

Continuous Growth with Sustainable Superior Profits

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December 7, 2020



MEMBERSHIP

TSE cord : 6754

<https://www.anritsu.com>



Anritsu
envision : ensure

Cautionary Statement

All information contained in this release which pertains to the current plans, estimates, strategies and beliefs of Anritsu Corporation (hereafter "Anritsu") that is not historical fact shall be considered forward-looking statements of future business results or other forward-looking projections pertinent to the business of Anritsu. Implicit in reliance on these and all future projections is the unavoidable risk, caused by the existence of uncertainties about future events, that any and all suggested projections may not, come to pass. Forward-looking statements include but are not limited to those using words such as "believe", "expect", "plans", "strategy", "prospects", "forecast", "estimate", "project", "anticipate", "may" or "might" and words of similar meaning in connection with a discussion of future operations or financial performance.

Actual business results are the outcome of a number of unknown variables and may substantially differ from the figures projected herein.

Factors which may affect the actual business results include but are not limited to the economic situation in the geographic areas in which Anritsu conducts business, including but not limited to, Japan, Americas, Asia, and Europe, changes in actual demand for Anritsu products and services, increases or decreases in the competitive nature of markets in which Anritsu sells products or buys supplies, changing aptitudes at providing services, and exchange rates.

You also should not place reliance on any obligation of Anritsu to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise. Anritsu disclaims any such obligation.

Agenda

I . Mid term Business Plan GLP2020 and Business Strategy

1. Basic Policy of Management Strategy
2. Outline of our business segments
3. Basic Policy of medium and long term business strategy
4. Set out for Beyond2020

II . T&M business segment

III. PQA Business segment

IV. Shareholder Return Policy

V . Financial Results for the 2nd quarter of the Fiscal Year ending March 31, 2021

Appendix

I . Mid term Business Plan GLP2020 and Business Strategy

I -1. Basic Policy of Management Strategy

- ✓ Prosecute the policy " Continuous profitable growth"
- ✓ Make our best to accomplish 2020VISION/ GLP2020

* GLP2020 Plan = FY2018~FY2020

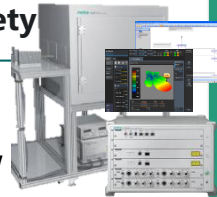


I -2. Outline of our business segments

T&M

Evolution and advances of networked society

- ▶ Mobile : 5G, LTE
- ▶ Network Infrastructure : Wired, Wireless NW
- ▶ Electronics : Electronics parts, Wireless Equipment



PQA

Food Safety and security

- ▶ X-ray inspection systems
- ▶ Metal Detector
- ▶ Checkweighers



Others

- ▶ IP network equipment
- ▶ Opt. devices



(Revenue by business segment)

107.0 Billion Yen consolidated revenue in FY2019

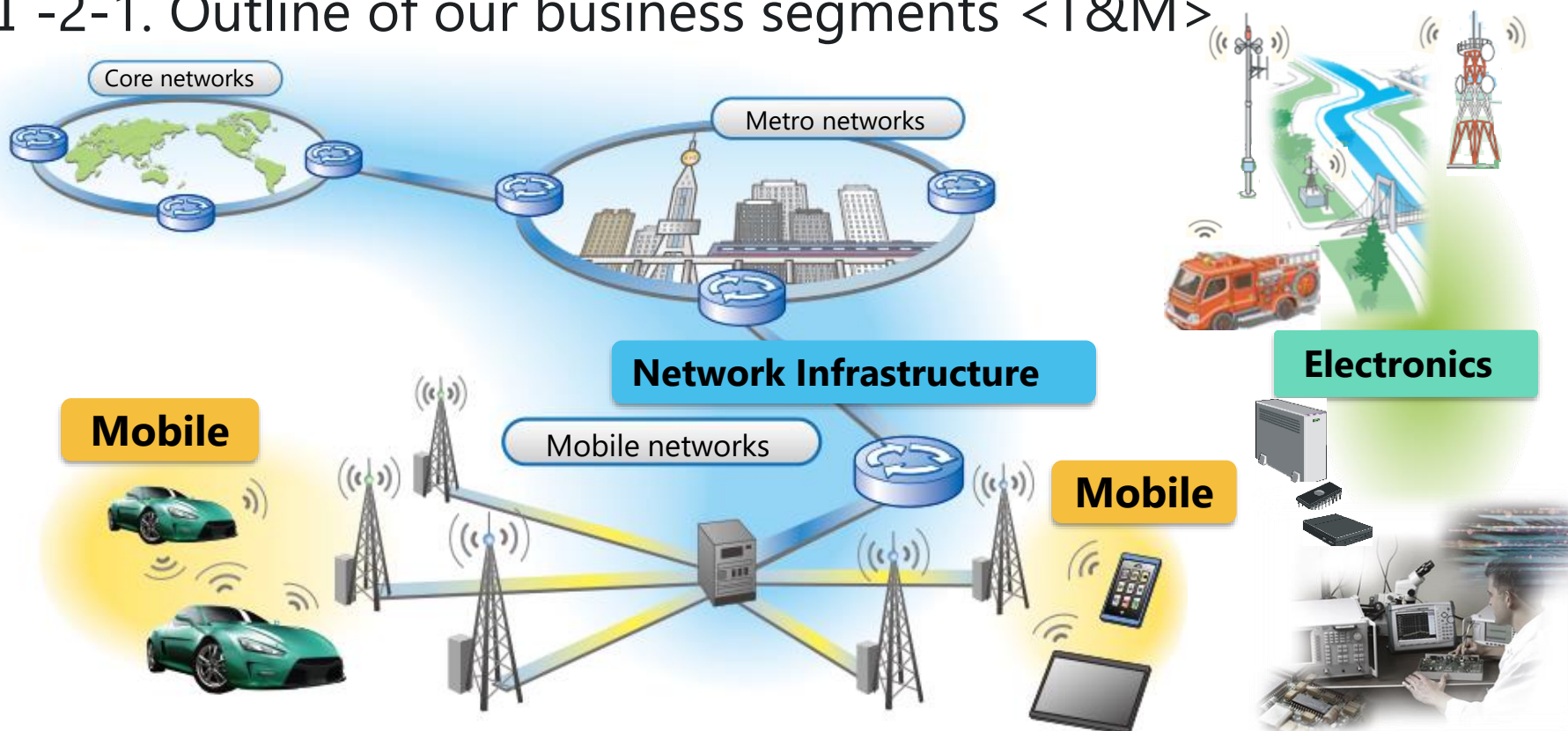
T&M 70%			PQA	Others
Mobile 56%	Network Infrastructure 25%	Electronics 19%	21%	9%

(Sales of T&M business by region in FY2019)

Japan 22%	Asia & Others 44%	Americas 22%	EMEA 12%
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T&M: Test & Measurement PQA : Products Quality Assurance

I -2-1. Outline of our business segments <T&M>



	R&D	Manufacturing	Installation/ Maintenance
Wireline Communication	Network Infrastructure (25%)		
Wireless Communication	Mobile (56%)		
General Purpose	Electronics (19%)*		*Electronics components etc.

