels for aggregate real system)	<ul style="list-style-type: none"> Potentially impacts GSO community by increased aggregate EPFD levels if aggregate commitment is not made 	BR (RoP)?