



LFN Developer & Testing Forum

EUAG Newly Updates- Voices from Cross-Community End Users

Lei Huang, China Mobile

Beth Cohen, Verizon

Lingli Deng, China Mobile

Massimo Banzi, TIM

Jim Baker, LFN

Agenda and Background

- **EUAG Purpose in LFN Community**
 - Output CSPs requirements to LFN projects through priorities and surveys
 - Focus on Telecom Operators
 - Publish white papers from CSPs perspective
 - NFV Testing and Automation
 - AI/ML Technology
 - 5G Adoption
- **Recent Focus- Intelligent Network and AI Survey**
 - **Survey Results Review and Discussion – 30 minutes**
 - **AI/ML Testing Requirements – 30 minutes (EUAG-CVC joint session)**
- **EUAG Newly Updates Summary and Next Step Plan– 60 minutes**



LFN Developer & Testing Forum

Intelligent Network and AI Survey of Telecom Operator, Vendor and AI communities- Overview and Next Steps

Beth Cohen, Verizon
Lingli Deng, China Mobile
Lei Huang, China Mobile
Massimo Banzi, TIM
Jim Baker, LFN

Introduction of EUAG Intelligent Network and AI Survey

- **Participants** : LFN whole community
- **Responses**: 65 participants, 40 complete responses
- **Motivation**: Investigate the current needs and application status of network automation and intelligence in the industry, study and judge development trends, refine common needs, and discuss in depth how to use open industrial cooperation models to consolidate industry consensus, unify technical routes, research and development reference realization, formulate industry standards, promote the network from automation to intelligence.
- **Covered organizations**:
 - Operators, vendors, integrators, IT companies, open communities, universities, etc.
 - Survey result data could basically represent the requirement of AI industry.

Survey Skeleton

Background

- Business type
- Location
- Profit scale

Application Scenarios

- Application scenarios and priorities
- General platform capability requirements

Develop/Adoption Strategy

- Application introduction strategy
- Application development strategy
- Application collaboration strategy

Application Effect

- Application Develop/Adoption Status
- Platform Develop/Adoption Status
- Network OAM Improvement

Challenges

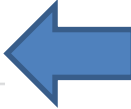
- Difficulties in intelligent network promotion and system upgrade
- Requirements, objects and contents of intelligent network application certification service

Ecology Strategy

- SDO participation and focal points
- OSS participation and focal points
- Certification related focal points

What is your organization's primary line of business?

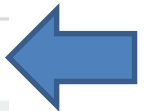
- Answered: 64 Skipped: 1

Global Telecommunications Carrier	39.06%	25	
Regional Telecommunications Carrier	4.69%	3	
Wireline/Broadband Operator	6.25%	4	
Mobile/Wireless Operator	18.75%	12	
Public Cloud Service Provider	7.81%	5	
Telecom Vendor/Manufacturer (Hardware, software, peripherals)	35.94%	23	
Digital services provider (IoT, smart cities, AI/ML, etc.)	21.88%	14	
AI/ML Vendor (software, services)	12.50%	8	
System Integrator, consulting, testing services	20.31%	13	
Enterprise	6.25%	4	
Other (please specify)	6.25%	4	

What is your company's average annual revenue?

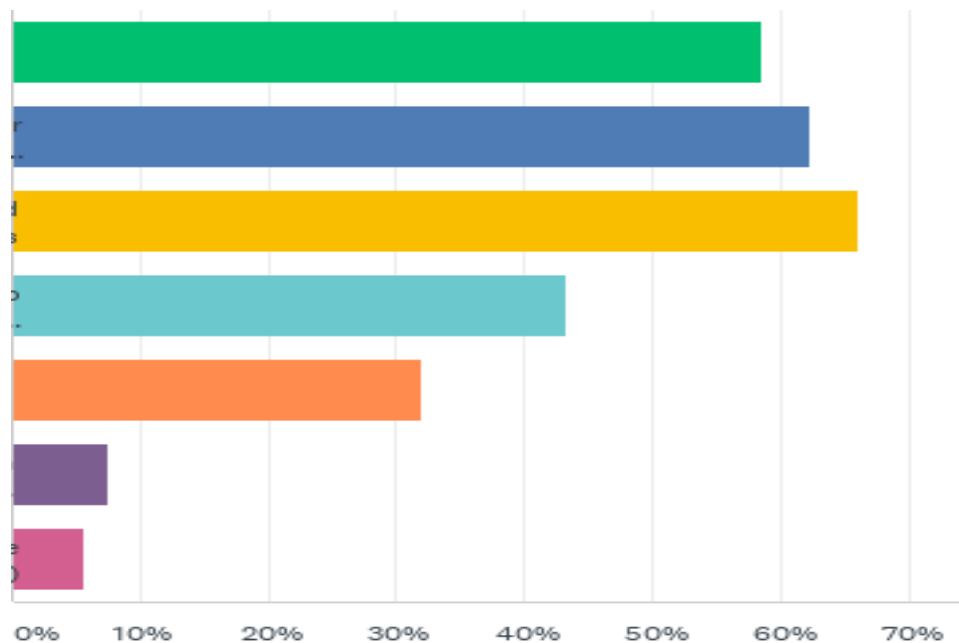
- Answered: 64 Skipped: 1

ANSWER CHOICES	RESPONSES	
Less than 100 million	14.06%	9
100 million to 500 million	10.94%	7
500 million to 1 billion	6.25%	4
1 billion to 5 billion	7.81%	5
More than 5 billion	60.94%	39
TOTAL		64



