









5G in content production
The European perspective

Ian Wagdin BBC

In the beginning, it was analogue.









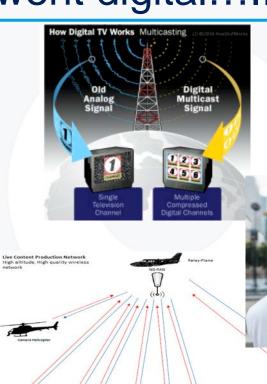




And then we went digital.....











And now we have IP











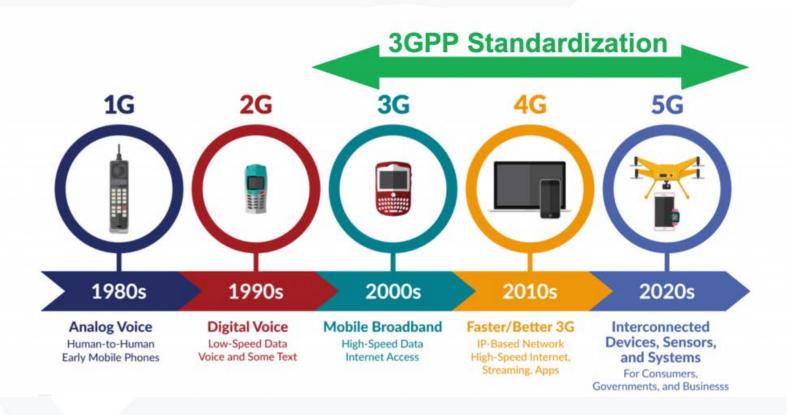
And it's not just us





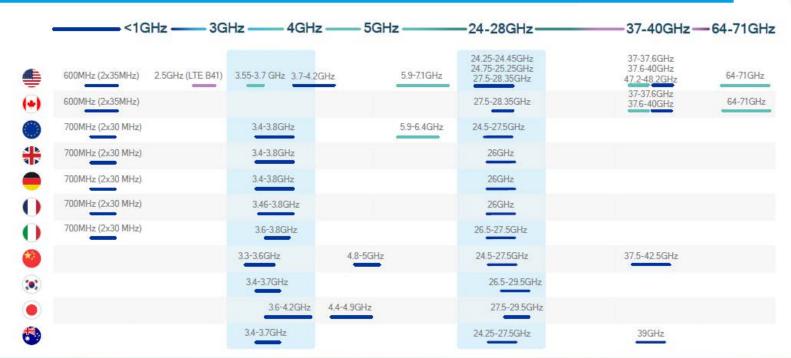
