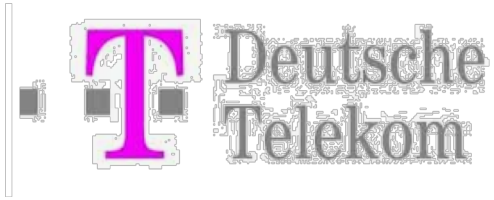
CREATING A COMMON TELCO NFVi

Open Networking Summit

San Jose, CA

April 3, 2019

COMMON NFVi TELCO TASK FORCE



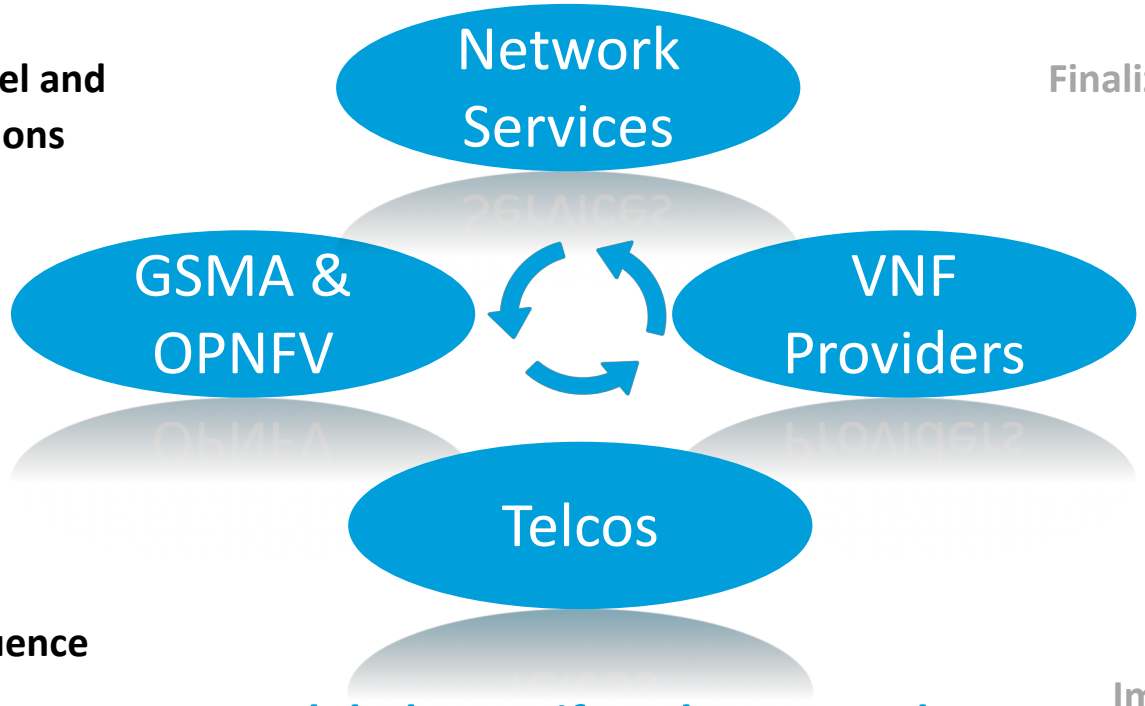
Accelerate VNF Operationalization

Current State

No Telco defined reference model and architectures for VNFs certifications

No place to test VNFs on reference architectures with *prescribed* entrance and exit criteria

No process for Telcos to influence continuous improvement



A Global VNF Lifecycle Approach

Opportunity

Finalize GSMA reference model and finite number of architectures

Implement GSMA reference architectures within OPNFV

OPNFV certification enhanced with Telco provided entrance and exit criteria

Implement continuous improvement process for GSMA, OPNFV, VNF suppliers and telcos

