

*GSMA Services Showcase Live – Building Resilience into Network Equipment Security*

# Mobile Security Matters 2022

*Why security matters in mobile. What in mobile matters today?*

DATE

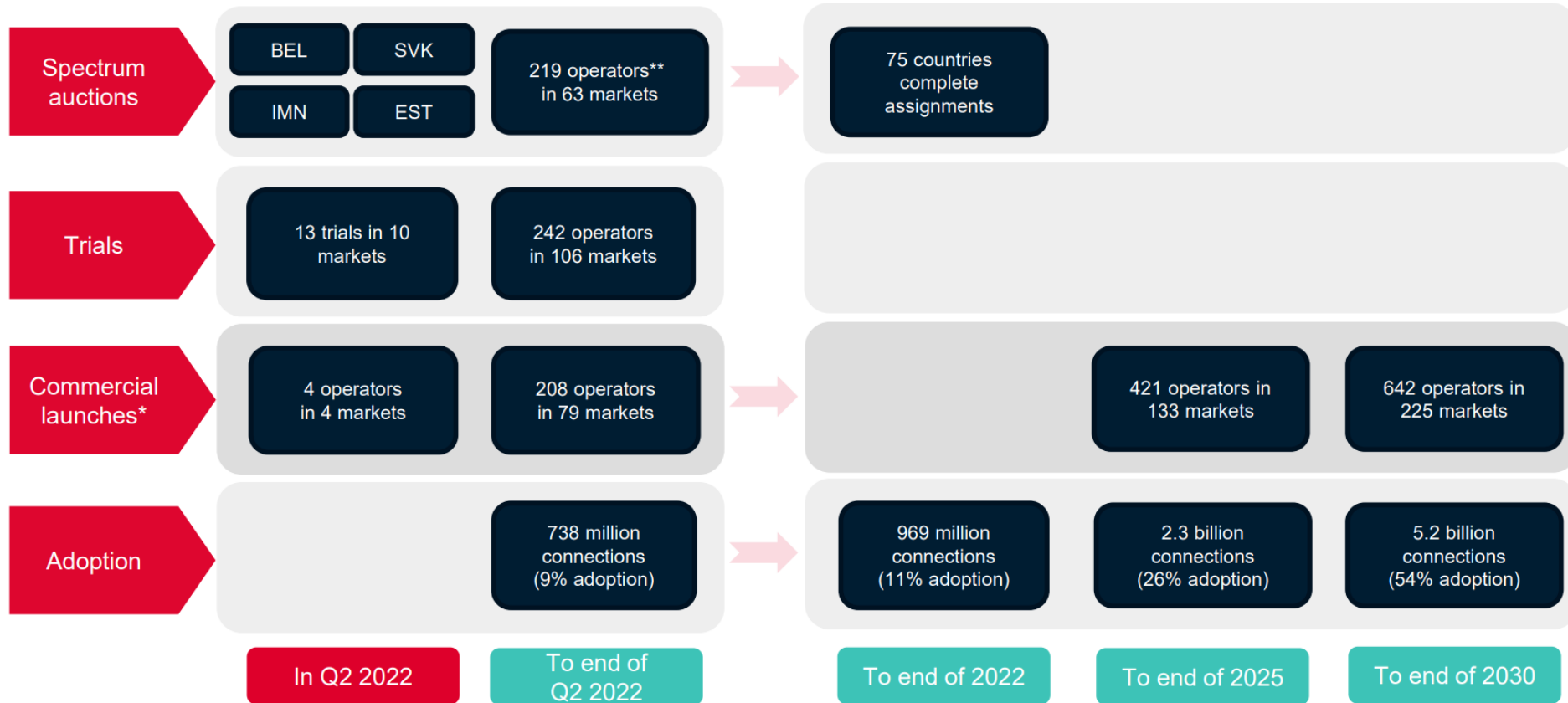
SEP 2022

AUTHOR

P. Jarich

# 5G in Context

We are now in the “maturing” phase of the 5G Era.



