



WAS#10
Volte & 5G ROAMING
ROUNDTABLE

October 28, 2019 | Valencia, Spain





Volte and 5G – A TRANSITION BETWEEN GENERATIONS

Dhiraj Wazir, ROCCO Strategy

ABOUT ROCCO









VISION ETHICS BACKGROUND • To be a Team with Enterprises, MNOs ROCCO is 7 years old. Strong trusted Engagement with MNOs (500 per year) and with and Vendors. We are a team of 8, spread over Enterprises (200+ per year). Spain, UK, Italy, Hong Kong and the • To **Innovate and Inspire** the Industry USA. We are neutral. with Strategic Insights. We don't have sponsors for our • To help reach the truth about where research. we are and where we are going.

INTRODUCTION

ROCCO GROUP

ROCCO STRATEGY

ROCCO RESEARCH

ROCCO U

Strategic Consulting Audits Strategy Reports
Vendor Performance Reports
Market Analysis

Strategy Events
Training Programmes

Independent Research

Private, Bespoke Training Events

ROCCO™ 2019



END TO END PROCESS

Design the survey

- With the help of MNOs / Specialists
- Analyse the feedback on the previous survey



Promote it

- Include all the relevant vendors
- Find the right respondents
- Marketing

0.111



Validate the results

- Remove duplicates
- Responses from illegitimate sources



Announce the Results

- Publish the report
- Send an Executive Summary to all the respondents who took



Produce the Report

- See which vendors have the minimum 5 responses
- Calculate the tier one



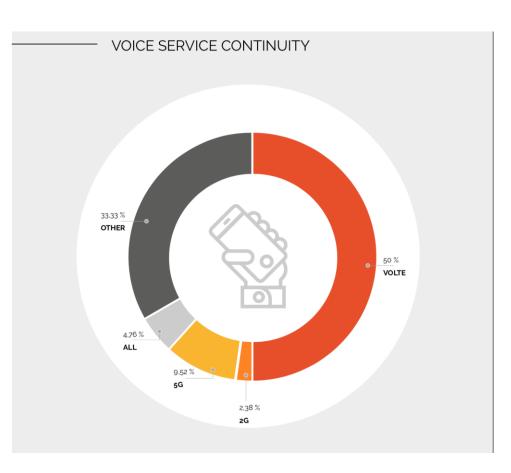
Analyse the data

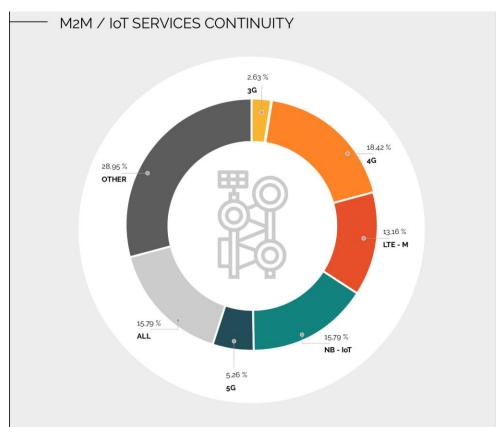
• See what important insights have been found



