Open Network Automation Platform initiative

Open, Innovation, Collaboration

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China Mobile
World’s leading 4G Network

Bigger Network
1.5 M+ 4G BSs
Account for over 1/3 of global 4G BSs

More Subscribers
0.53 B Subscribers
Account for over 30% of global LTE users

More Device Choices
2600+ commercial devices
75% are 4G devices less than USD 145

Better User Experience
313 cities commercially launched VoLTE
NovoNet – Our Vision of Future Network

**New Network Architecture**
- Virtualized Network Function
- Centralized Control
- Programmable Network

**New Network Operation**
- Auto Deployment
- Flexible Orchestration
- Maximal Usage

**New Network Service**
- More Open
- More Agile
- On-demand

Enabler Technology:
- NFV
- SDN

New DC → Orchestrator → New Network
NovoNet Architecture

- Replacing past Central Offices with new cloudified DataCenter -TIC
- Separating C/U plane, centralized control unit in core TICs, off-loading data traffic at edge of network
- Building up powerful controller to achieve intelligent routing and automatic configuration
New Network Operation and Service delivery

New network operation call for a new operation support system.

A new Orchestrationator could be the core of next generation OSS.
From OPEN-O to ONAP

OPEN-O: our first step to open source orchestrator.

ONAP: under the coordination of Linux Foundation, China Mobile, AT&T, and other partners co-founded ONAP as a unified open source project.

We believe ONAP will have a greater influence on the industry development.
Key features of Open Network Automation Platform

Automated Onboarding
Tools for VNF packaging and Auto-testing for VNF verification.

Automated Deployment
On-demand and self-customized service delivery.

Automated Management
Policy based LCM and FCAPS mgmt.

Intelligent Operation
Big data and AI for policy optimization.
We are hoping that all partners work together to build the healthy ecosystem and accelerate the maturity of SDN and NFV.

We are expecting that ONAP and other open source projects and SDOs strengthen corporation to promote industrial innovation and transformation.

We are waiting for more participants to join this project and promote ONAP to be a successful open source community.
Thank you!