

5G EVE

European Validation Platform for extensive Trials

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5G EVE

5G EVE Objectives (1)

- Create a 5G end to end facility, providing the means for experimenting with:
 - eMBB, mMTC, URLLC services;
 - Access technologies (NR, spectrum, radio resource management);
 - BH/FH technologies;
 - MEC capabilities
 - Core network and service technologies including a 5G VNF pool;
 - Slicing and orchestration (cross domain and network segment/technology)
- Deliver an end-to-end facility that will enable experimentation and validation with full sets of 5G capabilities: initially Rel.15 compliant and Rel.16 compliant by project end.
- Interworking site facilities in Greece, Spain, France and Italy offering vertical industries a validation platform through a unified functional and operational API.



5G EVE Objectives (2)

- Build an operational abstraction that provides vertical industries with a single operational interface to the 5G end to facility.
 - APIs, tools, and mechanisms that ease the verticals to deploy their multi-site trials.
- Implement the notion of a single end-to-end facility.
 - Enable vertical industries or operators to evaluate KPIs
 - Perform benchmarking of different technologies in a consistent way
- Support a pool of optimized VNFs which can be orchestrated in a modular way and provide the possibility to add new VNFs to the pool, to validate novel and non-standard features.



5G EVE Objectives (3)

- Evolve in alignment with the latest features of the 5G standards.
- Achieve 3GPP Release 16 compliance by the end of the project.
- Ability to deploy selected pre-commercial features of 3GPP Release 16, preparing the site facilities beyond 5G standards.
- Enable trials to span multiple interworking site facilities.
 - Allow verticals to run trials using resources of multiple site facilities enabled by interworking among the sites.



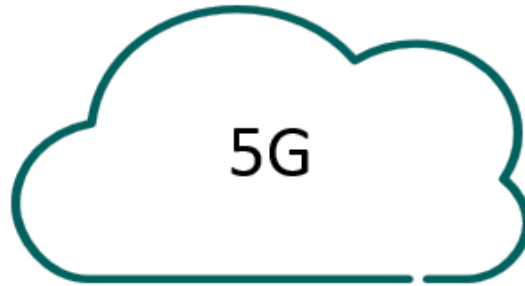
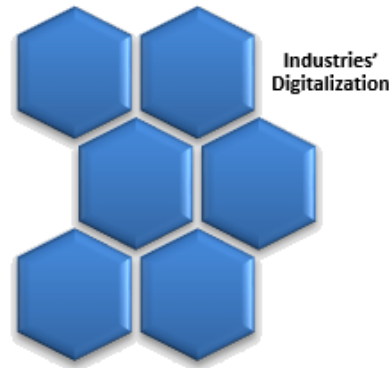
5G EVE partners and trial-sites



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How 5G EVE delivers these objectives



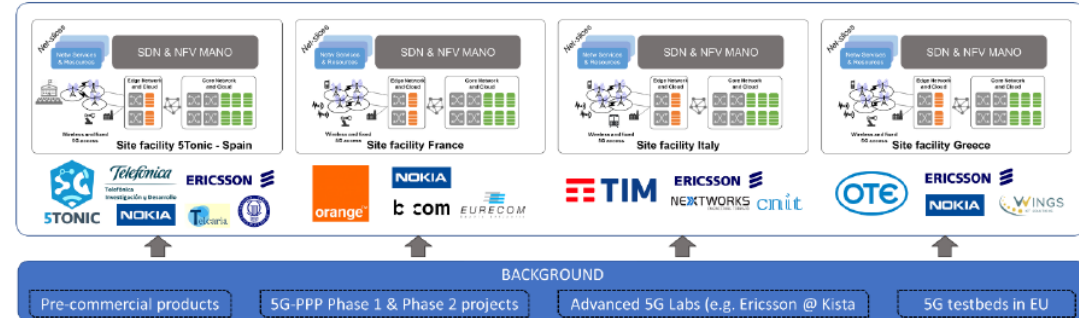
5G EVE Participant Verticals



ICT-19 / ICT-22



5G EVE's Integrated Portal for 5G Experimentation and Validation, with interworking capabilities among trial sites