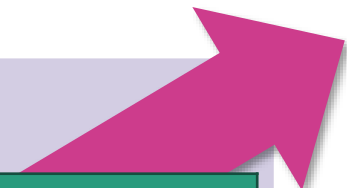
I -3. Basic Policy of medium and long term business strategy

Capture growth drivers without fail, and realize “continuous profitable growth”

	Market average annual growth rate (estimated by Anritsu)	Vision/growth driver	Medium & long –term guideline	
			Sales growth rate	Operating margin
T&M	3-5%	Become a leading company supporting 5G/IoT society (1) 5G, LTE-Advanced (2) IoT/Automotive, Connectivity (3) IP Data traffic/Cloud Services	$\geq 7\%$	$\geq 20\%$
PQA	3-5%	Become a world-class partner in quality assurance solution Expansion from contaminant inspection into the quality assurance market	$\geq 7\%$	$\geq 12\%$
Consolidated	—	—	—	$\geq 18\%$
ROE	—	—	$\geq 15\%$	

I -3-1. GLP2020 : Revenue and Op. profit Plan (1/2)

GLP2020

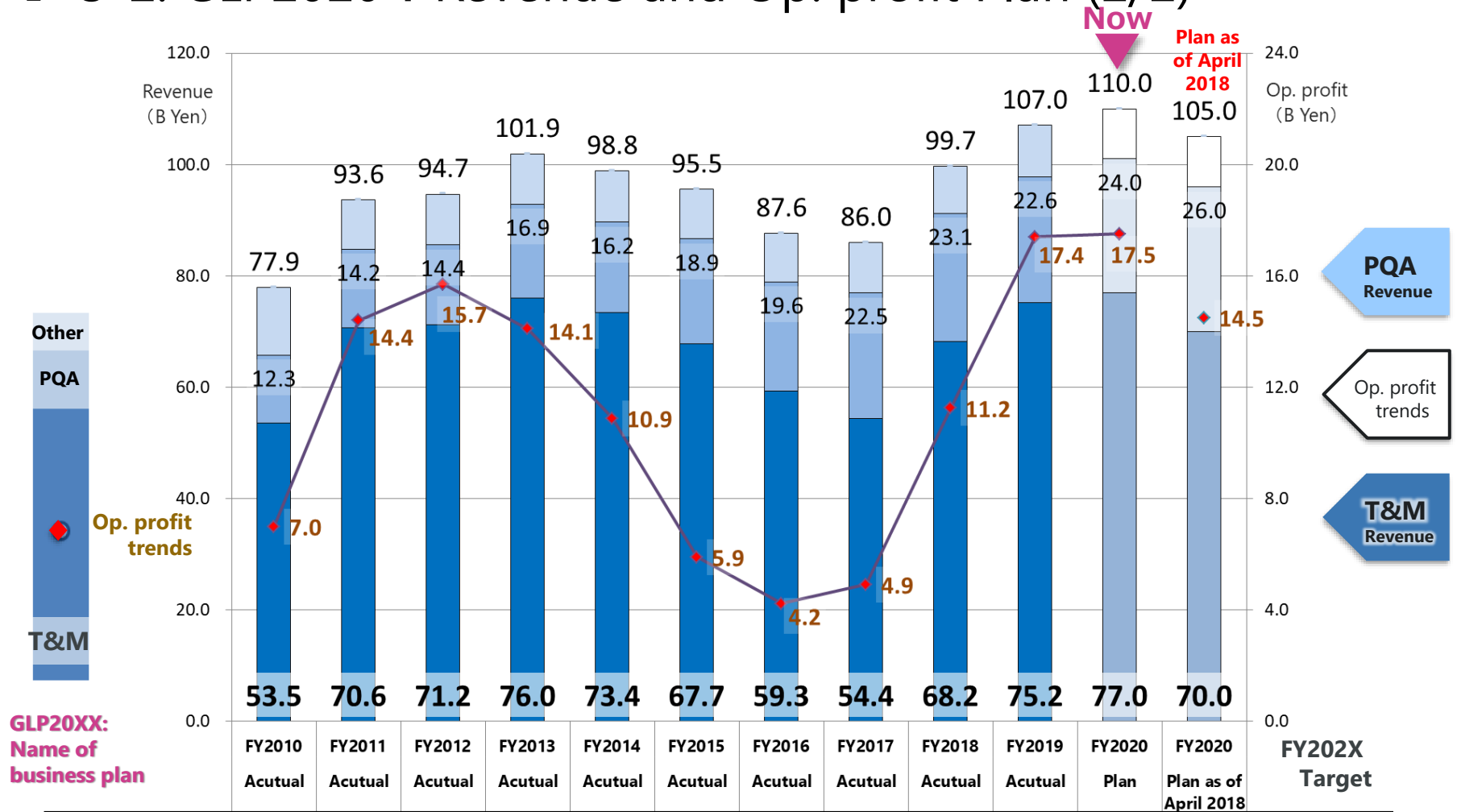


Indicators		FY2018 _(Act)	FY2019 _(Act)	FY2020 _(Plan)	FY2020*
Revenue		99.7 B Yen	107.0 B Yen	110.0 B Yen	105.0 B Yen
OP. profit		11.2 B Yen	17.4 B Yen	17.5 B Yen	14.5 B Yen
Op. margin		11 %	16 %	16 %	14 %
Profit		9.0 B Yen	13.4 B Yen	13.5 B Yen	11.0 B Yen
ROE		11 %	15 %	14 %	12 %
T&M	Revenue	68.2 B Yen	75.2 B Yen	77.0 B Yen	70.0 B Yen
	Op. profit	9.4 B Yen	15.1 B Yen	15.5 B Yen	10.0 B Yen
	Op. margin	14 %	20 %	20 %	14 %
PQA	Revenue	23.1 B Yen	22.6 B Yen	24.0 B Yen	26.0 B Yen
	Op. profit	1.6 B Yen	1.3 B Yen	1.8 B Yen	3.0 B Yen
	Op. margin	7 %	6 %	8 %	12 %

*Plan as of April 2018

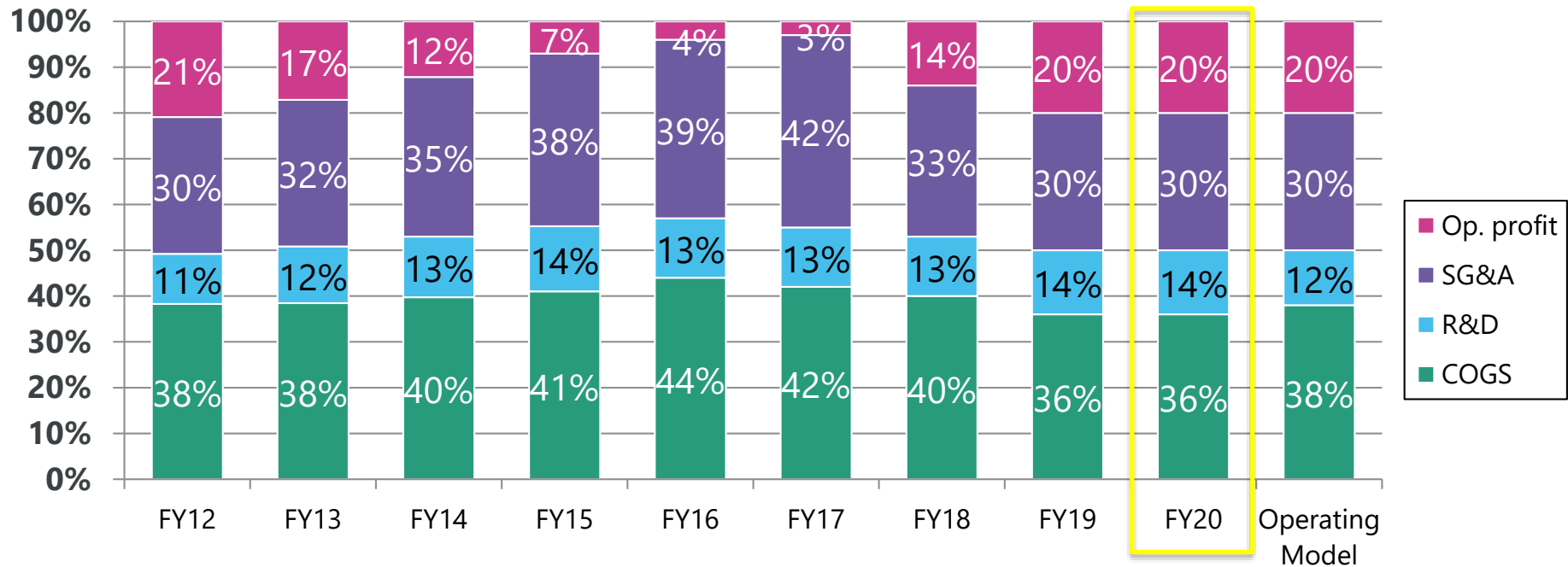
(Note) Exchange rate for GLP2020 : 1USD=105Yen, 1Euro=125Yen)