And it's not just us





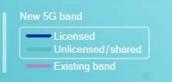
Spectrum





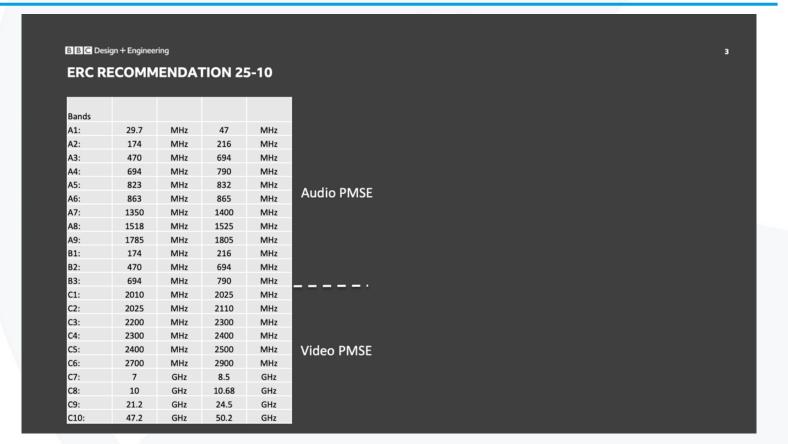
Global snapshot of 5G spectrum

Around the world, these bands have been allocated or targeted



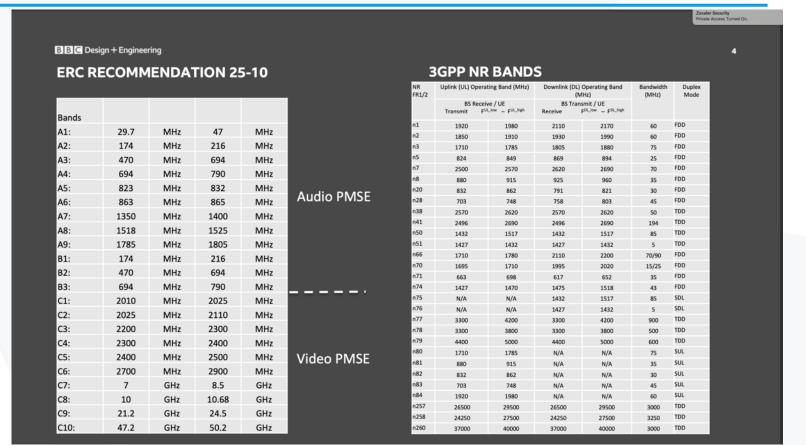






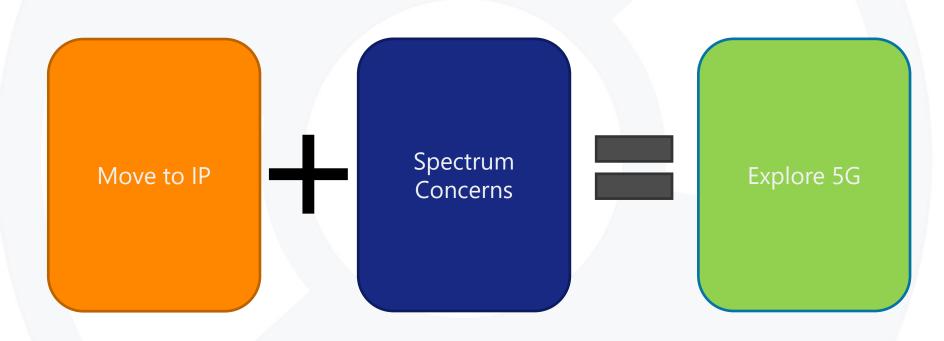






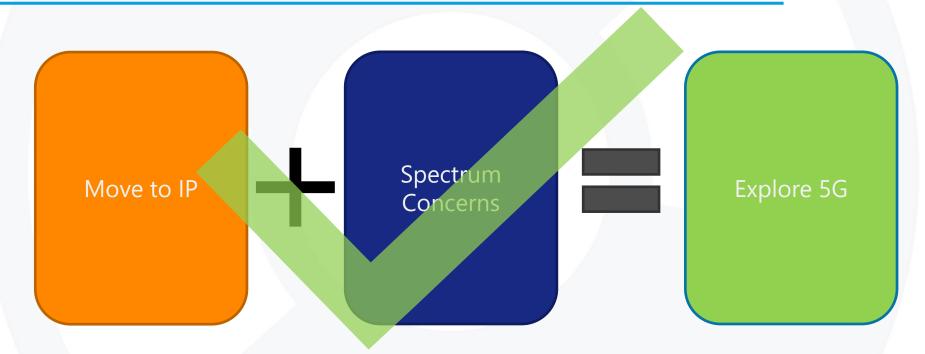
Why 5G?