BACKGROUND
Pre-commercial products | 5G-PPP Phase 1 & Phase 2 projects | Advanced 5G Labs (e.g. Ericsson @ Kista) | 5G testbeds in EU

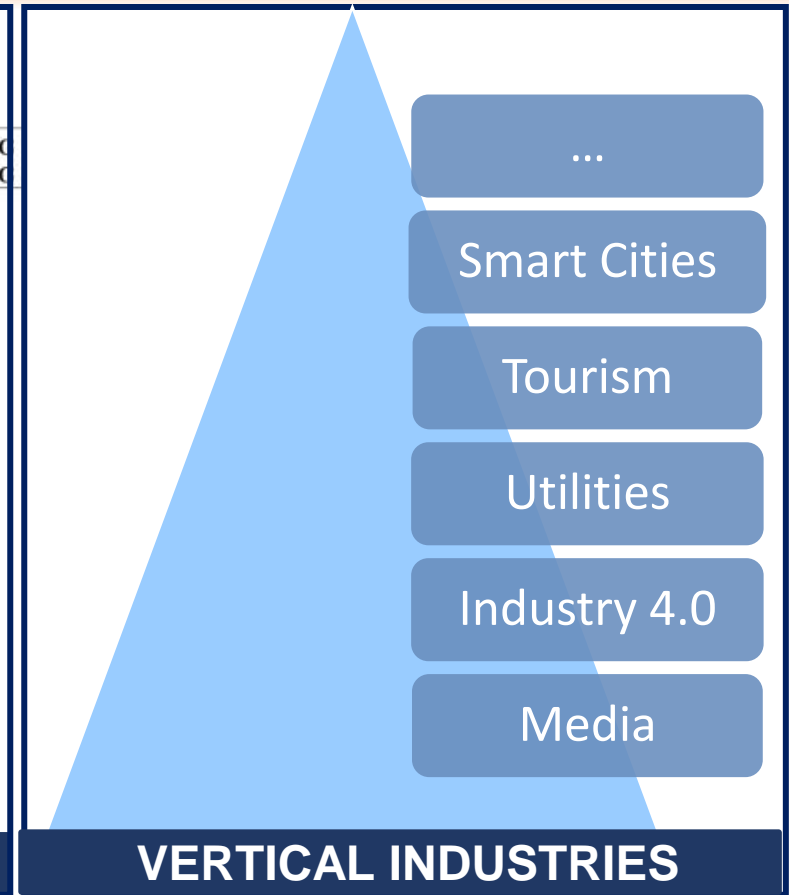
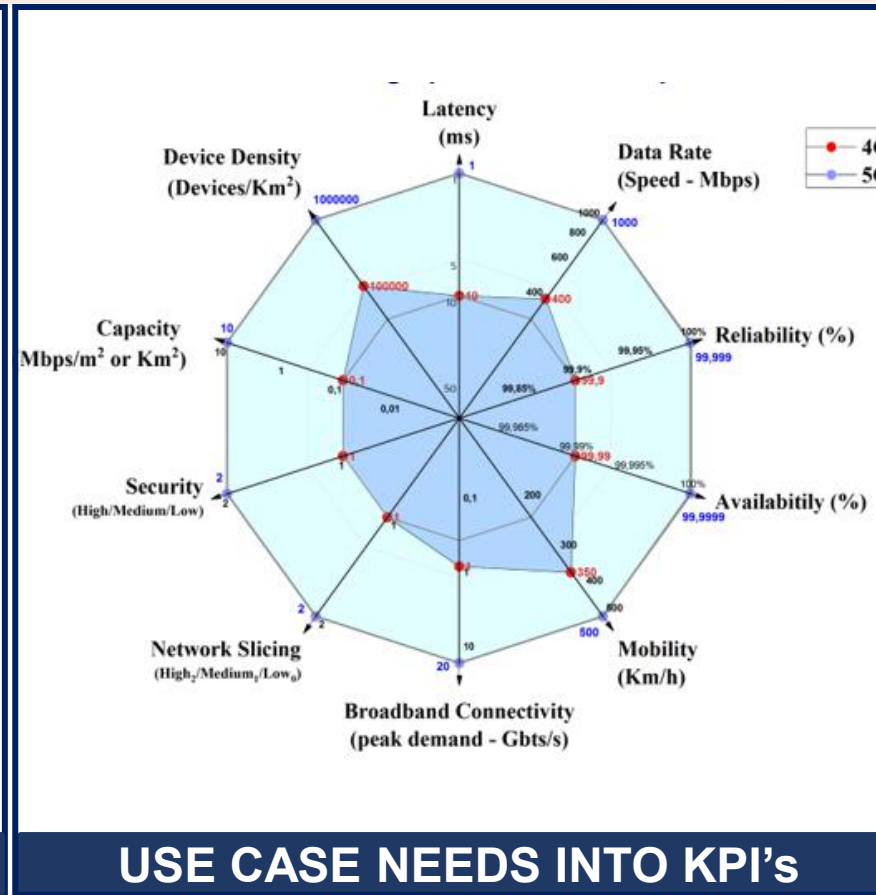


