

The logo for NICCC (UK Interoperability Standards) is displayed in a stylized, white, lowercase font. The letters are bold and have a modern, rounded appearance. A registered trademark symbol (®) is located at the end of the 'c'.

UK Interoperability Standards

IP Call Routing

Martin Simmonds

- Operators are currently migrating or have already migrated to an all-IP network infrastructure
- Currently, calls are routed either according to the leading digits of the dialled number, or in some cases – notably calls to ported numbers – based on inserted prefix digits (known as porting codes)
- Calls to ported numbers are routed via the original number range holder – which is inefficient
- Legacy porting processes will struggle to cope with the mass migration of numbers to IP
 - Residential Forecast Orders - Currently 180k/mth growing to 1M/mth by 2023
 - Business Forecast Orders - Currently 15k/mth growing to 50k/mth by 2023
- Ofcom are considering the introduction of a common numbering database



The IP Routeing Task Group was created to write a report which will review (considering the adoption of IP technology) the following questions:

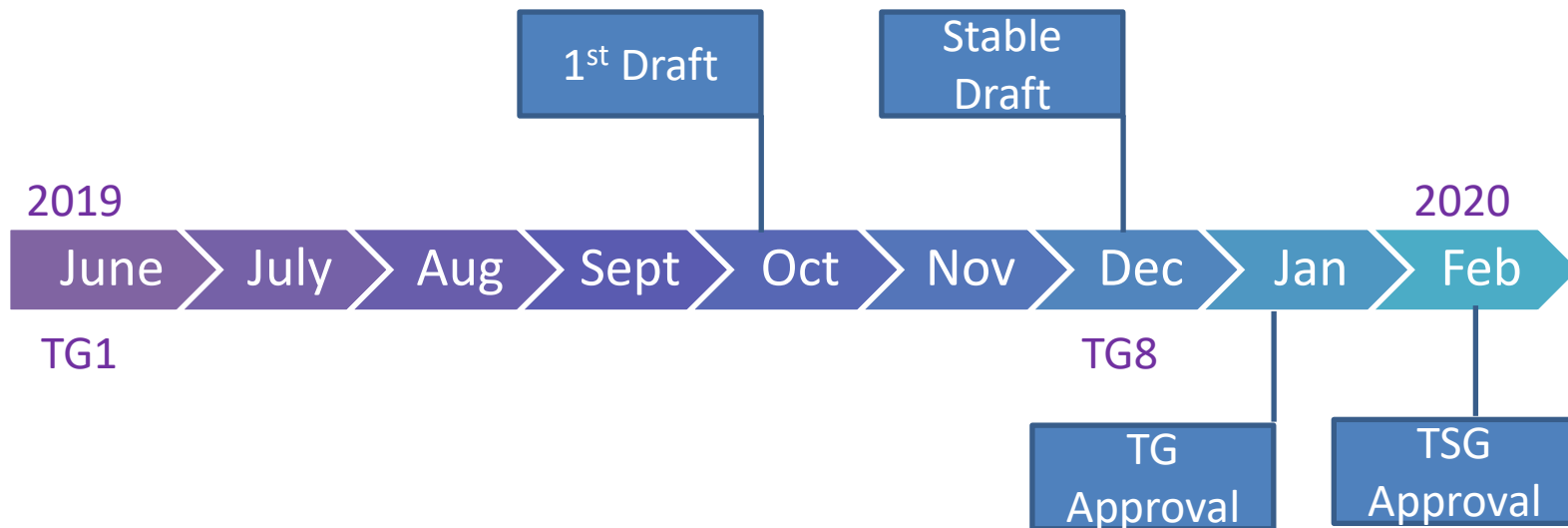
1. Should a common numbering database be adopted for call routeing?
2. What should the “key” for future routeing be? (e.g. use of prefixes, use of internet domains/addresses, IP addresses, RFC4694)
3. How will number portability be implemented?
4. Should interconnection remain a bilateral exercise, or should there be alternate measures such as public peering points? If so, what standards are needed?

Requirements from the Executive Number Porting Steering Group (OTA):

“a strategic solution optimised to cater for an All IP landscape first and foremost whilst incorporating the capability (i.e. the hooks) to manage the porting demands which will continue to arise in a hybrid TDM/IP world until 2025”




- Task Groups have been well attended



- We aim to publish the report in Feb 2020





Thank You