Benefits

Reduced time and cost to operationalize VNFs

Ability to anticipate VNF technical requirements beforehand

Telco-driven continuous improvement and innovation loop

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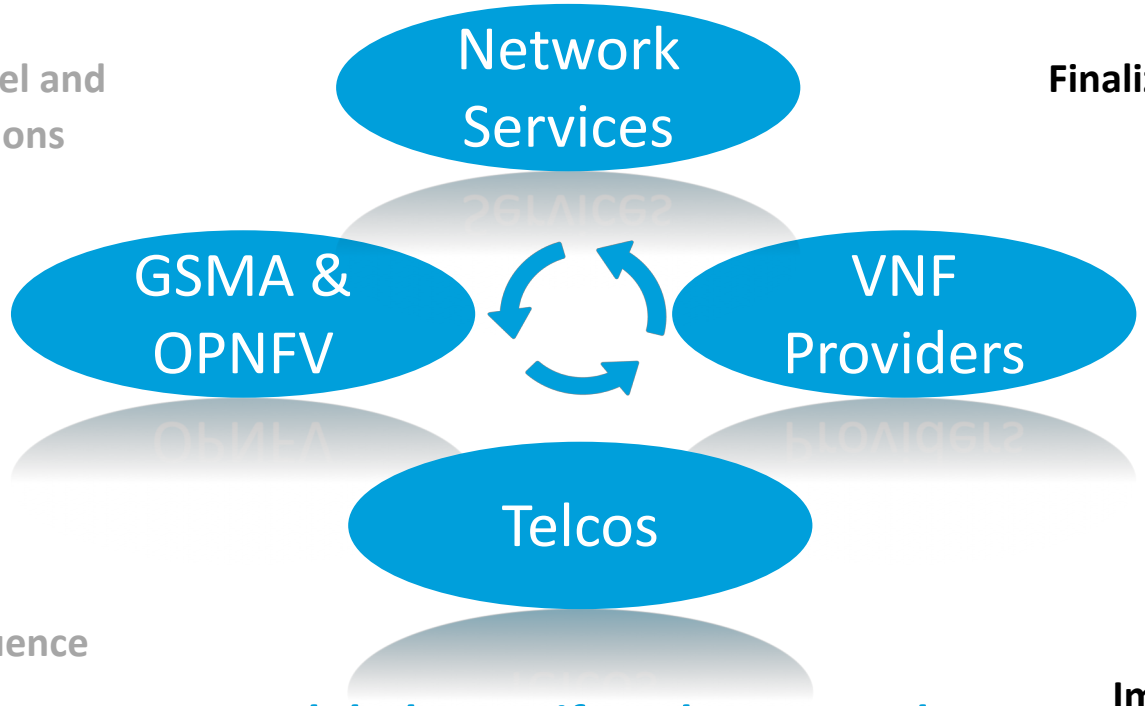

A Global VNF Lifecycle Approach

Opportunity

Finalize GSMA reference model and finite number of architectures

Implement GSMA reference architectures within OPNFV

OPNFV certification enhanced with Telco provided entrance and exit criteria

Implement continuous improvement process for GSMA, OPNFV, VNF suppliers and telcos