I -3-2. GLP2020 : Revenue and Op. profit Plan (2/2)



Op. Margin	Consolidated	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2020	FY202X Target	
		Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Plan	Plan as of April 2018		
Op. Margin	Consolidated	9%	15%	17%	14%	11%	6%	5%	6%	11%	16%	16%	14%		18%
	T&M	9%	20%	21%	17%	12%	7%	4%	4%	14%	20%	20%	14%		20%
	PQA	5%	4%	6%	7%	5%	6%	7%	9%	7%	6%	8%	12%		> 12%
GLP plan		GLP2012		GLP2014			GLP2017			GLP2020				GLP202X	

I -3-3. T&M : Profit structure improvement targets

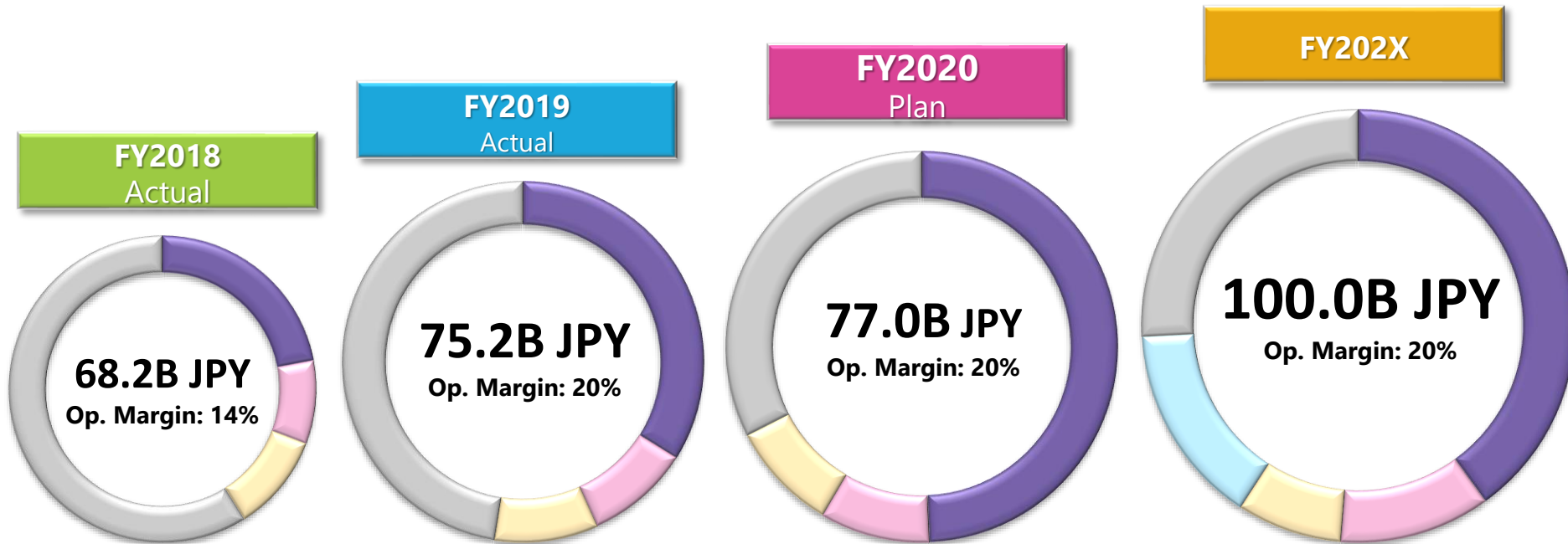


Cost structure improvement measures

- Introduction of high value added solutions (professional services, software)
- Thorough enforcement of development ROI & ROIC management (*1)
- SG&A expenses: Organizational structure and optimal allocation of human resources in response to changes in customer trends

*1:KPI target index for R&D investments is an R&D ROI(gross profit / R&D investment value) of 4.0times or higher.