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5G EVE Collaboration Model

1. Joint Specification and Planning of the Trials

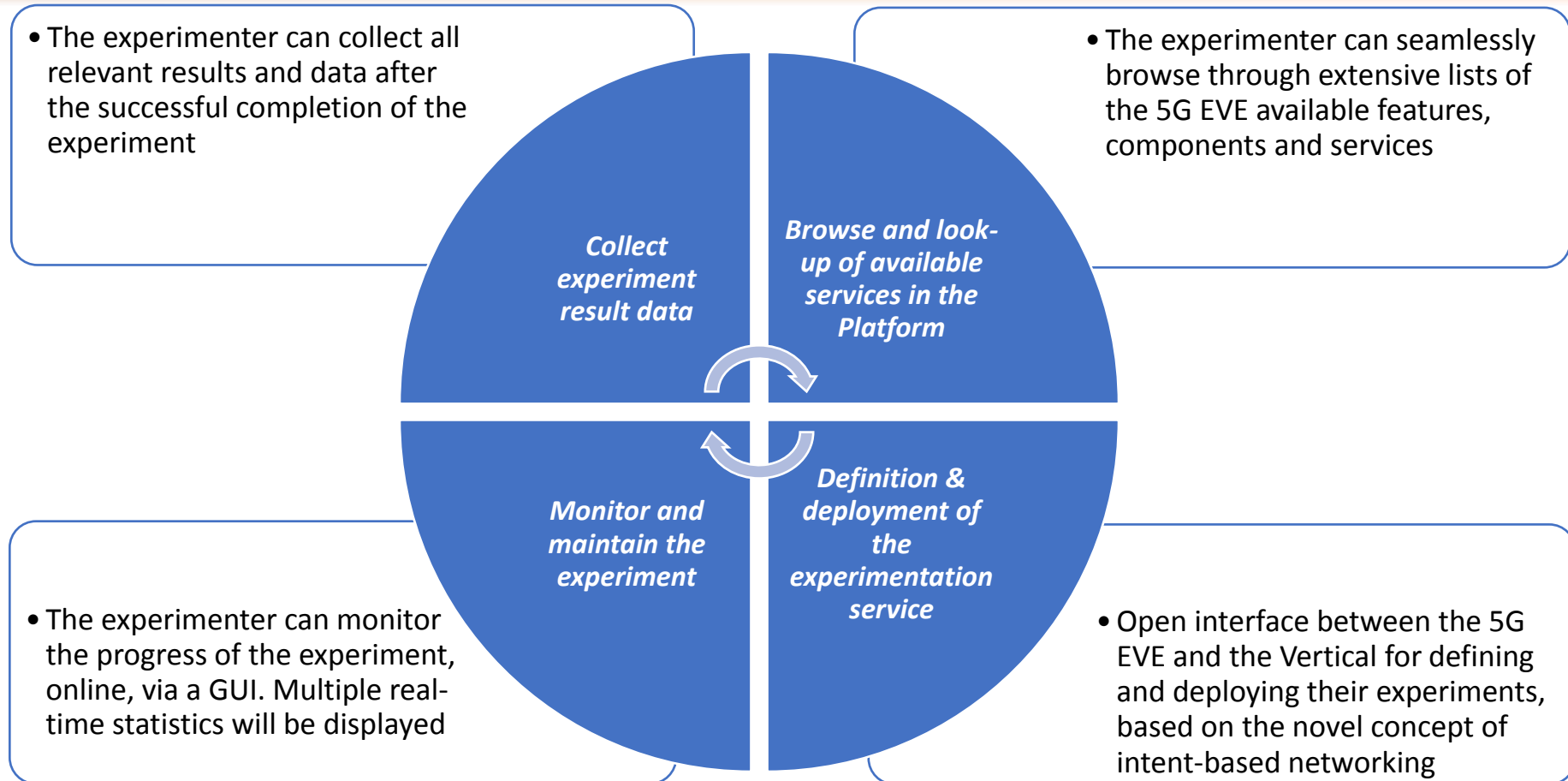