Why 5G? Answer 1

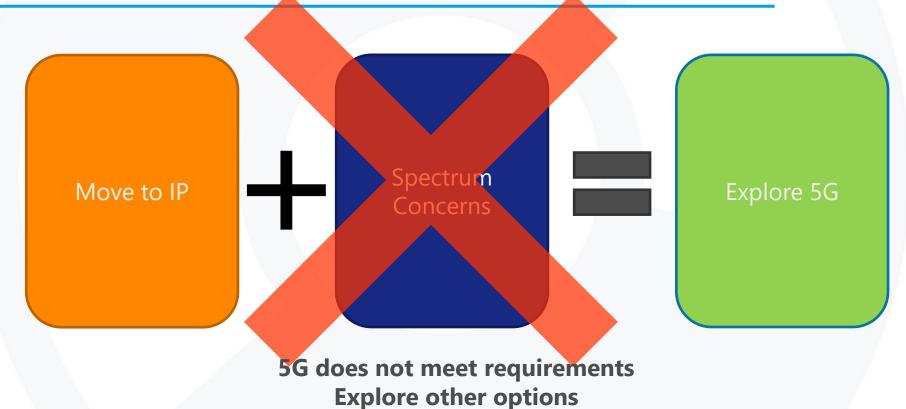




5G is good enough for Production Adopt technologies

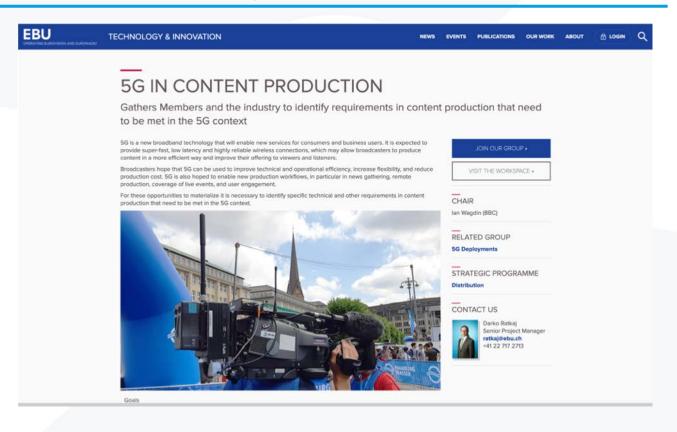
Why 5G? Answer 2











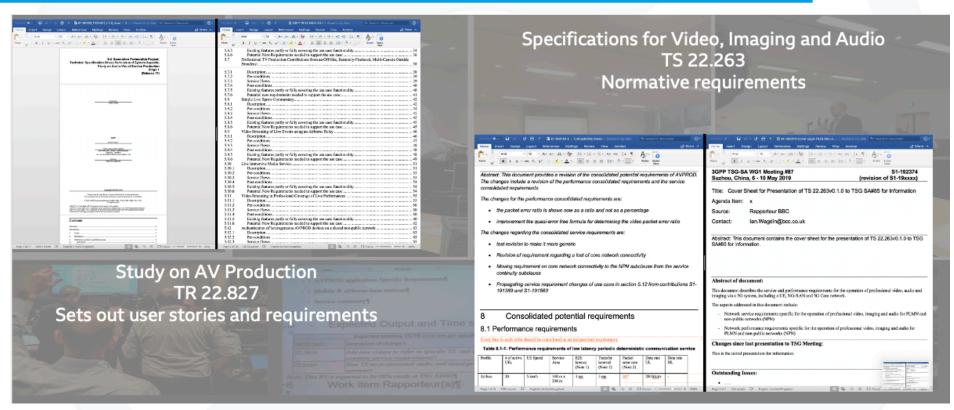
What we are doing





What we are doing





Key Themes



- High Bandwidth support up to 1GB/s
- Open IP broadcast standard support
- QoS (low PER)
- PTP to act as a master clock
- Low latency
- Audio for radio mics, In ear monitoring etc
- Requirements for NPNs
- Managed networks
- 'Roaming' for PLMN and NPN

Key Themes





5G FOR PROFESSIONAL MEDIA PRODUCTION AND CONTRIBUTION

Tech Report 056

TECHNICAL REPORTS

07 Oct 2020



The scope of this document is to explore the possibilities provided by 5G rather than other forms of wireless solution. To this end, several challenges need to be addressed and these can be broken down into four key areas: standardisation, technology availability, regulation, and business models

OPEN FILE (PDF, 1.2 MB)

RECOMMENDED

5G in content production Why production will move to 5G

BroadThinking 2020 5G in Media

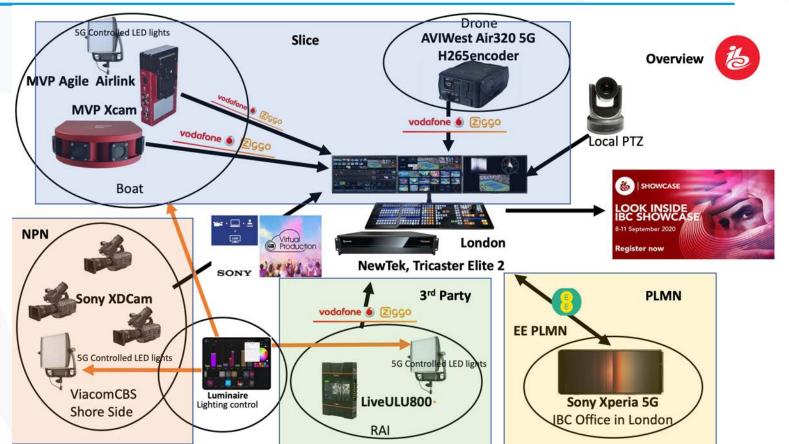
> 5G for the distribution of media content 5G-MAG Media and 5G

5G represents an opportunity and challenges for the content creation industry, 5G offers much in terms of bandwidth, reduced latency, timing and quality of service. It is also expected that standardised 5G-based solutions would bring down the costs and increase the flexibility of production.

