The Next Generation of Fixed Networks
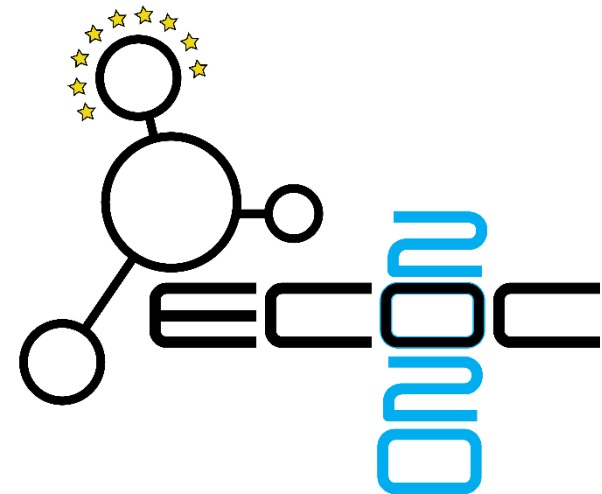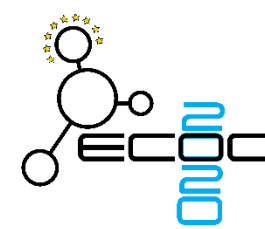
Presented by: **ISG F5G**

For: **ECOC 2020 Workshop WS14**

December 6, 2020

Workshop Agenda

WS 14: The next generation of fixed networks

Organisers: Luca Pesando (ETSI), Philippe Chanclou (Orange Lab), and Xiang Liu (Futurewei)
1:30pm~3:30pm (Brussels time), Sunday, December 6, 2020