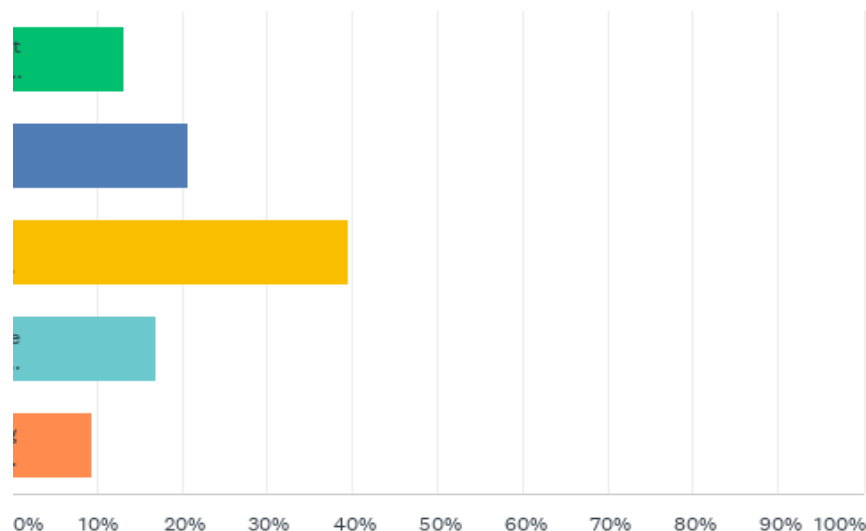
Top business drivers for adding intelligent networking

- Lower TCC
- Improved Infrastructure
- Simplified Operations
- New technology
- Demand from customers
- Other



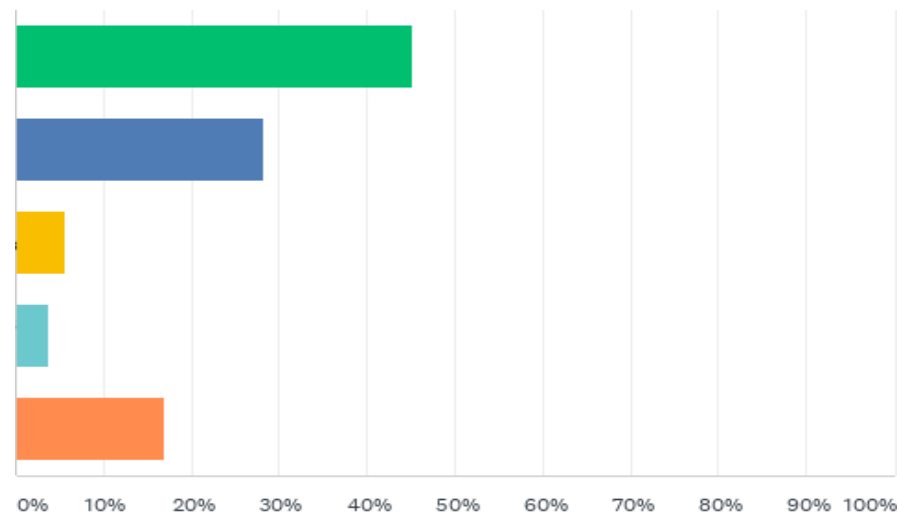
Where are we on the journey?

- Have not started
- In the POC Phase
- Some AI today
- Extensively deployed
- Long term plans to scale



Timeline

- 0-12 months
- 12-24 months
- 24-36 months
- More than 36 months
- Unknown



How can the EUAG help?

- What areas of AI/ML should EUAG concentrate on?
- What resources are best to help you develop the technology in your company?
- Next Step Plan-
 - We will have more in-depth investigation in AI/ML survey
 - Investigate how to better leverage AI/ML application and platform requirements in different open source communities or SDOs

- For more information about EUAG Networking AI/ML Survey and further discussion, please contact:

denglingli@chinamobile.com

beth.cohen@verizon.com

huangleiyjy@chinamobile.com

Thank You



LFN Developer & Testing Forum

Testing and Certification Requirements from EUAG Intelligent Network and AI Survey

**Yan Yang, China Mobile
Lincoln Lavoie**

Testing and Certification Requirements from EUAG Intelligent Network and AI Survey

- This session will analysis and explore the testing and certification requirements from EUAG Intelligent Network and AI Survey, and have an initial discussion within CVC/OVP, such as how to support the development of OVP badges for intelligent networking, how to drive the work , the concrete plan, etc.