I -3-4. GLP2020 Progress Status in T&M Business

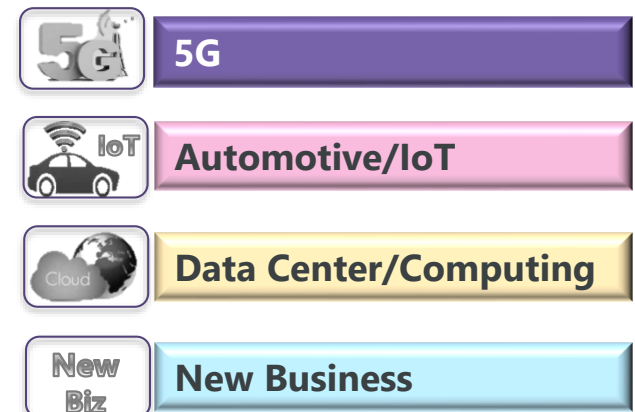


FY2020 Initiatives

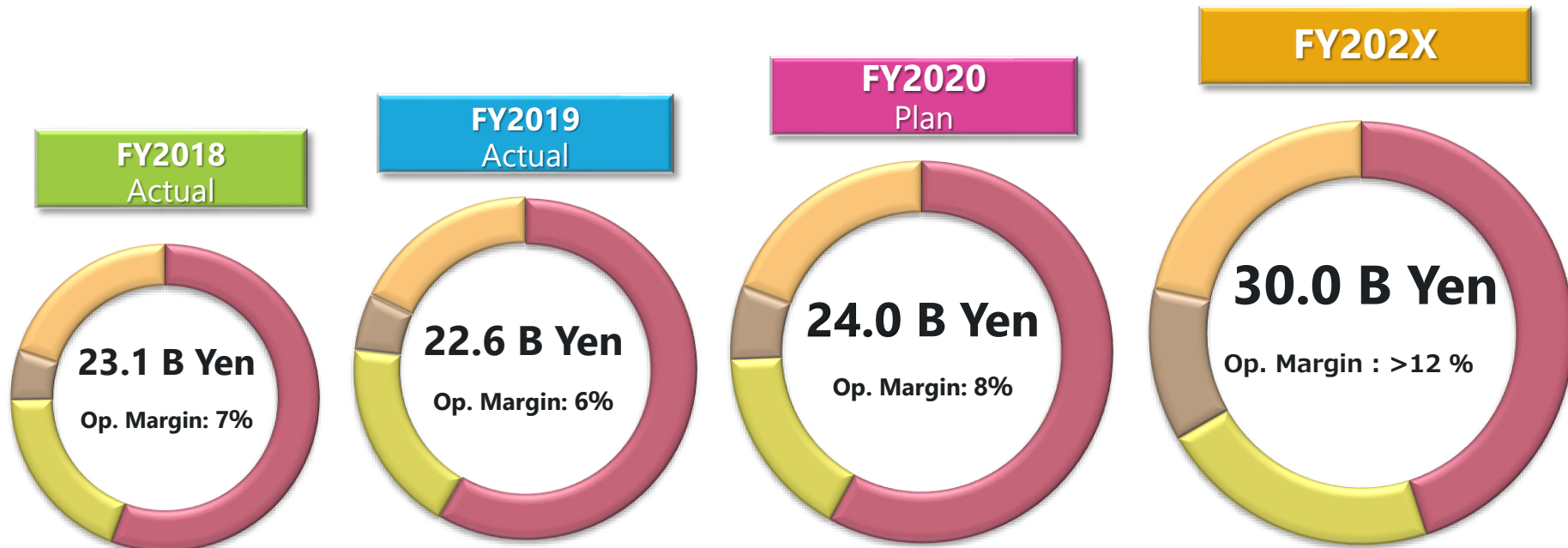
Capture growth opportunities by focusing on boosting competitiveness in 5G business

- Enhance global development framework and customer support system
- Promote conformance test system business

(Note) Anritsu group announced the FY2020 Forecast on April 27th, 2020.



I -3-5. GLP2020 Progress Status in PQA Business



FY2020 Initiatives

- Strengthen sales bases in Americas and Europe
- Promote shift to platform solutions

Japan

Americas

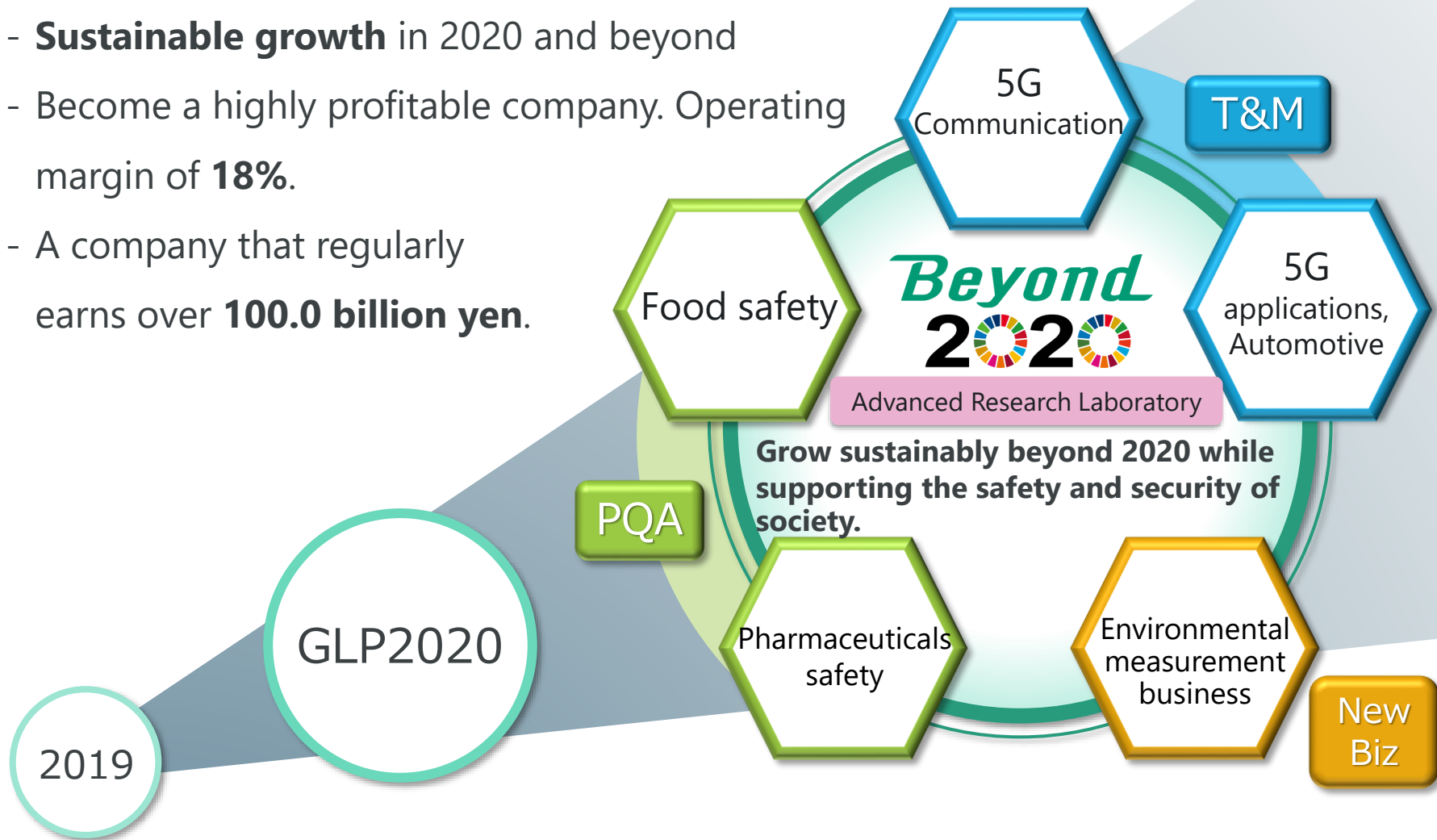
EMEA

Asia & Others

(Note) Anritsu group announced the FY2020 Forecast on April 27th, 2020.

I -4. Set out for Beyond2020

- **Sustainable growth** in 2020 and beyond
- Become a highly profitable company. Operating margin of **18%**.
- A company that regularly earns over **100.0 billion yen**.