Benefits

Reduced time and cost to operationalize VNFs

Ability to anticipate VNF technical requirements beforehand

Telco-driven continuous improvement and innovation loop

Accelerate VNF Operationalization

Current State

No Telco defined reference model and architectures for VNFs certifications

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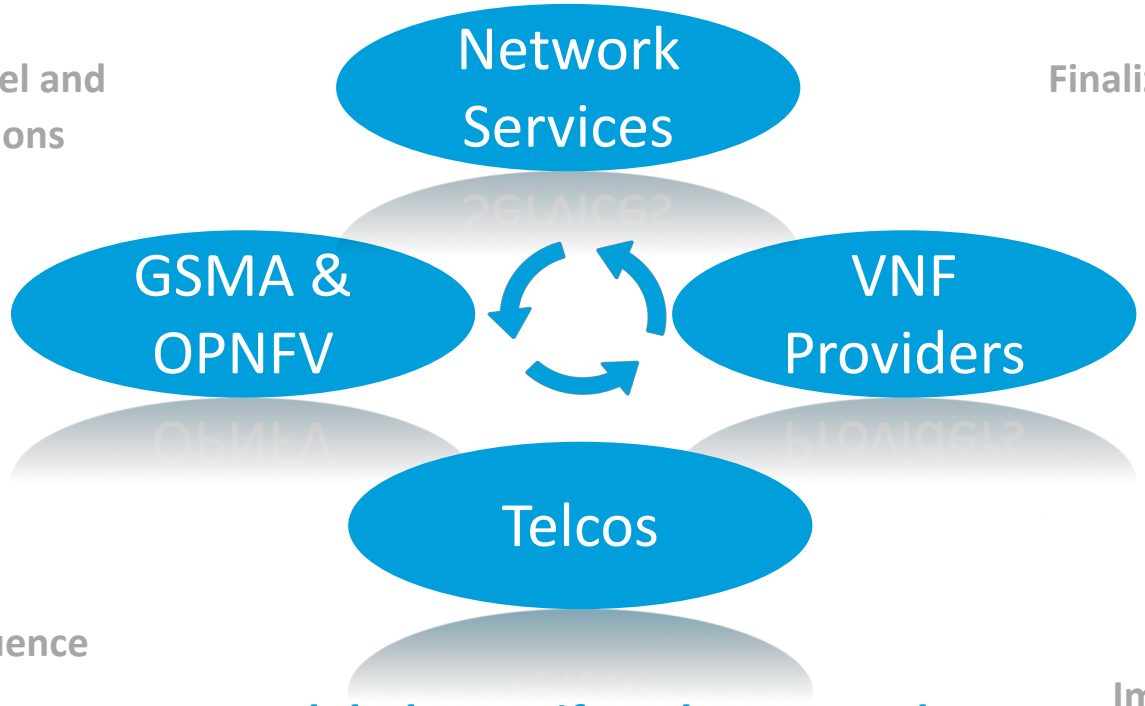


A Global VNF Lifecycle Approach

Opportunity

Finalize GSMA reference model and finite number of architectures

Implement GSMA reference architectures within OPNFV

OPNFV certification enhanced with Telco provided entrance and exit criteria

Implement continuous improvement process for GSMA, OPNFV, VNF suppliers and Telcos

