M-CORD

ON . LAB

M. Oğuz Sunay
M-CORD Bi-Weekly Meeting
May 26, 2017

AGENDA

1 **BRIGADES**
Formal Definition

2 **M-CORD - PRESSING ISSUES**
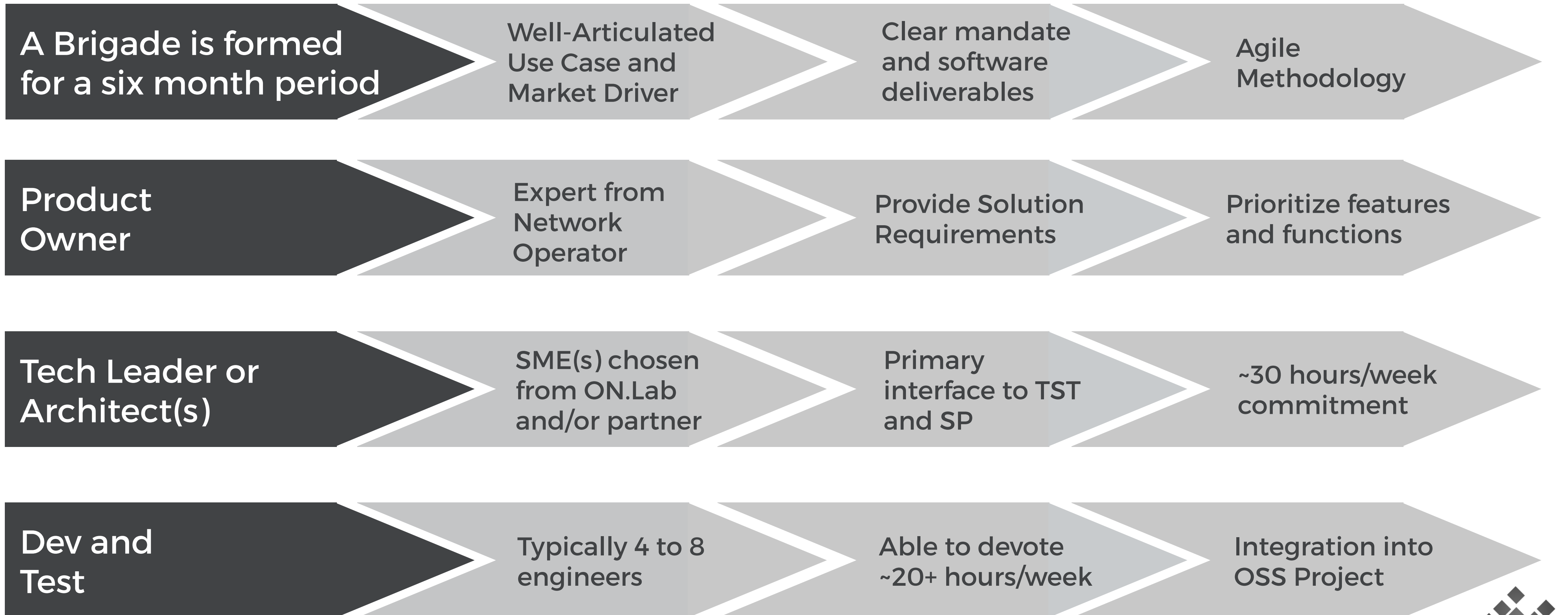What we need to do

3 **BRIGADE SUGGESTIONS**
Call for ACTIVE participation

ONF BRIGADES

A Brigade is formed for a six month period	Well-Articulated Use Case and Market Driver	Clear mandate and software deliverables	Agile Methodology
Product Owner	Expert from Network Operator	Provide Solution Requirements	Prioritize features and functions
Tech Leader or Architect(s)	SME(s) chosen from ON.Lab and/or partner	Primary interface to TST and SP	~30 hours/week commitment
Dev and Test	Typically 4 to 8 engineers	Able to devote ~20+ hours/week	Integration into OSS Project

PRESSING ISSUES

I M-CORD RELEASE

II M-CORD XOS

III ONOS XRAN

IV PRIVATE LTE

V CBRS

BRIGADE SUGGESTIONS

M-CORD RELEASE

- Intel + Sprint EPC Integration into M-CORD
  - XOS Service Configurations
  - ONOS S-P-GW-c Application Completion
  - Intel + Sprint EPC Operational in M-CORD
- ONOS (x)RAN
- vRouter Integration

M-CORD XOS

- CORD 3.0 Integration
- XOS Re-Factoring
- 2-Tier Service Descriptions / Configurations
- Network-Slicing-as-a-Service

BRIGADE SUGGESTIONS

ONOS xRAN

- STEP I - ONOS xRAN for today's xRAN eNBs
  - ONOS southbound/northbound support for c-header file based command transfer over UDP
- STEP II - ONOS xRAN for next phase xRAN eNBs
  - ONOS southbound support for ASN.1 with PER Encoding over SCTP
  - ONOS northbound Rest API-based (for now, until xRAN describes northbound API)
- Sample northbound applications for POCs
  - SON / Handoff / Session Management, etc.

PRIVATE LTE

- L3VPN support for ONOS
- Hierarchical XOS
- vRouter Extensions

BRIGADE SUGGESTIONS

CBRS

- Incorporating the eNB supporting the CBRS Band into M-CORD
- Ensuring communication between the SAS Server and the eNB
- Incorporating Private-LTE specific EPC and services into M-CORD
- XOS Descriptions for this EPC and services

M - C O R D

BRIGADES

	BRIGADE OWNER	LEADER	DEVELOPERS
M-CORD RELEASE		Pingping	Ashok, Lyle,... Radisys, Murat, Xilinx
M-CORD XOS		Murat	
ONOS xRAN		Murat	Intel, Radisys, Xilinx, AT&T
PRIVATE LTE			
CBRS			AT&T

QUESTIONS?