1:30~1:45pm, Luca Pesando (ETSI ISG F5G Chair):
 Opening Remark on the 5th Generation of Fixed Networks (F5G)
1:45~2:00pm, Georgi Babinov (ETSI ISG F5G Vice Chair):
 F5G use cases and the support of verticals
2:00~2:15pm, Frank Effenberger (Futurewei Technologies):
 General overview of technology standards related to F5G
2:15~2:30pm, Olivier Ferveur (POST Luxembourg):
 Operator application and use cases related to F5G
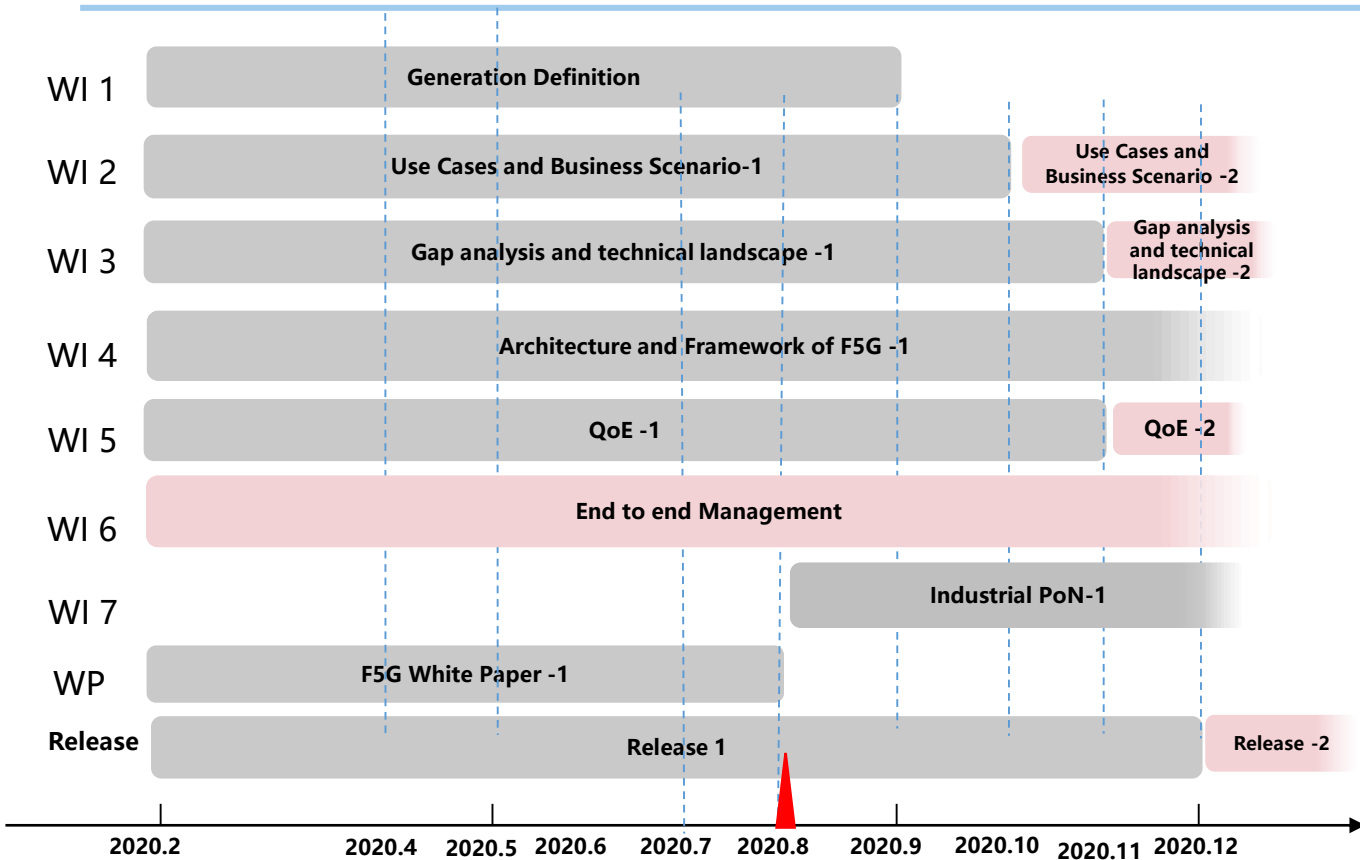2:30~2:45pm, Junjie Li (China Telecom):
 Recent advances in next-generation optical transport networks
2:45~3:00pm, Marco Ruffini (Trinity College Dublin):
 Fibre access virtualisation technology and evolution paths to MEC support
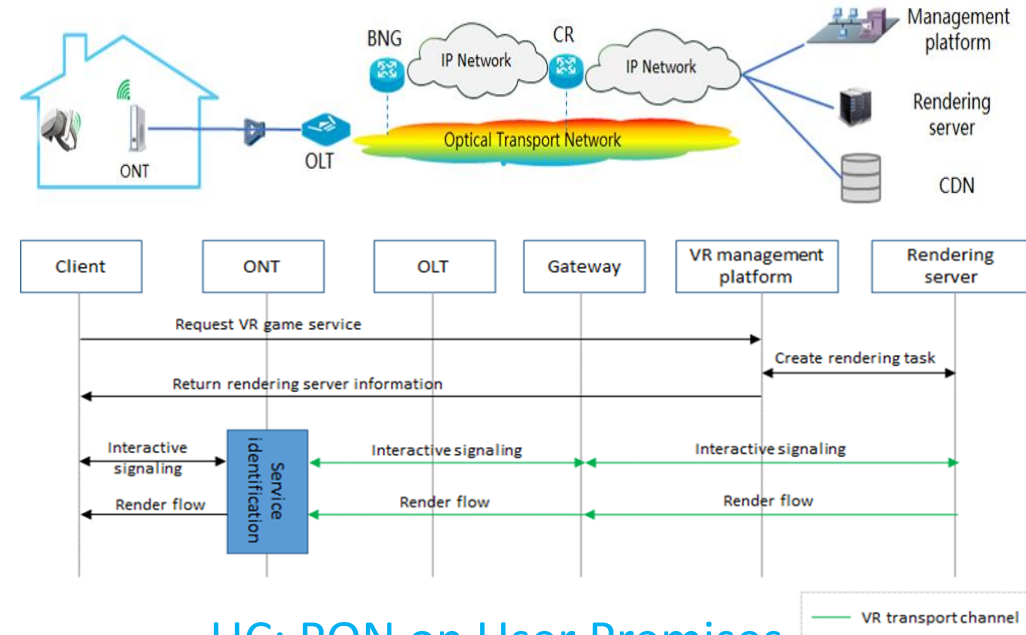3:00~3:30pm, **Panel Discussion and Q&A**
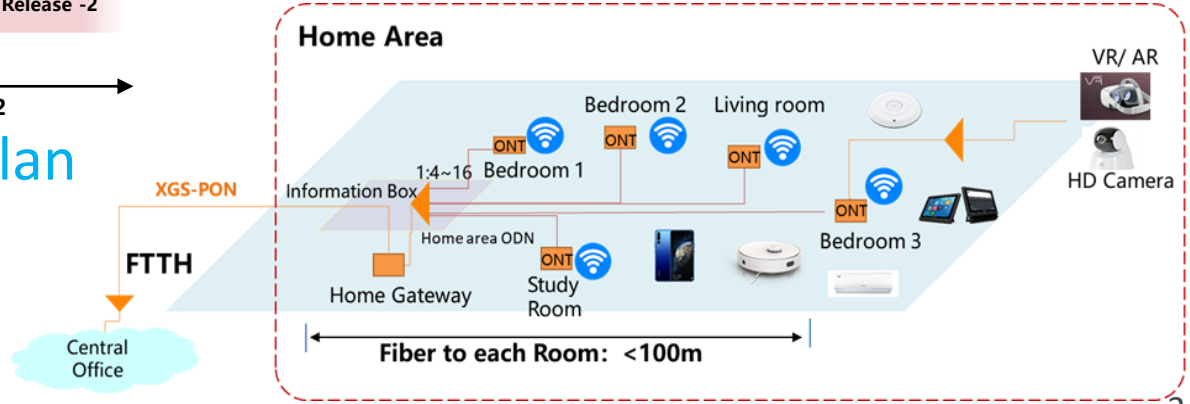
ISG F5G: Timeplan and Use Case (UC) examples