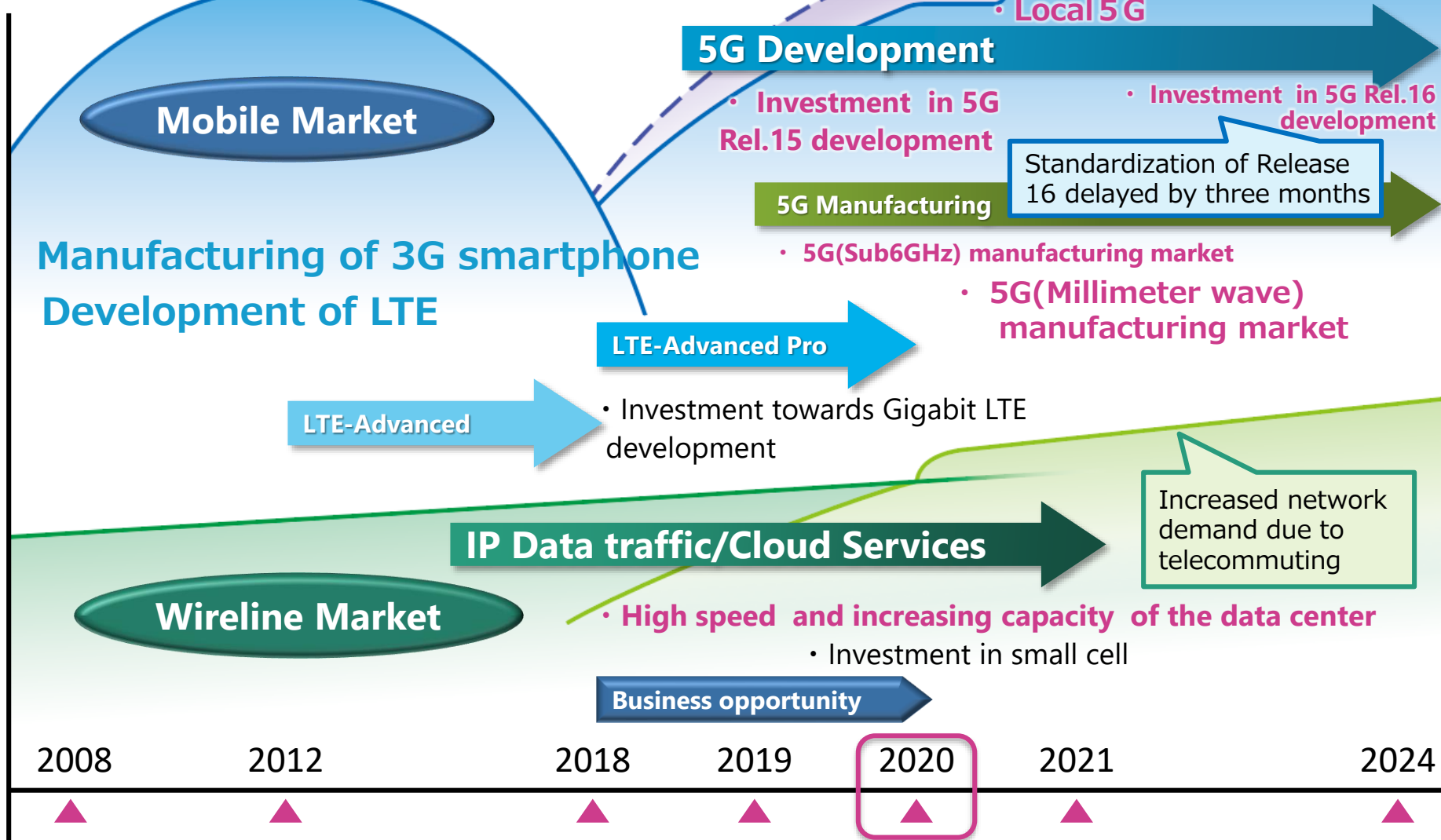


Resolve social issues by realizing Beyond 2020

Ⅱ . T&M business segment

II -1. T&M : Mobile market trends and Business opportunity

Market size



II -2. Role of MT8000A

Real-world environment



Emulated

Test environment



MT8000A

Enables a variety of simulations, including handling of errors which cannot be checked with a base station connection, and handover from one base station to another

Emulates a base station to connect to smartphone and conduct performance testing

II -3. 5G terminal development/manufacturing process and test solutions

Sub6 /Millimeter wave

Chipset development and commercial handset development

Verification of Core Technologies at Chipset Vendors



Protocol



Baseband Chipset / RF Front End

Evaluation of Functions & Performance at UE Vendors



Evaluation of Functions & Performance

Conformance Test at UE Vendors & Test Houses

Conformance Test (CT)



Acceptance Test at Carriers & Test Houses

Carrier Acceptance Test (CAT)



Sub6

Millimeter wave

Mass production

Mass Production Test at UE Vendors & EMS

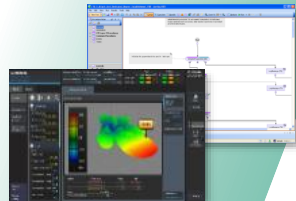


RF Calibration & Inspection



MT8000A

Radio Communication Test Station



ME7873NR/ME7834NR

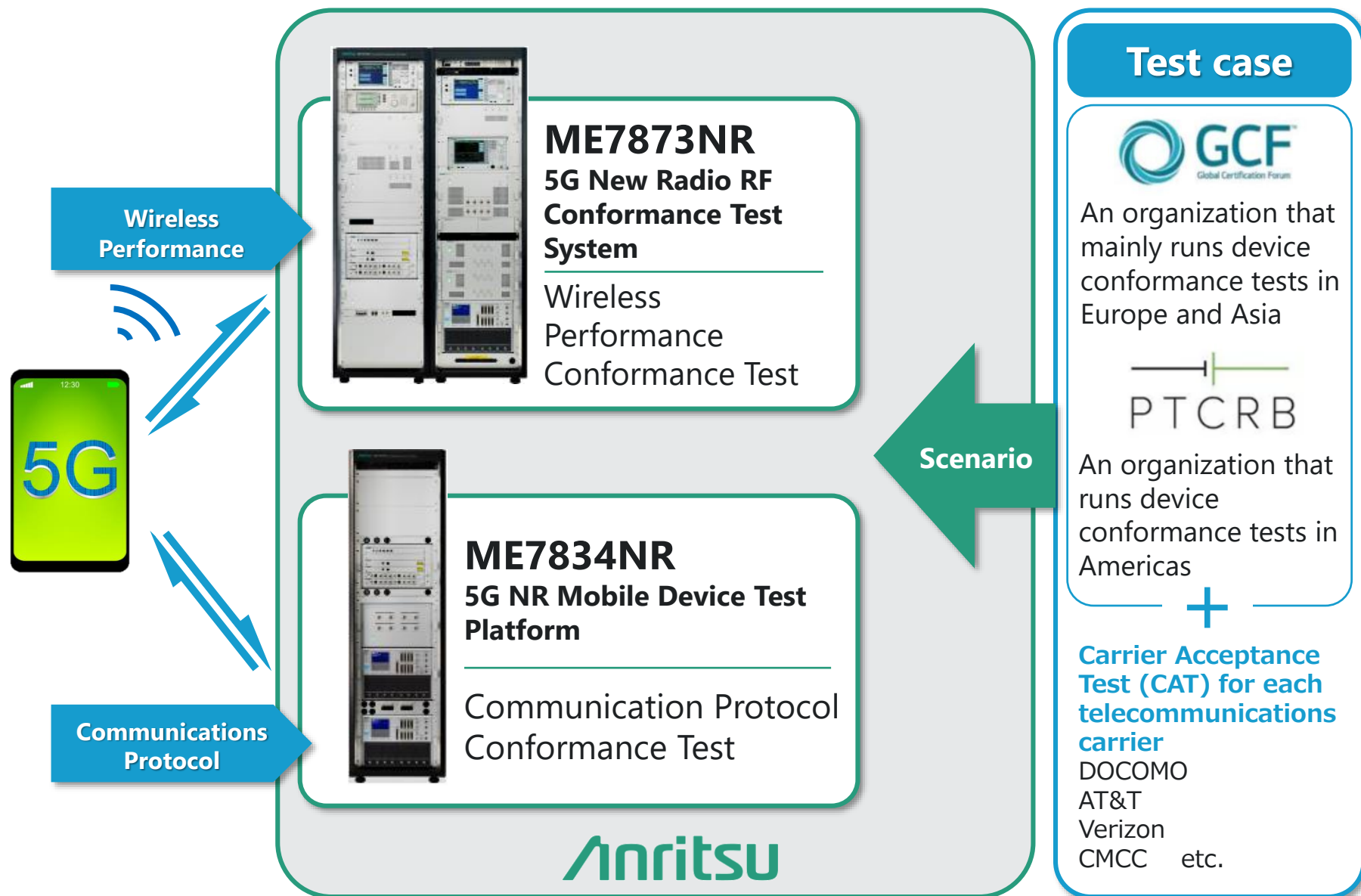
5G NR Conformance Test and Carrier Acceptance Test System