# Networks in the 5G Era

Making money bests saving money (you can't save your way to growth)

## Network Transformation Strategy Drivers

*What is the primary goal driving your network transformation strategy?*

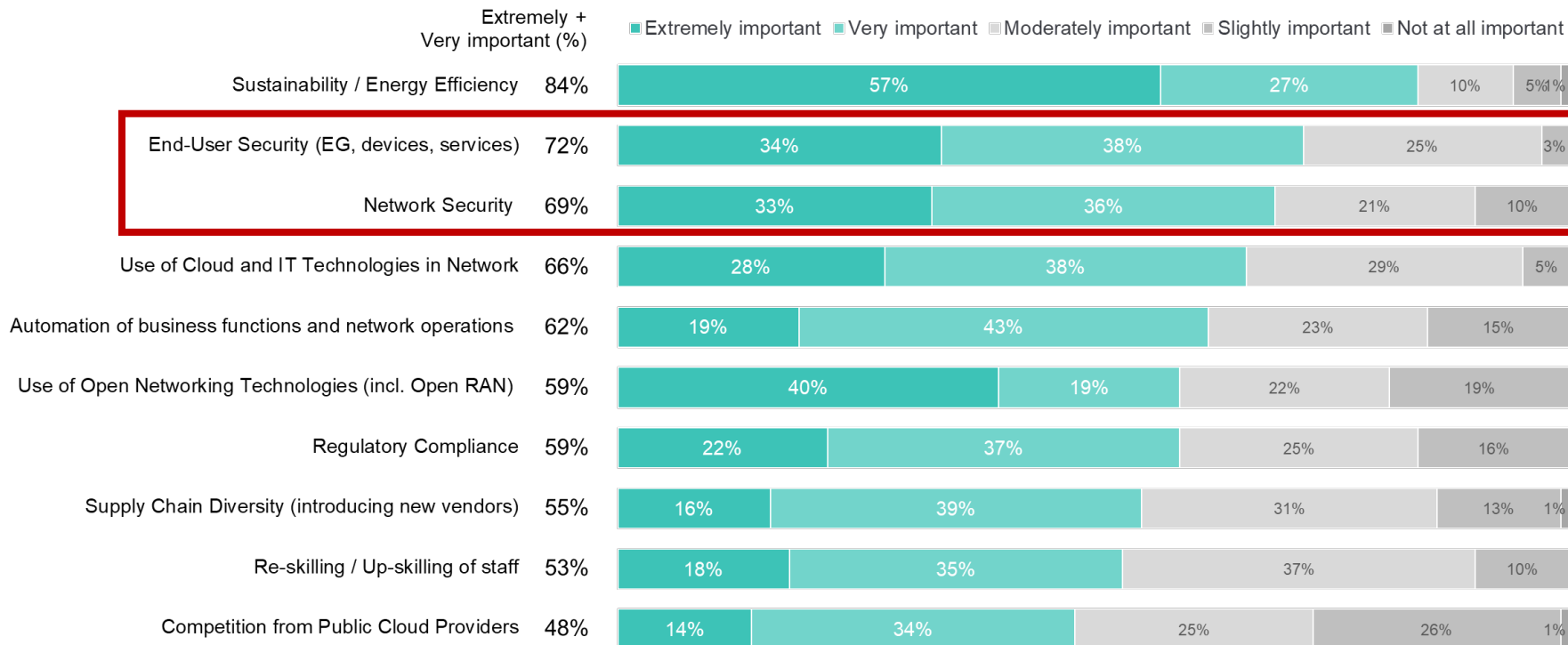


# Networks in the 5G Era

Security is a critical part of customer experience (and revenue generation)

## Network Transformation Priority Rankings

*How important are the following priorities as a part of your network transformation strategy? (sorted by 'Important total (%)')*



# 5G-Specific Decision Making

Is 5G considered an opportunity to re-think networks? There's no question!