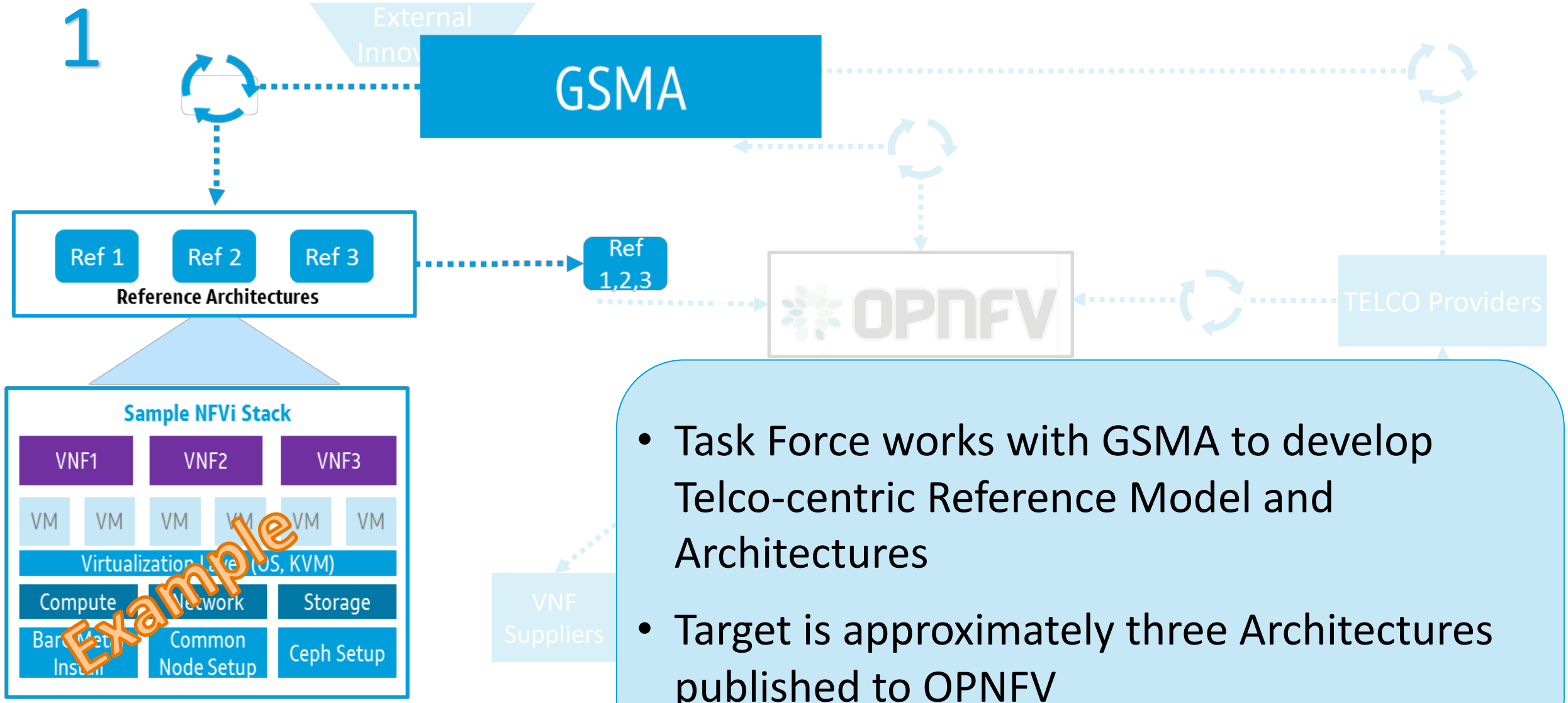
Benefits

Reduced time and cost to operationalize VNFs

Ability to anticipate VNF technical requirements beforehand

Telco-driven continuous improvement and innovation loop

Global VNF Certification Lifecycle Framework



- Task Force works with GSMA to develop Telco-centric Reference Model and Architectures
- Target is approximately three Architectures published to OPNFV

Black – Existing
Blue – New

Global VNF Certification Lifecycle Framework

1

External Innovation

GSMA

3

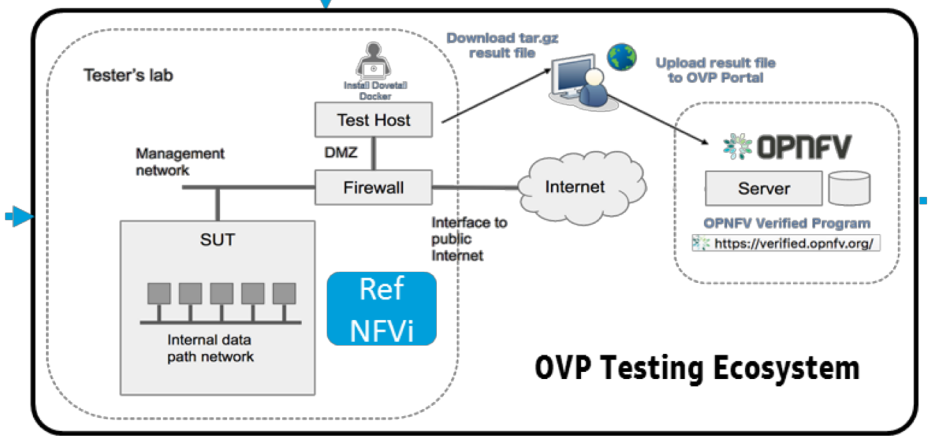
- OPNFV publishes Reference Architectures to VNF suppliers
- OPNFV incorporates Task Force agreed upon test cases
- Suppliers create VNFs and get them certified through OVP