MT8870A

Universal Wireless Test Set

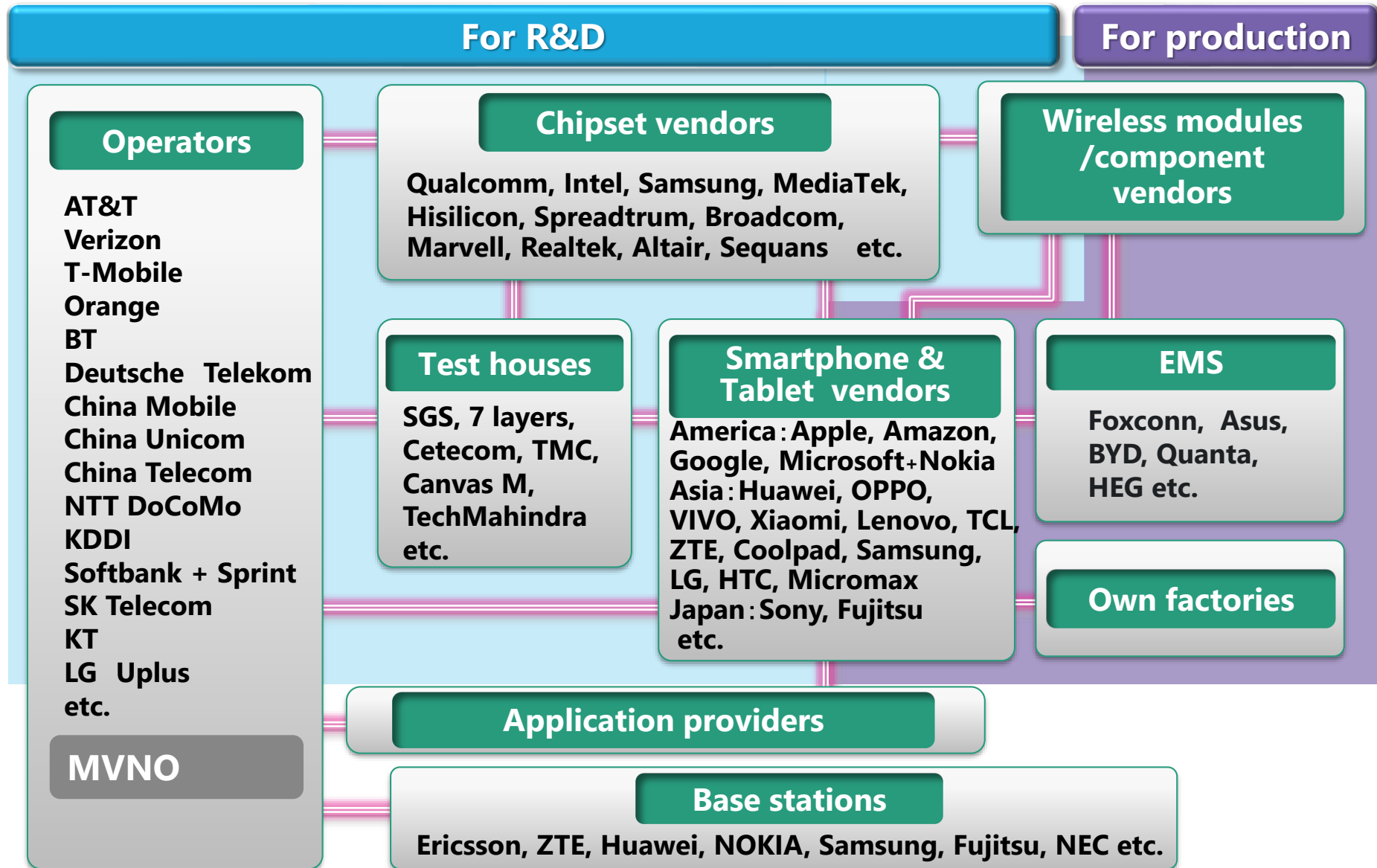
II -4. 5G Test Solutions Conformance Test



II -5. Mobile R&D business and solutions (The case of LTE)

	Platform(Core) Development	Conformance test		Operator Acceptance test	Smartphone Commercial test
		RF	Protocol		
Uses	Comm. standard development Chipset development	Conformance test Interoperability test		Comm. Carrier acceptance test	Application development UE operation test
Main customers	Chipset vendor UE vendor	Chipset vendor, UE vendor, Communication Carrier		Com Carrier, Test house, UE vendor	UE vendor Applications developer
Main theme	• FDD / TDD-LTE, LTE-Advanced, LTE-Advanced PRO • CA (Carrier aggregation), VoLTE (Voice over LTE) • MIMO (Multi Input Multi Output) • Chipset unification of 3G/LTE and SRW (Short Range Wireless)				• Improve data throughput • Battery consumption etc.
Test solutions					
Main Competitors	<div>Anritsu : No.1 position</div> Rohde & Schwarz		Rohde & Schwarz, Keysight(Agilent, Anite), Spirent		Rohde & Schwarz, Keysight

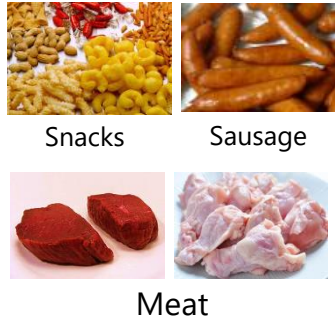
II -6. Food chain and players in mobile telecom market