## 5G, New Suppliers and Open Networking Technologies

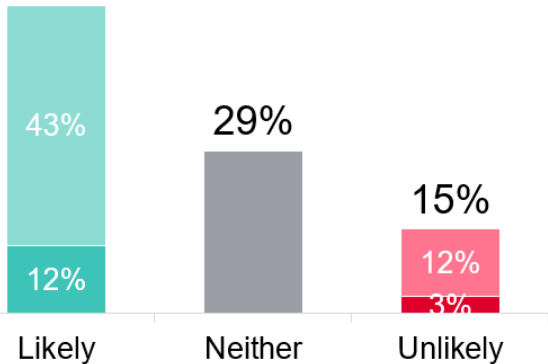
*How likely are you to leverage 5G as an opportunity to introduce new suppliers and/or Open Networking technologies into your network?*

### 5G to introduce new vendors:

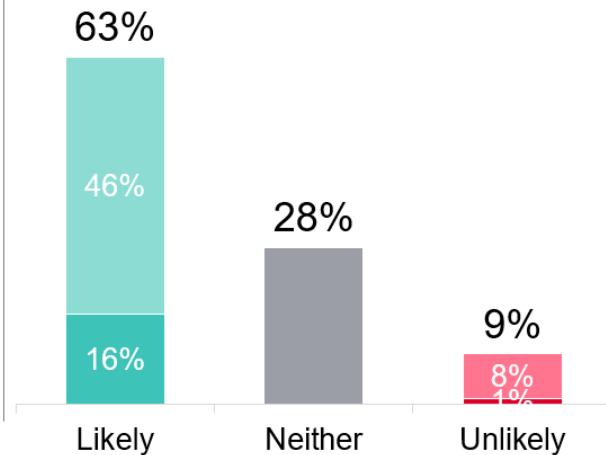
- Very likely
- Somewhat likely
- Very unlikely
- Somewhat unlikely



56%



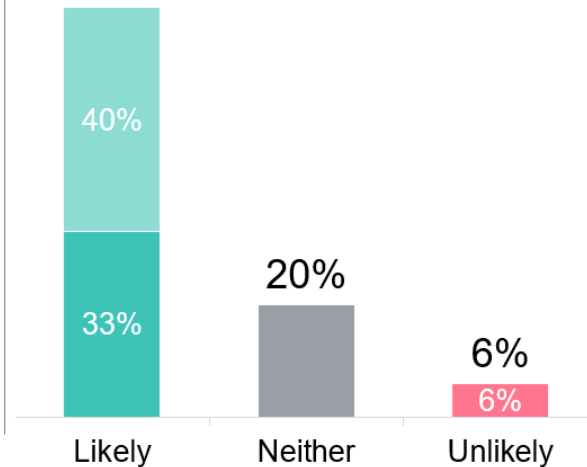
### Standalone 5G to introduce additional vendors:



### 5G to introduce open networking technologies (inc. Open RAN):

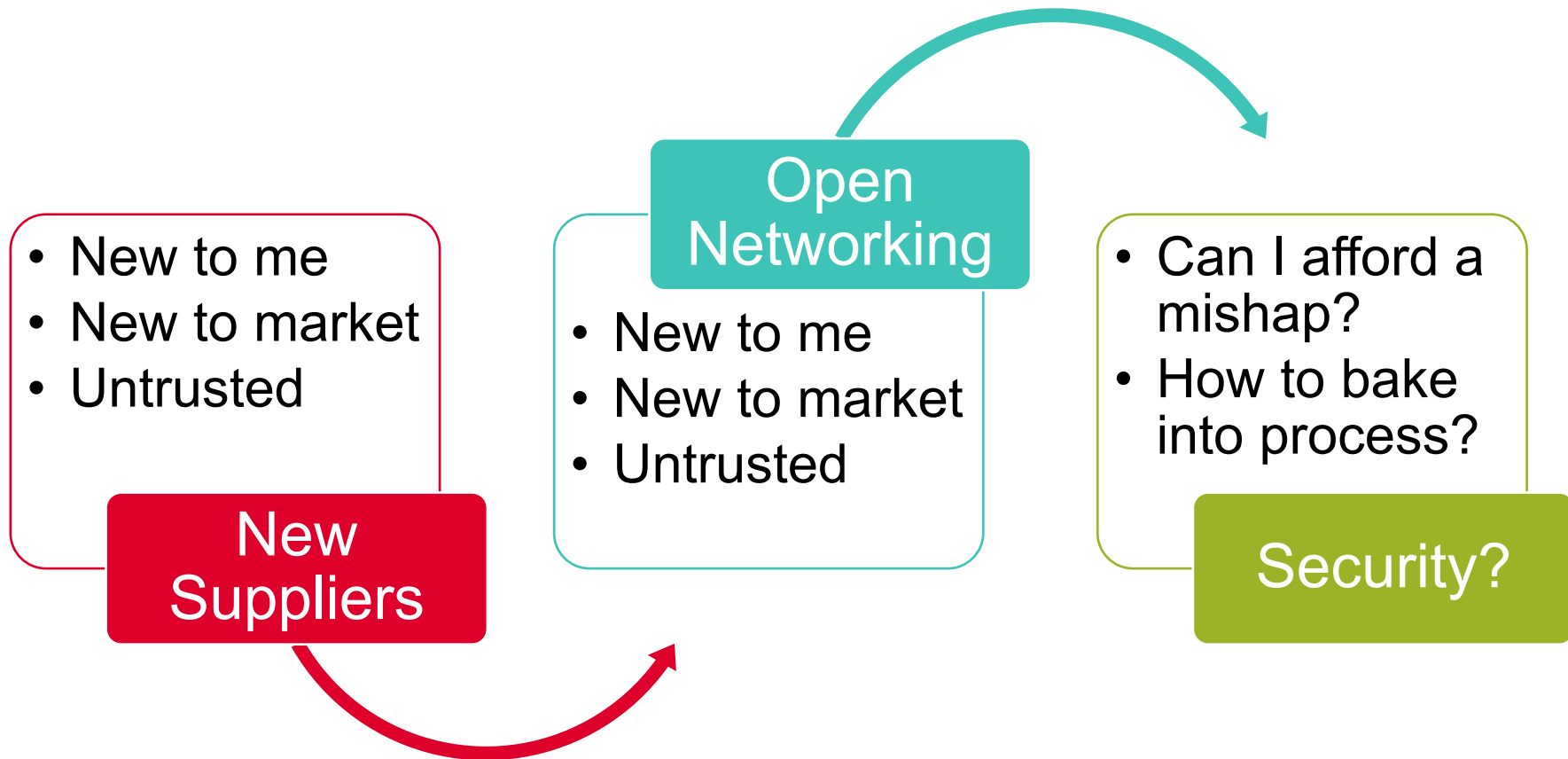


74%



# Connecting 5G with Network Security

How do supply chain diversity, “open” and security fit together?



# Connecting 5G with Network Security

Security is a barrier to new supplier intro...but not high on list.

## New Supplier Introduction: Key Obstacles

*What are the primary obstacles, at this moment in time, to introducing new vendors into your network?*

### OTHER OPTIONS

- Culture Bias
- Limited Insights into Suppliers
- Network Integration
- Limited RoI Expected
- Admin Involved
- Regulation