PLANS POST DECOMMISSIONING

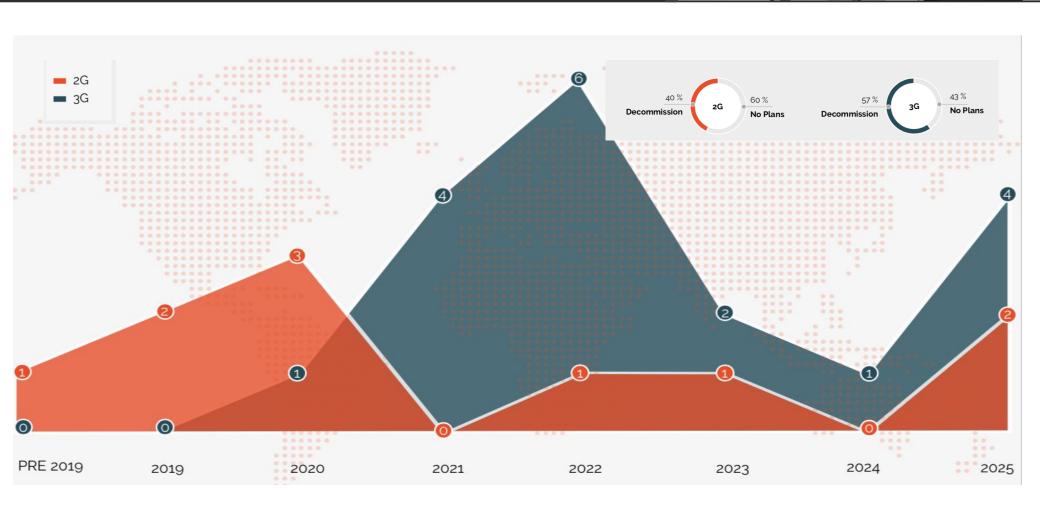






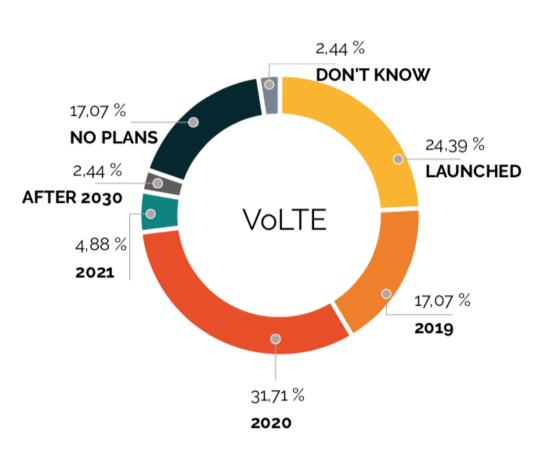
DECOM MISSIONINGANNOUNCEMENTS

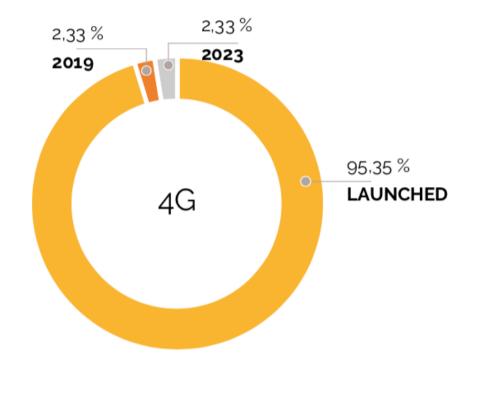




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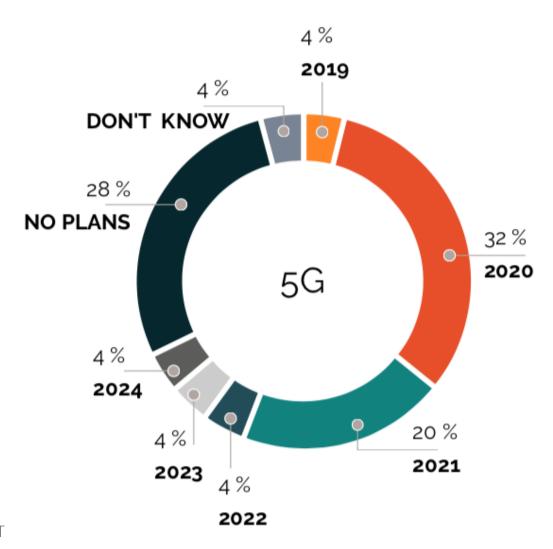






5 G R O A M IN G LA UN CHPLANS



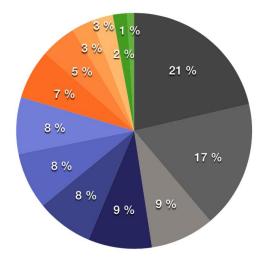


IPX SUR VE Y

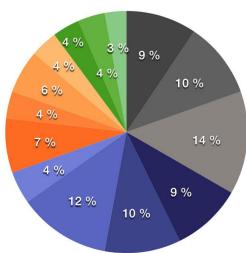




The top 3 requirements MNOs have for IPX Networks 2018



The top 3 requirements MNOs have for IPX Networks 2019



- Peering with other IPX relevant to your needs
- Network Coverage (number of IPX access POPs)
- Security of the IPX Network
- Quality of Service: #of Classes of service, SLA
- Intelligence about compatibility issues (with other Operators or IPX)
- Speed of Connection to New Roaming Partners (after initial set up)
- Readiness for VoLTE
- LTE Roaming service reach (on-net coverage and % of on-net vs off-net)
- Offering of Value Added Services (e.g. Roaming, IoT Ecosystem, Security, Fraud Management, Data Clearing)
- Diameter Signalling service reach (on-net coverage and % of on-net vs off- net)
- Support for Local/Regional Breakout and IPX Roaming Hub
- Connectivity Options (Single /dual access, MPLS, IPSec)
- Support for Local / Regional Breakout and IPX Roaming Hub
- Readiness for 5G

M N D F D C U S & C HA LLE N GE S W I T H I P X s



Question: What are your key businesses focuses for the coming year and how could IPX support them?

"VolTE Roaming" x 58 MNOs
"5G Roaming" x 21 MNOs
"LTE Roaming" x 14 MNOs

Question: What are the biggest challenges you have with IPX?

"Security" x 32 MNOs

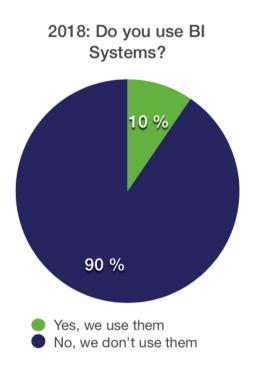
"Peering" x 19 MNOs

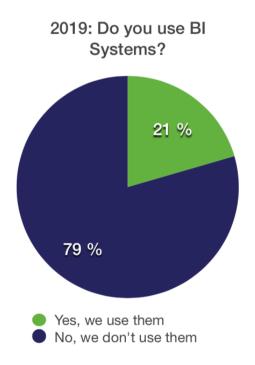
"Bandwidth" x 9 MNOs

"5G Readiness" x 7 MNOs

CHANGE IN THE USE OF BISYSTEMS









SHAPE THE FUTURE