Ⅲ. PQA Business segment

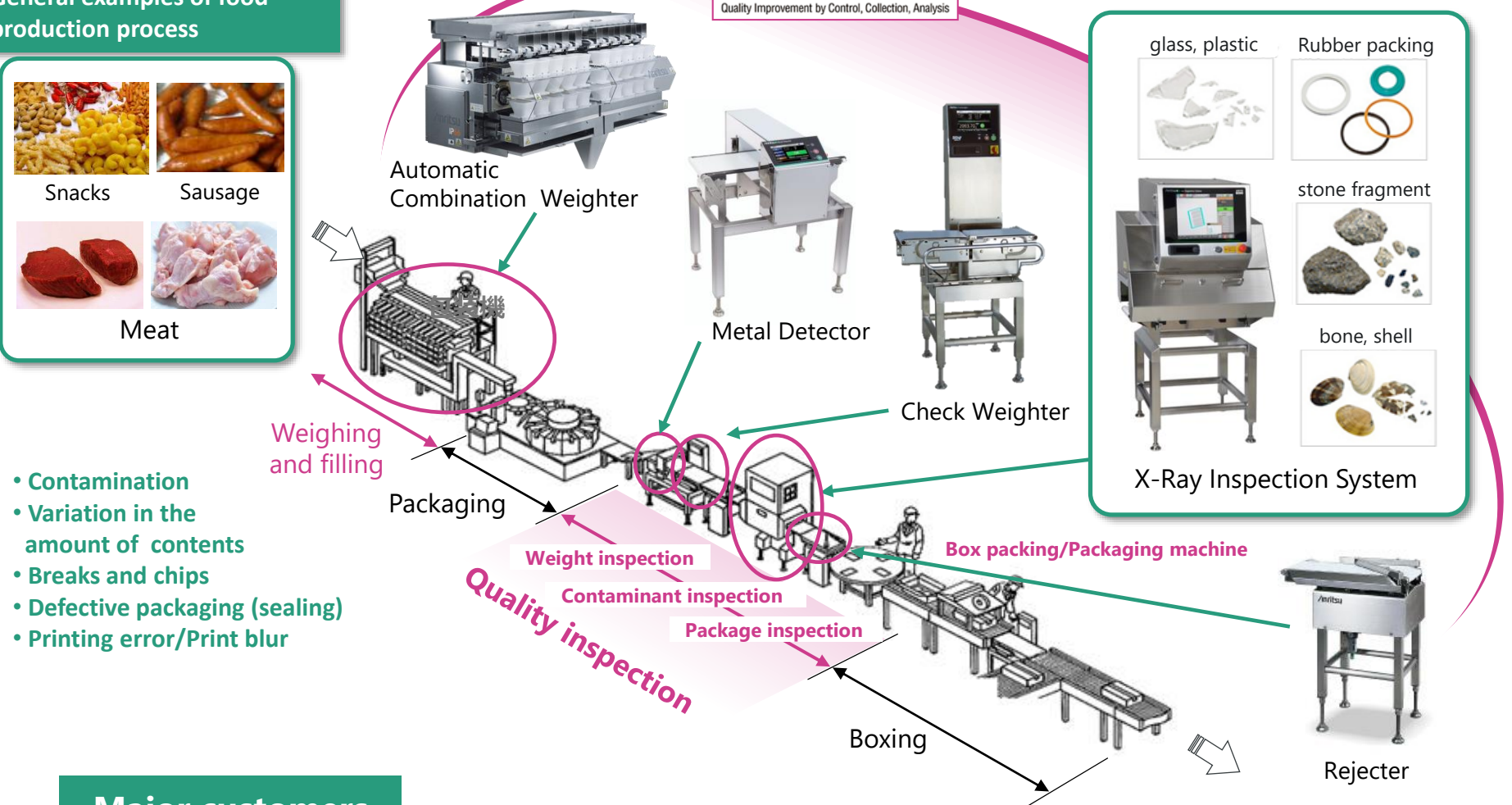
III-1. PQA business segments (Products Quality Assurance)

General examples of food production process



QuicCA
Quality Improvement by Control, Collection, Analysis

Overall quality management and control system

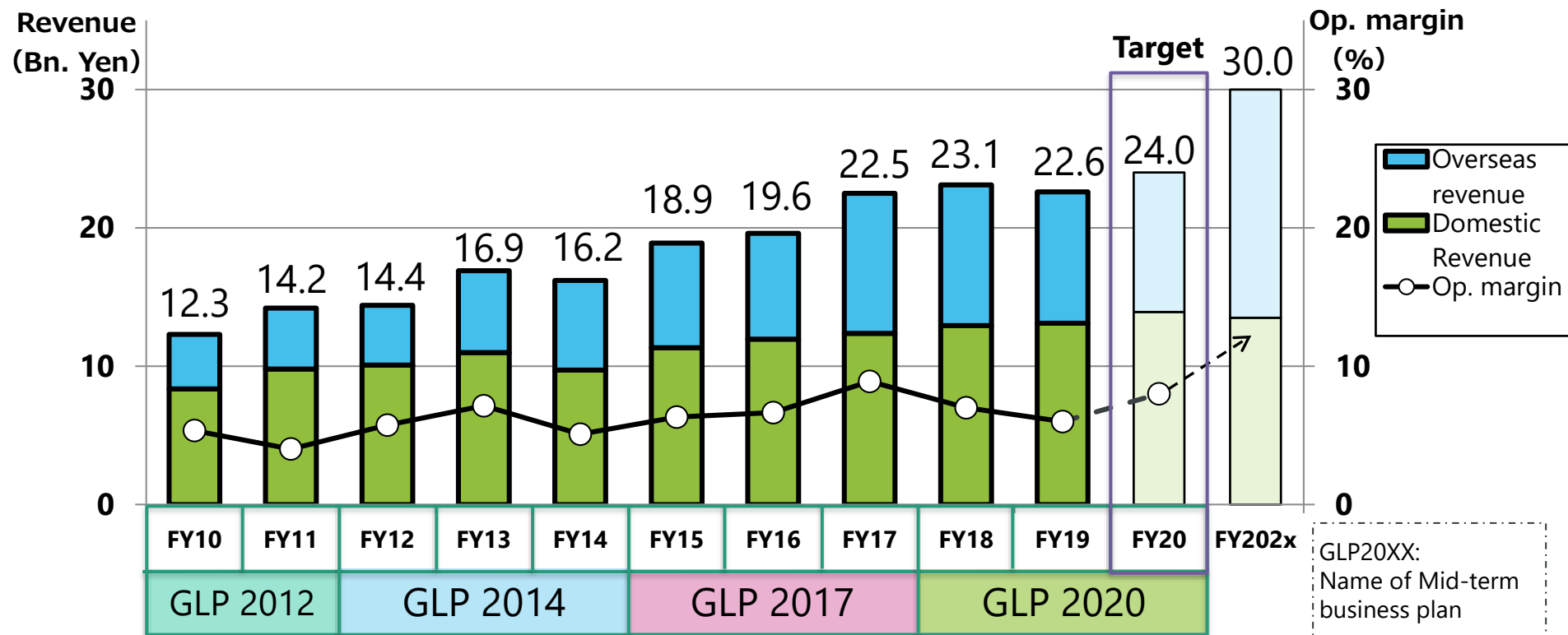


- Contamination
- Variation in the amount of contents
- Breaks and chips
- Defective packaging (sealing)
- Printing error/Print blur

Major customers

Mondelez, Nestle, Kraft Heinz, Nippon Ham Group, Glico Group, Nissui Group, etc.