Ref 1,2,3

OPNFV

TELCO Providers

VNF Suppliers

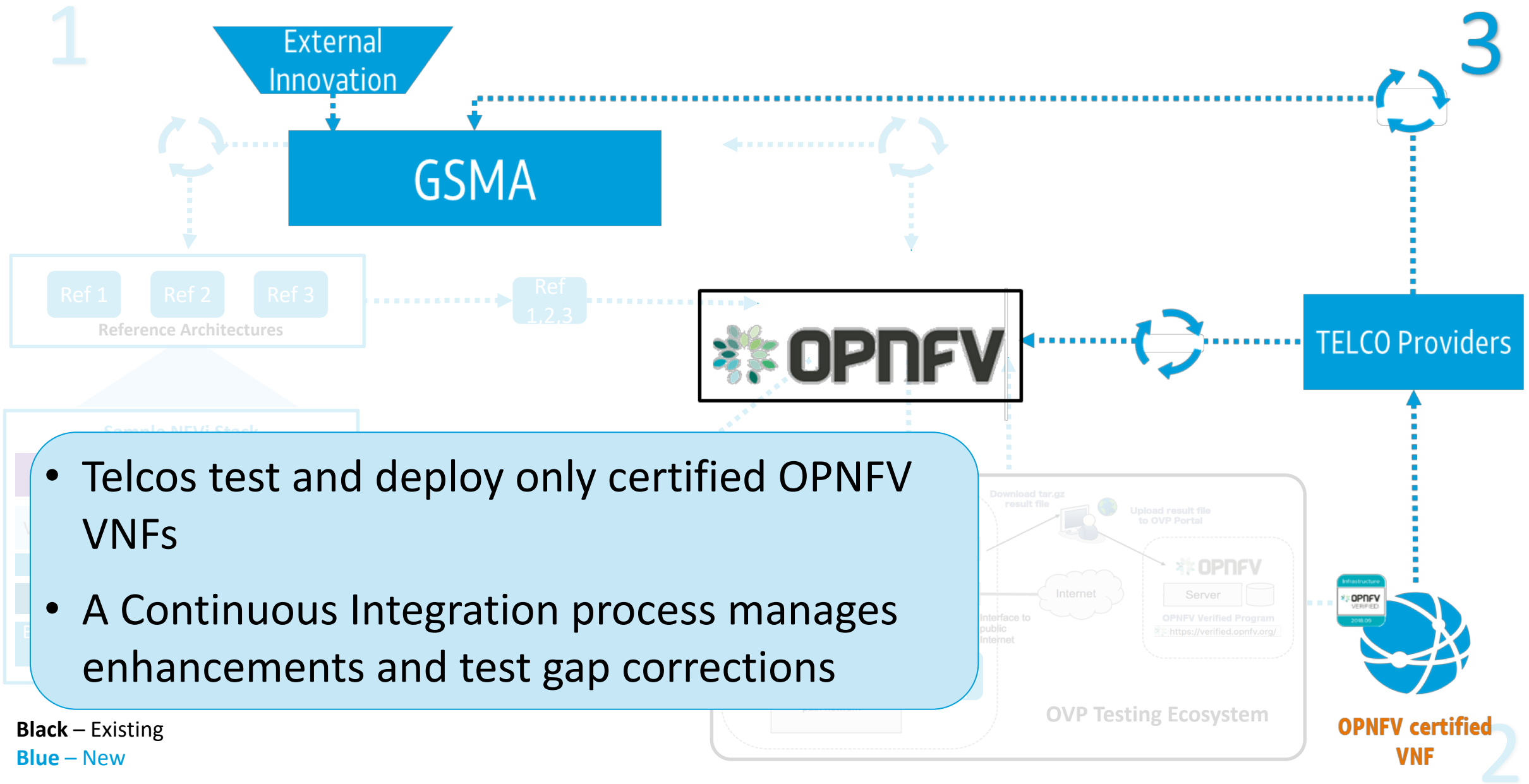


OPNFV certified VNF

Black – Existing
Blue – New

2

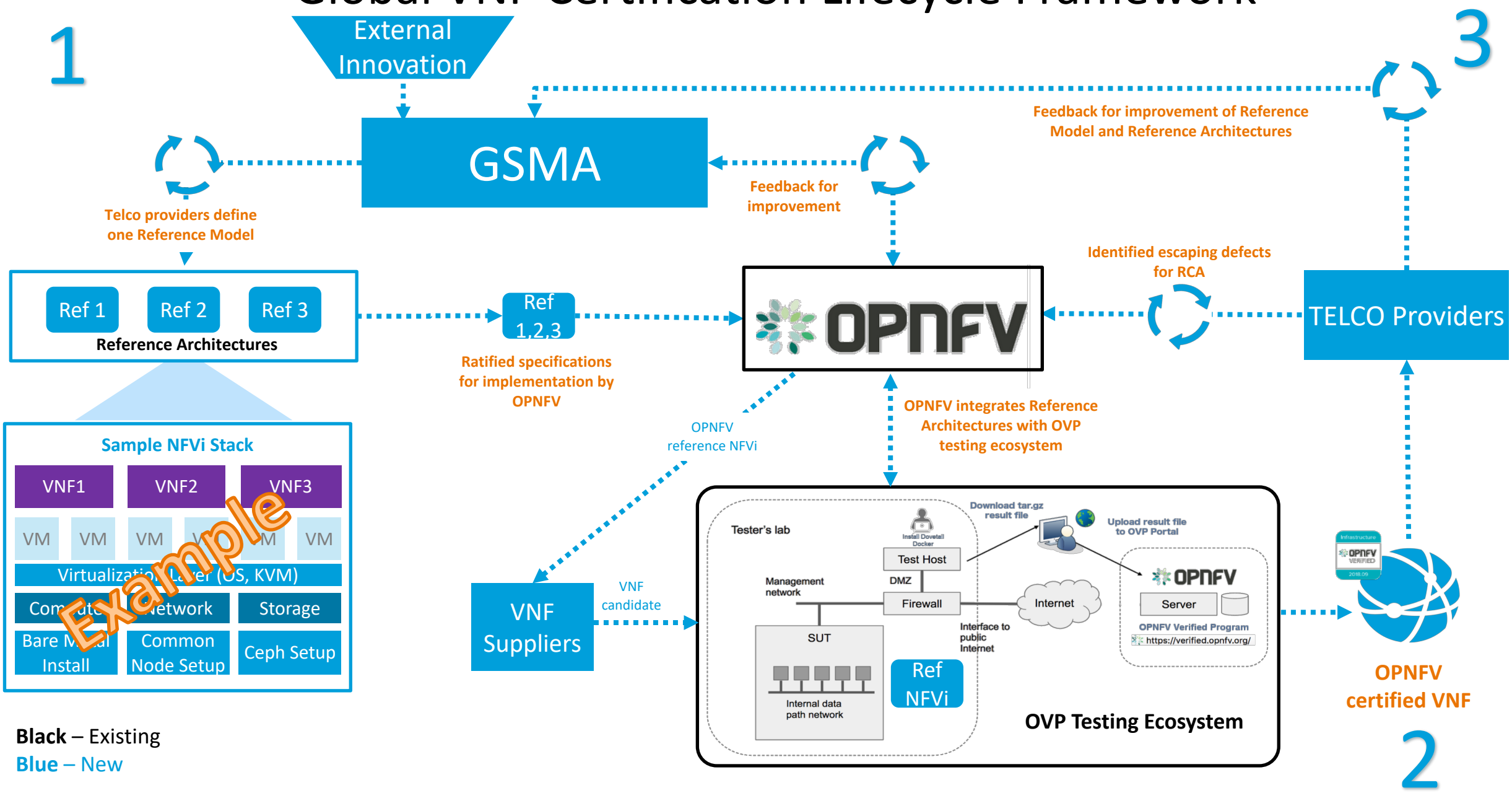
Global VNF Certification Lifecycle Framework



- Telcos test and deploy only certified OPNFV VNFs
- A Continuous Integration process manages enhancements and test gap corrections

