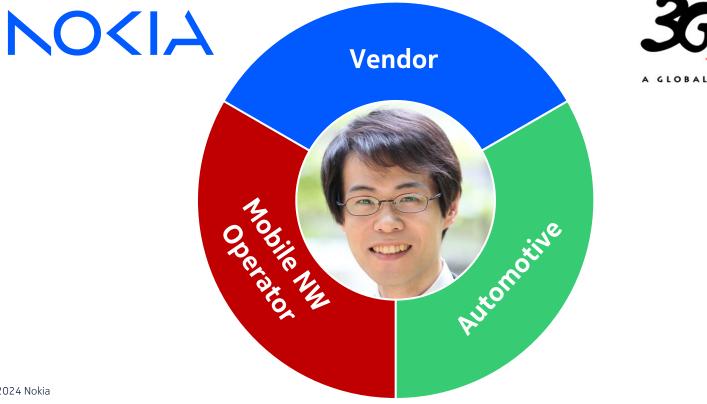
#### VO<14

#### Shaping V2X future From vision to action

Hideaki Takahashi Nokia Standardization and Industry Engagements in APAC region 14<sup>th</sup> March 2024 @ FNC-24



Biography On Mobile Telecommunication Standardization





A GLOBAL INITIATIVE



## Standards Envisioned

2017: LTE C-V2X standardized 2020: 5G C-V2X standardized ~2023: Evolution continued

# What can be seen a seen a see seen a seen a see seen a seen

What Expert Group should do? Expectation on key results

### Feasible

Deployed

#### Success

Output results in Feasible and Implementable solution

Make sure market Ma roll out in around 2032

Make automated driving via mobile communications happening

**NO<IA** 

# Standardization creates value only if deployed in the market and solving issues in the real world





**VOVIA** 

#### **3GPP confirms 6G will come with Rel-21** Nokia's view: Commercialization will start Q4 2029

1	2	3	4	5
3GPP TSG joint plan December 2023	3GPP 6G workshop March 2025	Rel-21 work item starts March 2027	First 3GPP 6G specifications December 2028	6G commercial launch Q4 2029
Reached agreement on 6G timeline	6G requirements and targets	Key architecture and physical layer decisions	Specs content frozen	6G Day One