LFN Developer & Testing Forum

EUAG Newly Updates - Summary and Next Step Plan

Lei Huang, China Mobile
Jim Baker, LFN

- CSPs top priorities and requirements
 - CSPs priorities
 - Surveys
- EUAG white papers
 - NFV Testing and Automation White Paper- from CSPs perspective
 - 5G Adoption White Paper
 - Intelligent network and AI White Paper

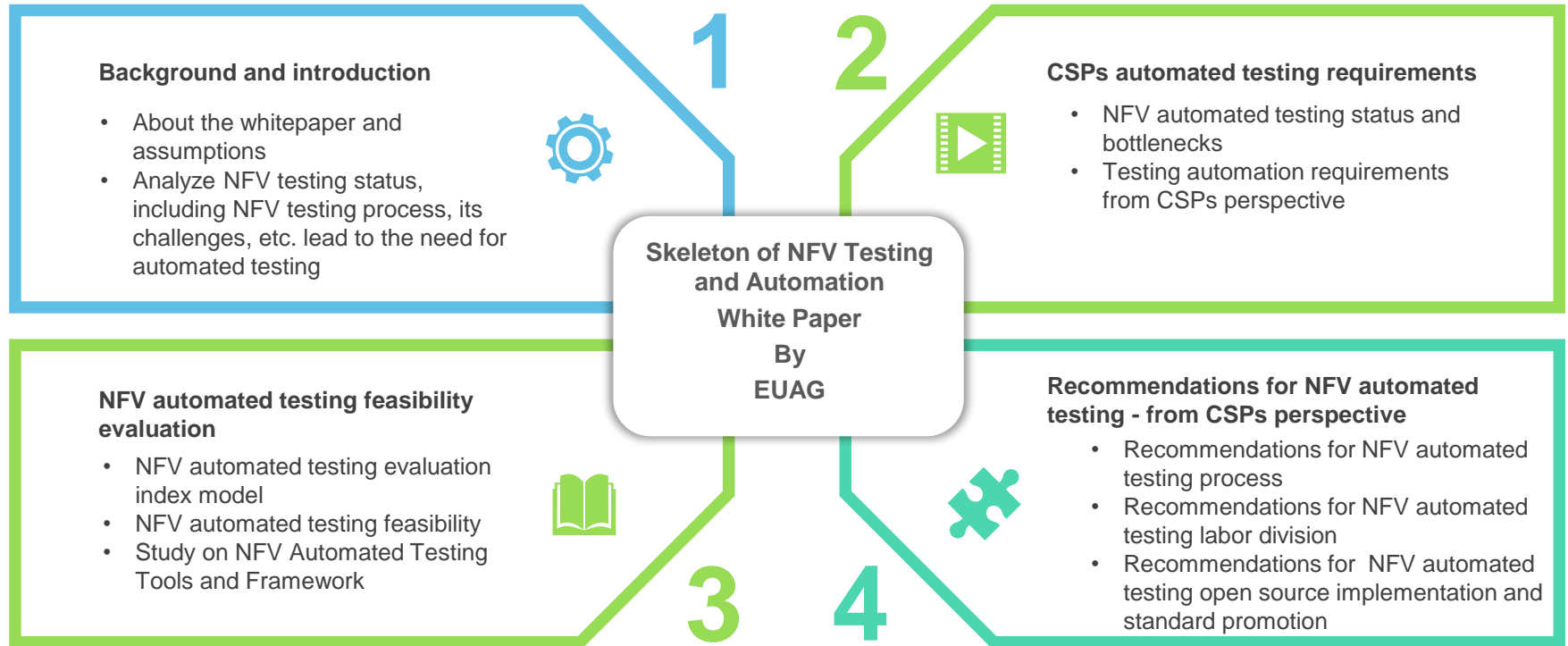
Requirements from CSPs, What Do The End Users See Important?

- Top priorities for individual service providers
- Curated & Ratified EUAG Survey Requirements
 - Intelligent Network and AI for CSPs
 - SDN Adoption Survey
- Program Specific Requirements
 - CNTT
 - Others

- **NFV Testing and Automation White Paper**
 - **White Paper Assumptions and Overall Objective:**
 - 7-10 Pages in length – possibly will be some separate related papers on specific use cases and other information that does not fit into this one
 - Do not declare or propose a definite solution just share EUAG Operator community point of view
 - Purpose of White Paper is to share information about EUAG member companies' approaches to testing and automation

NFV Testing and Automation White Paper

- **What will be in the white paper- Skeleton**



NFV Testing and Automation White Paper

- **Timeline**

Timeline	Key Milestone
Complete the paper final draft	Feb 19th 2021
EUAG review and final version	Feb 28th 2021
Share a form paper with Brandon for MAC magic	March 5th 2021
Publication (we will have webinars for testing white paper in schedule)	March 26th 2021

NFV Testing and Automation White Paper

- For more information about NFV Testing and Automation White Paper, please contact:

huangleiyjy@chinamobile.com

Thank You



OLF NETWORKING

LFN Developer & Testing Forum