Network security concerns

57%

51%

48%

48%

38%

36%

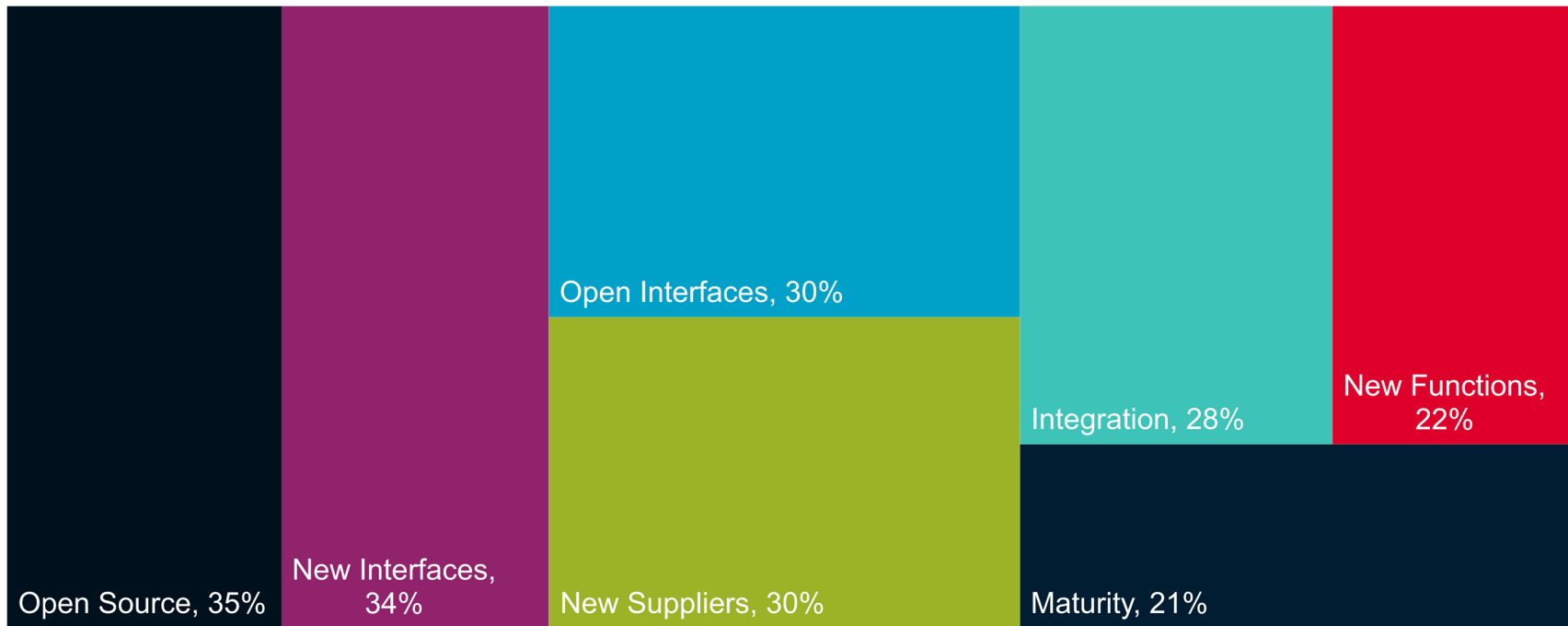
20%

# Connecting 5G with Network Security

Open RAN is all about interfaces. Interfaces are THE security concern.

## Open RAN: Security Concerns

*When deploying or evaluating Open RAN solutions, what are your top security concerns?*





## Wrapping It Up

Going forward, how do operators think about security? How should they?

### Security is Strategic

- tops for strategic priorities
- end-user AND network security
- plays into opex, but also user experience

### 5G Drives New Thinking...

- renewed drive for supplier diversity
- renewed drive for open networks
- it's only going to accelerate with SA and 5G-Advanced

### ...Reinforcing Security Focus

- new suppliers being security concerns
- as does “Open”
- not to mention 5G evolving into critical infra

**5G brings new network capabilities and thinking.  
Network security needs to be part of it.**




**Serves**  
**800**  
organisations




**40,000**  
users worldwide


**Data**




**1,400**  
Mobile operators



**80**  
Operators groups




**5,000**  
Networks




**30M**  
Data points updated daily


**Research**



**130+**  
Reports annually



**1M**  
Report downloads in 2019



**100+**  
Global, Regional & Topical Research, Deep Dives & Analysis



**Pinpoint accuracy**

Five-year forecast consistently accurate within +/- 2.5% of reported data, updated quarterly




**50+ Analysts & industry experts**

Supporting the business strategy of our subscribers and the wider ecosystem


Search Data

Mobile


- By Operator
- By Market
- By MVNO
- Operator List
- Network List
- MVNO List




CUSTOM SEARCH




NETWORK LIST



RESEARCH





**Intelligence**

**The 5G FWA opportunity**  
A TCO model for a 5G mmWave FWA network

**GSMA Intelligence**

**Analysing the behaviour of early 5G users: 10 things to know when planning consumer 5G strategies**

December 2021


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**GSMA Intelligence**


**IoT market update: assessing disruption and opportunities, forecasting connections to 2030**

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CUSTOM SEARCH




NETWORK LIST



RESEARCH





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# THANKS!

Peter Jarich

Head of GSMA Intelligence

[pjarich@gsma.com](mailto:pjarich@gsma.com)