ETSI

F5G Timeplan

WI 1	Generation Definition
WI 2	Use Cases and Business Scenario-1 / Use Cases and Business Scenario -2
WI 3	Gap analysis and technical landscape -1 / Gap analysis and technical landscape -2
WI 4	Architecture and Framework of F5G -1
WI 5	QoE -1 / QoE -2
WI 6	End to end Management
WI 7	Industrial PoN-1
WP	F5G White Paper -1
Release	Release 1 / Release -2

Timeline: 2020.2 2020.4 2020.5 2020.6 2020.7 2020.8 2020.9 2020.10 2020.11 2020.12

F5G White Paper (1st Edition) available at:
https://www.etsi.org/images/files/ETSIWhitePapers/etsi_wp_41_FSG_ed1.pdf

UC: Cloud VR Services

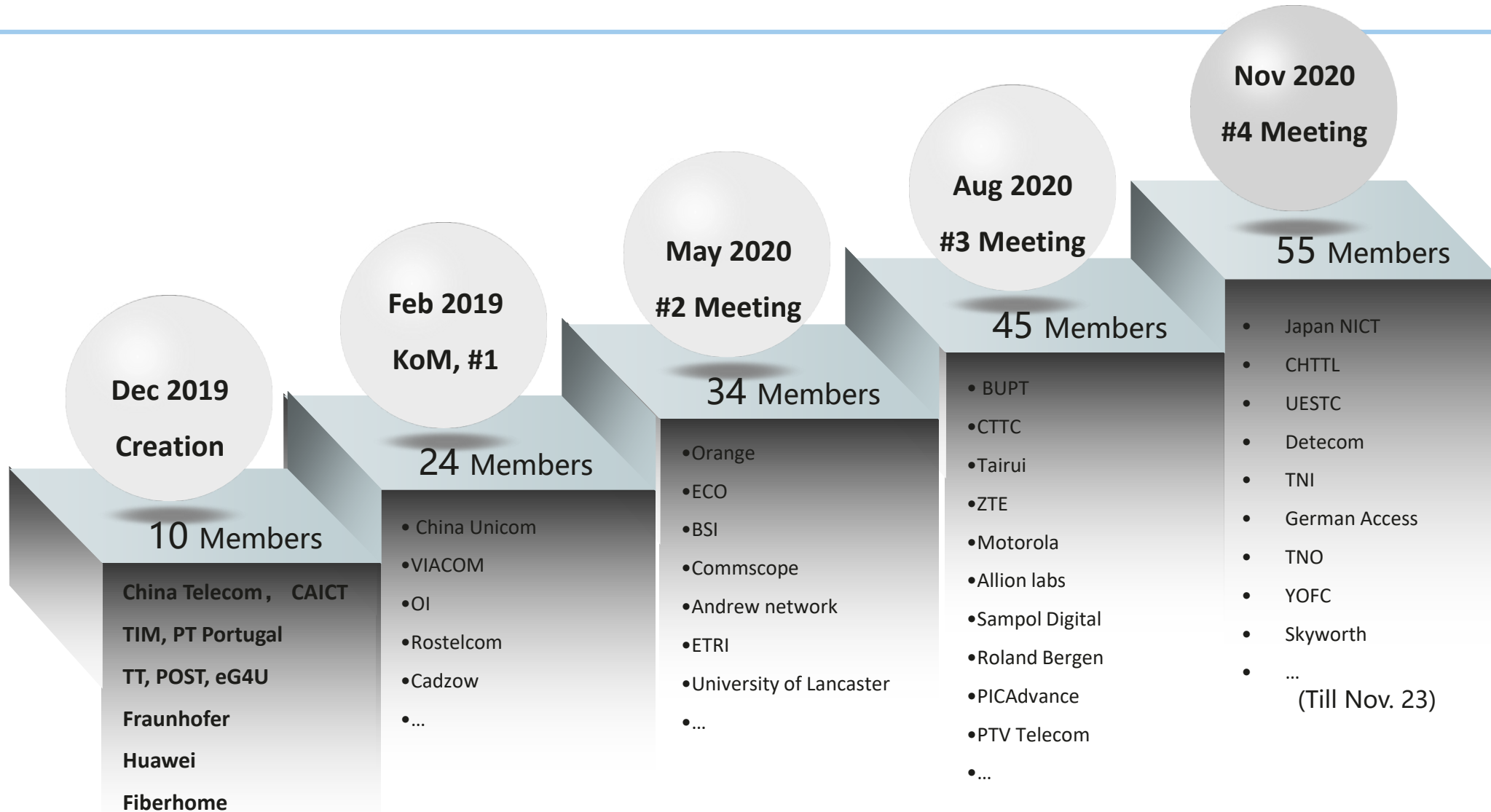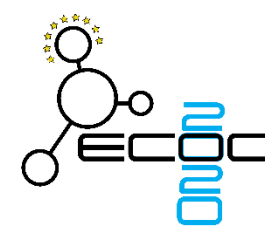## UC: PON on User Premises

F5G Membership Milestones

Dec 2019

Creation

10 Members

China Telecom， CAICT

TIM, PT Portugal

TT, POST, eG4U

Fraunhofer

Huawei

Fiberhome

Feb 2019

KoM, #1

24 Members

• China Unicom
• VIACOM
• OI
• Rostelcom
• Cadzow
• …

May 2020

#2 Meeting

34 Members

• Orange
• ECO
• BSI
• Commscope
• Andrew network
• ETRI
• University of Lancaster
• …

Aug 2020

#3 Meeting

45 Members

• BUPT
• CTTC
• Tairui
• ZTE
• Motorola
• Allion labs
• Sampol Digital
• Roland Bergen
• PICAdvance
• PTV Telecom
• …

Nov 2020

#4 Meeting

55 Members

• Japan NICT
• CHTTL
• UESTC
• Detecom
• TNI
• German Access
• TNO
• YOFC
• Skyworth
• …
   (Till Nov. 23)