But the 5G roll-out is a gradual evolution and will take time to achieve the capabilities promised by the marketing hype, if it ever does. The media industry is engaging well with the standards bodies and regulatory bodies. Innovative ways of

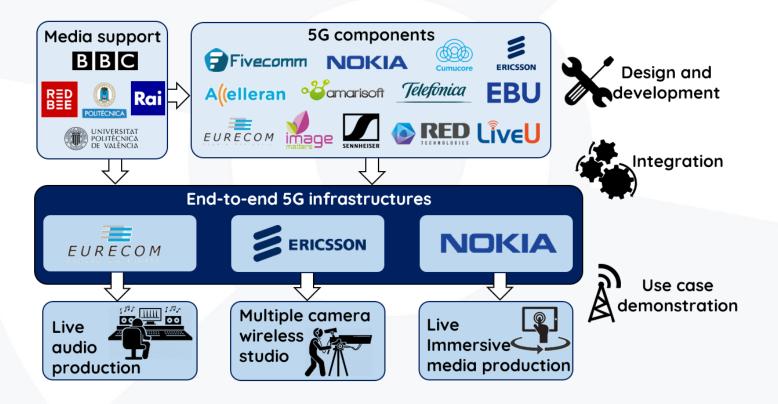
What we are doing





What we are doing



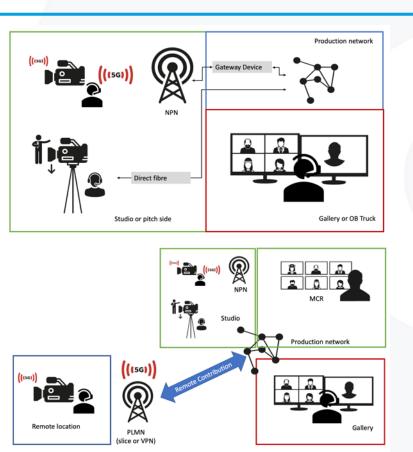


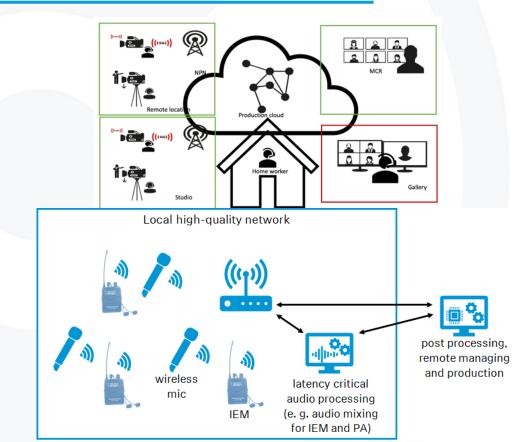
It will take time



	Crawl	Walk	Run
	×	×	×
₽	×	×	×
₩I ⇔	✓	×	×
224 224 224	✓	×	×
	✓	✓	×







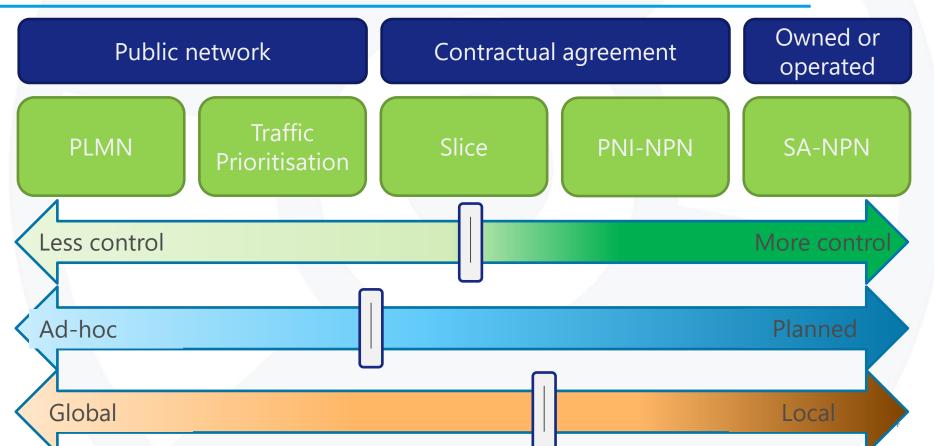


PLMN Traffic Slice PNI-NPN SA-NPN













Conclusion









Flexibility



Reliability

















Thanks for your attention Any questions?