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5G EVE Collaboration Model

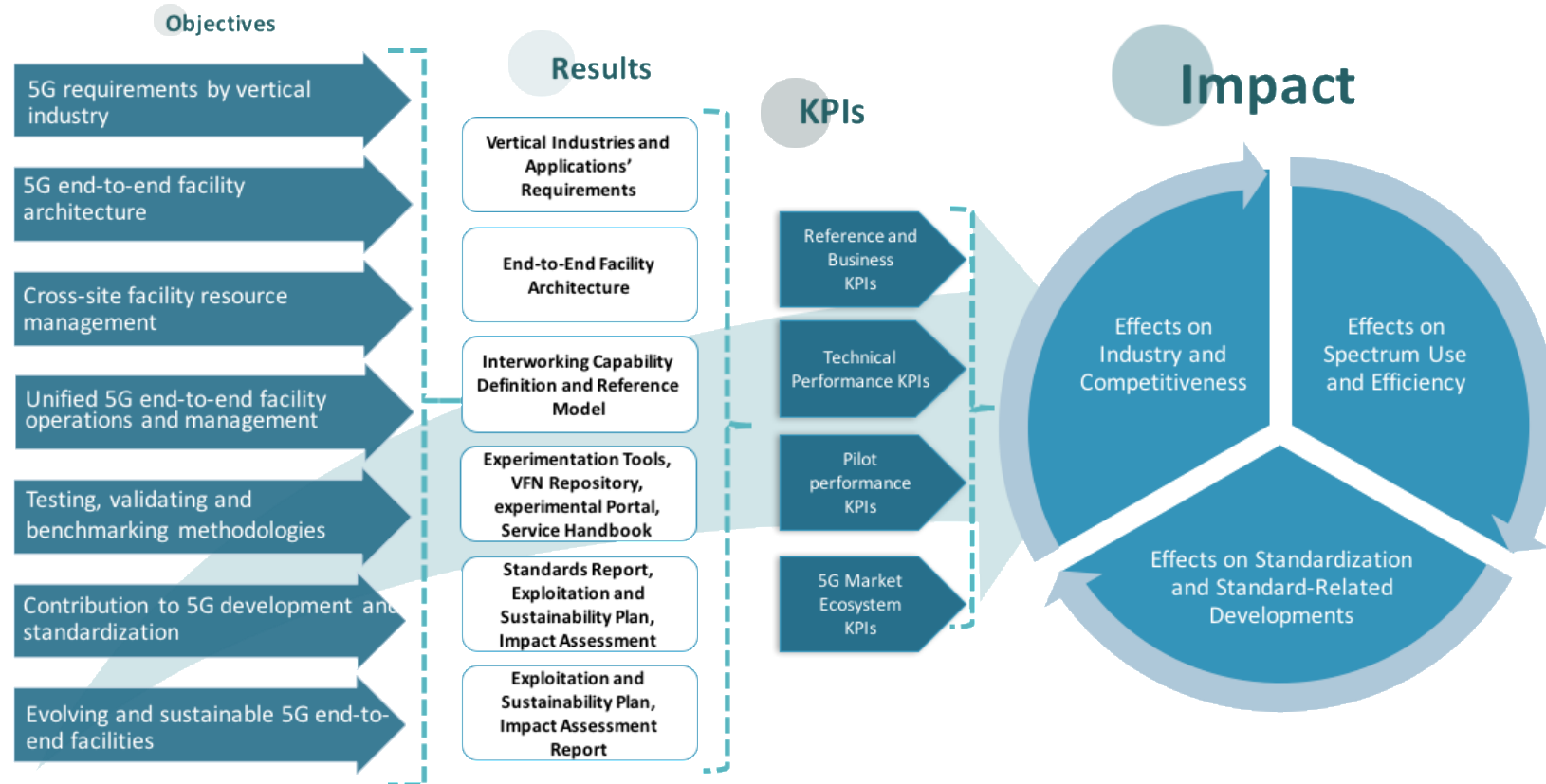
2. Deployment, Execution and Analysis of the Trials