https://portal.etsi.org/TB-SiteMap/F5G/F5G-Membership-List

3:00~3:30pm, Panel Discussion and Q&A

Workshop Agenda

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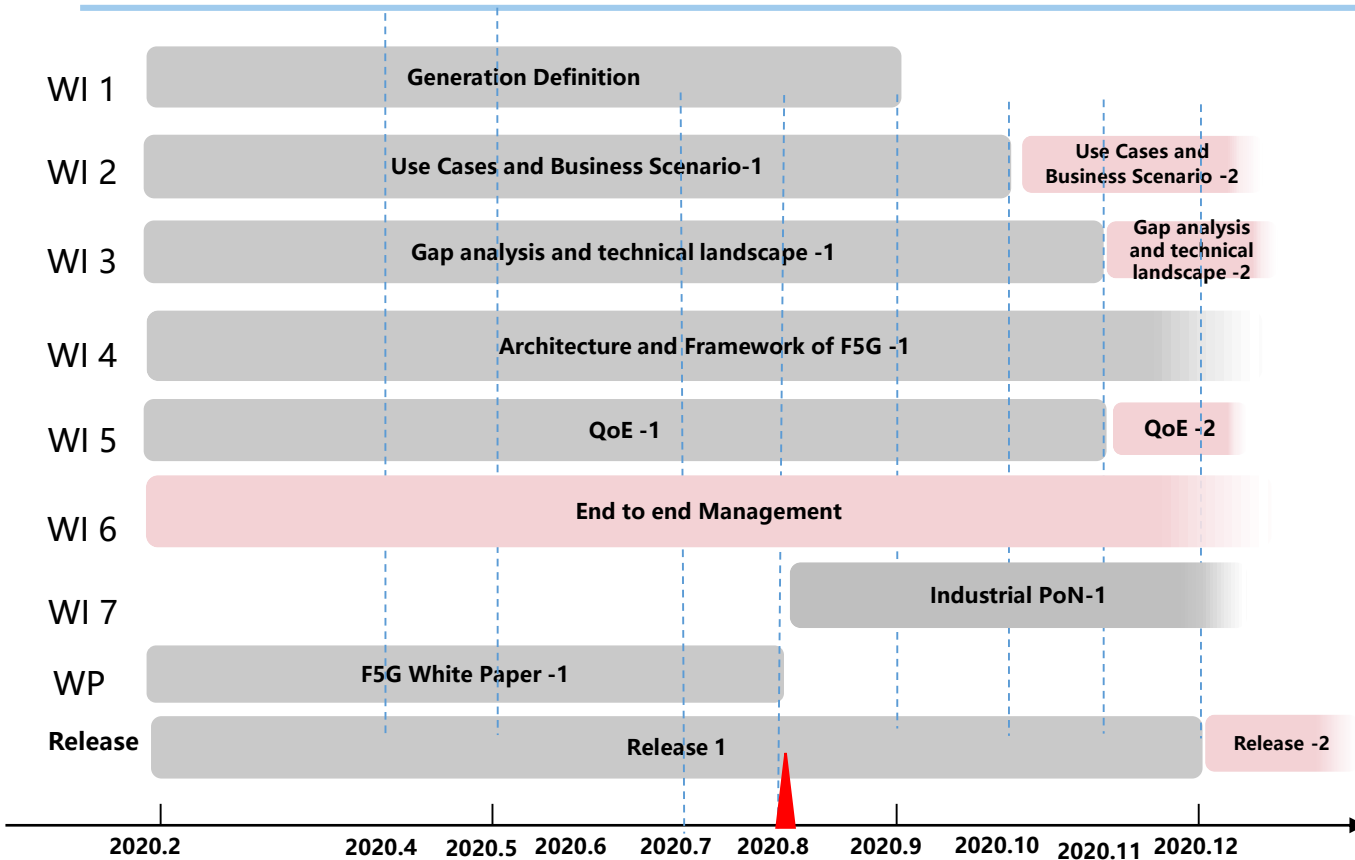2:30~2:45pm, Junjie Li (China Telecom):
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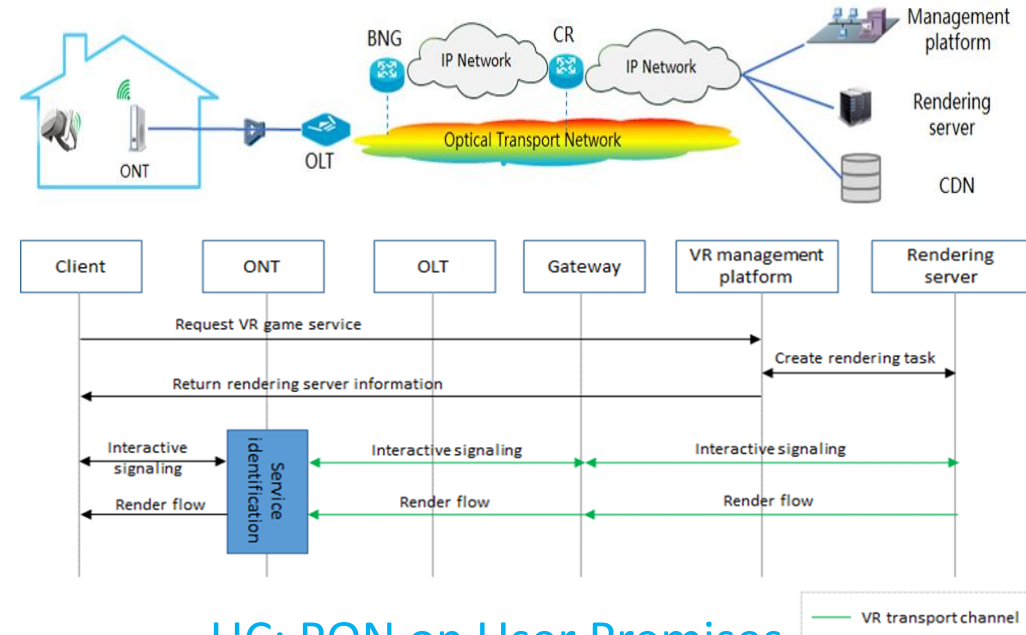3:00~3:30pm, **Panel Discussion and Q&A**
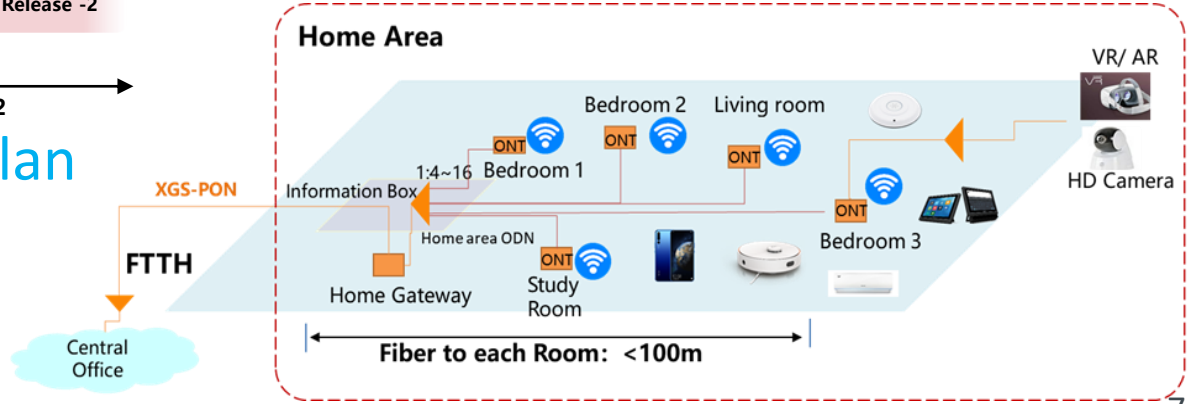
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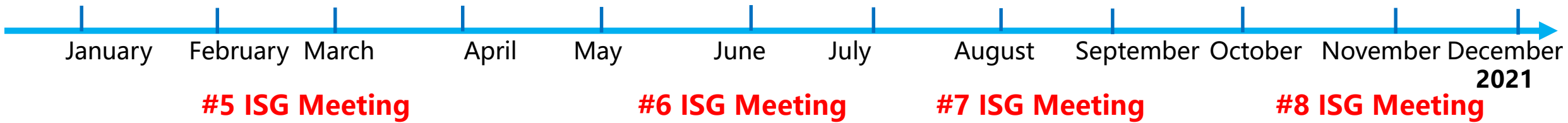https://www.etsi.org/images/files/ETSIWhitePapers/
etsi_wp_41_FSG_ed1.pdf

UC: Cloud VR Services

UC: PON on User Premises

Key Upcoming Events in 2021

	Event	Activity	Time/Place
Feb	MWC 2021 Shanghai		Feb.23~25, Shanghai
June	OFC 2021	Workshop (Theater 3)	June 06~10, San Francisco
June	MWC 2021 Barcelona		June 28 ~July 01, Barcelona
July	OSA 5G Summit	Keynote Speech on F5G	July 13~14, Washington DC