Black – Existing
Blue – New

Global VNF Certification Lifecycle Framework



Black – Existing
Blue – New

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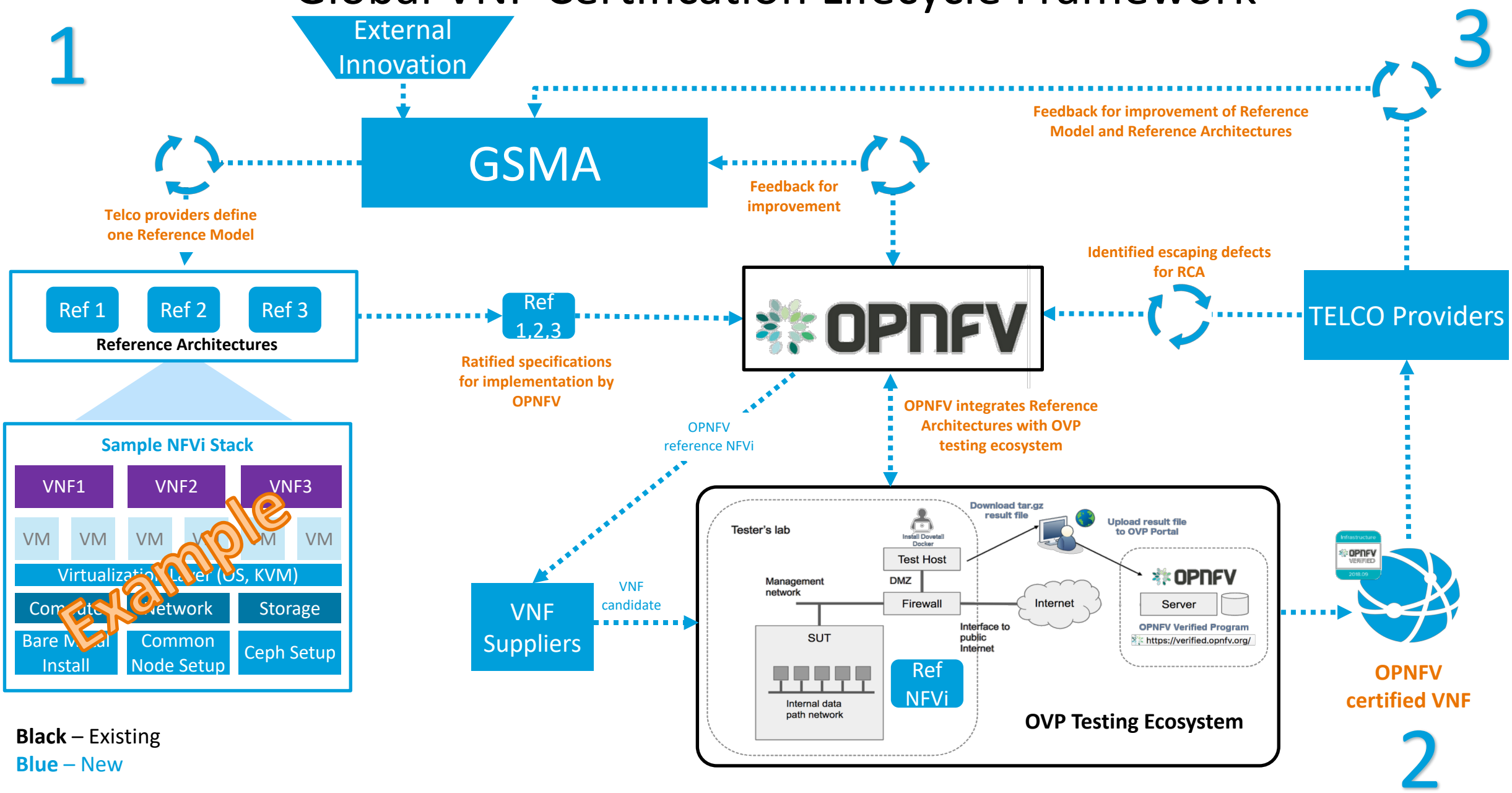
Global VNF Certification Lifecycle Framework



Black – Existing

Blue – New

Creating a Common Telco NFVi will…

1. Build on the work started in OPNFV and GSMA
2. Create a NFV lifecycle framework
3. Increase the Speed of Innovation
4. Accelerate VNF Operationalization
5. Lower VNF Cost

THANK YOU

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