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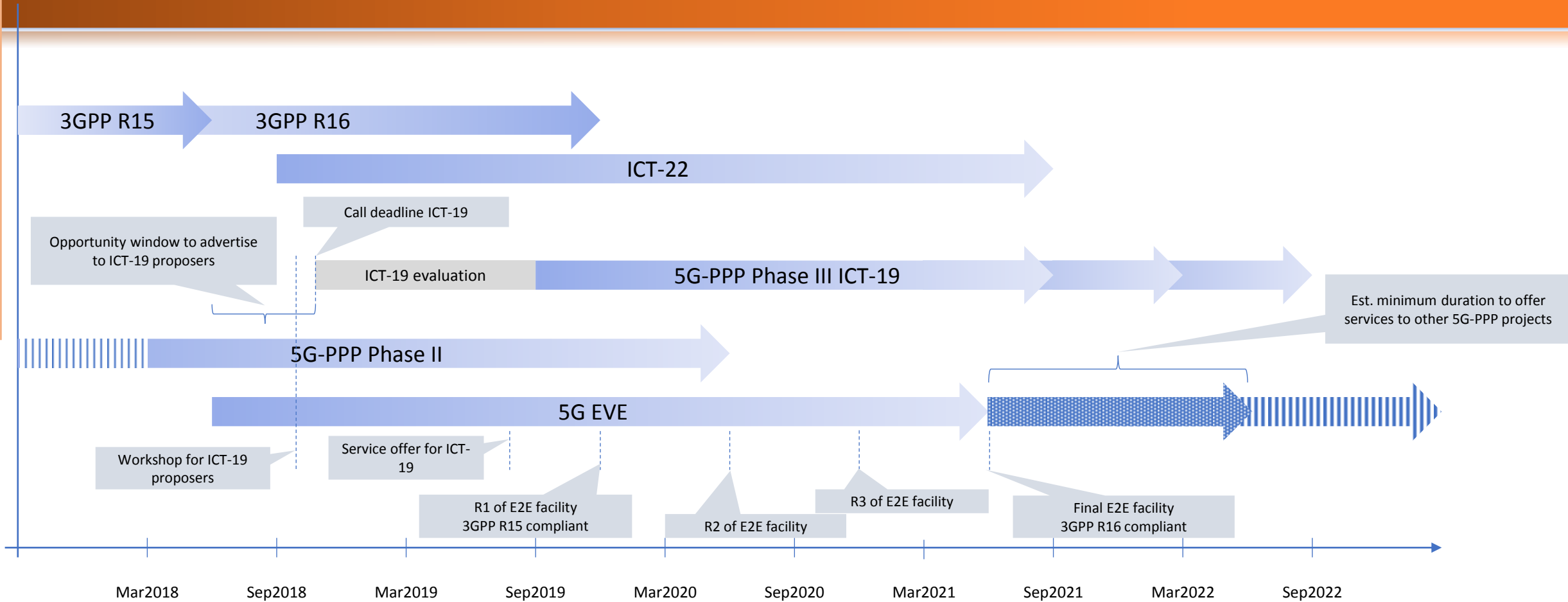
Impact on the market



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Time scale of 5G-EVE



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5G EVE

Thank you!

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