Ⅲ-2. The growing PQA business



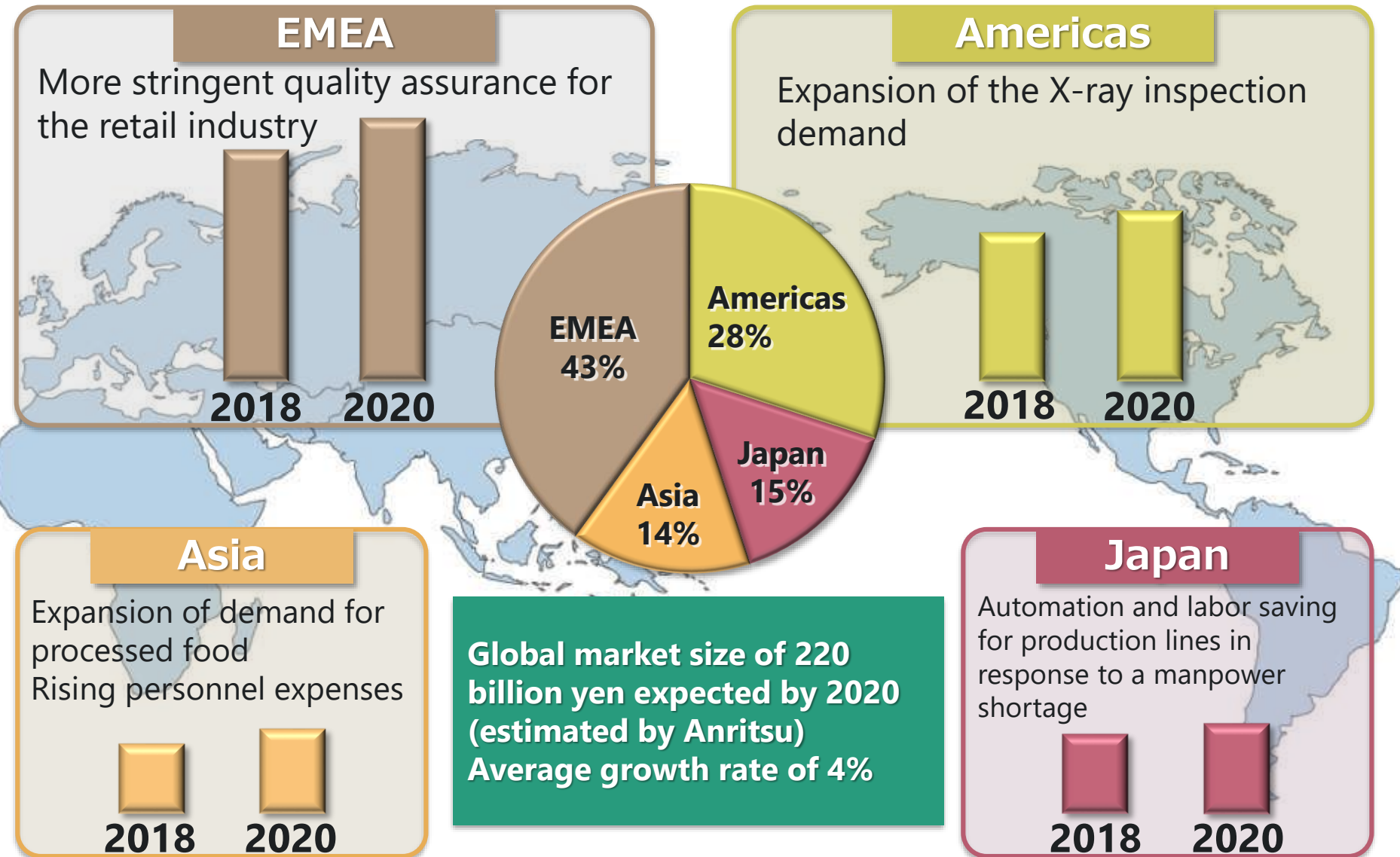
Market	Major initiatives
North America, EMEA, Asia	Develop market with X-ray inspection systems as a key solution
Japan	Improve market share through quality assurance solutions with high added value in response to cutting-edge needs

Main Competitors

Mettler-Toledo, Ishida, Marel

*Anritsu group announced the FY2020 Forecast on April 27th, 2020.

III-3. PQA Business: Current Status of the PQA Market and Outlook



IV. Shareholder Return Policy

Note :The announced on July 30th, 2020

IV-1. Shareholder Return Policy

Dividend Policy

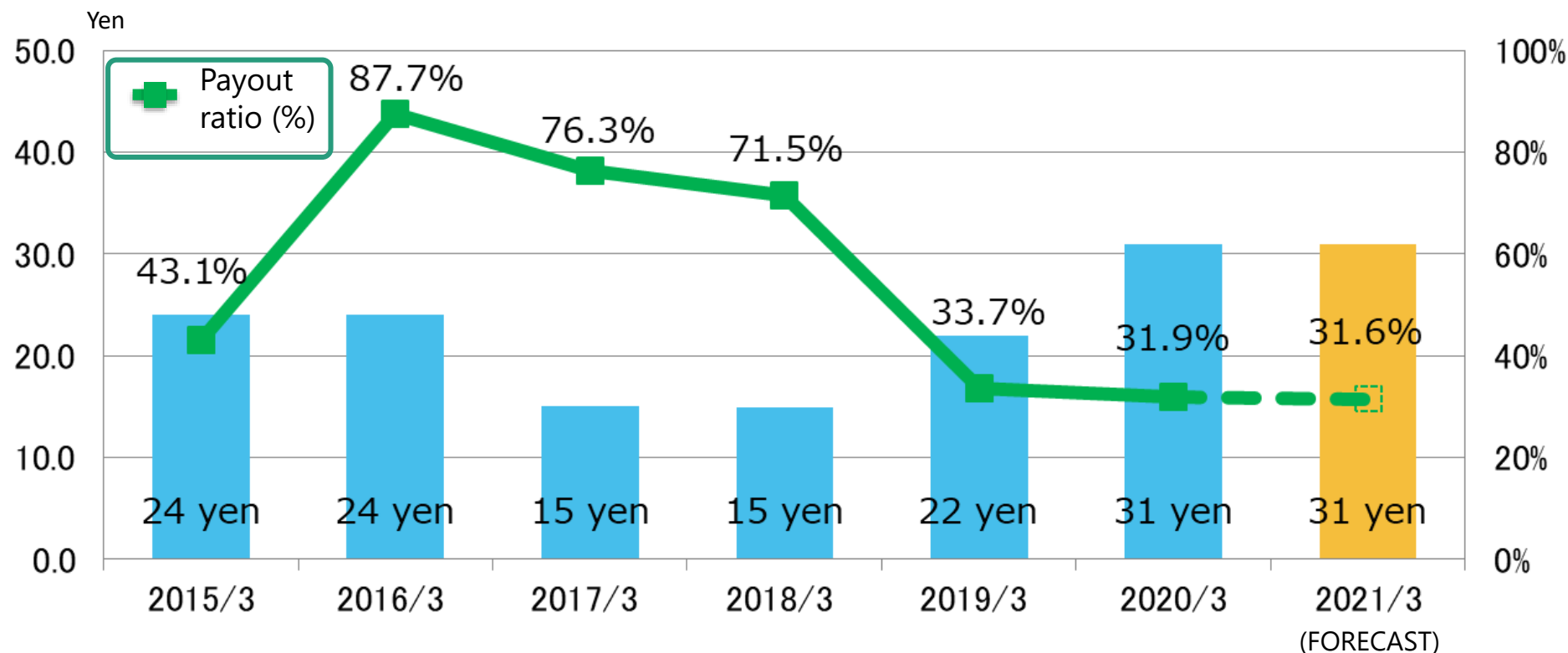
Distribute profits in accordance with its consolidated performance(Net profit) and by taking into account the total return

1. Take the basic approach of raising dividends on equity (DOE) in accordance with the increase in consolidated profits for the fiscal year
2. Aim at a consolidated dividend payout ratio of 30 percent or more
3. Flexibly provide shareholder returns taking into account the total return ratio

IV-2. Dividend forecast

Annual dividend

	Dividend per share	Profit	Payout ratio	DOE	ROE
FY2020 (Forecast)	31 yen	13.5 B yen	31.6%	4.4%	14%
FY2019	31 yen	13.4 B yen	31.9%	4.7%	14.9%



V. Financial Results for the 2nd quarter of the Fiscal Year ending March 31, 2021

Note :The announced on July 30th, 2020

V-1. Consolidated performance - Financial results -


 Year-on-year growth in revenue and profit

Unit: Billion Yen

International Financial Reporting Standards (IFRS)	FY2019 (Apr. to Sep.)	FY2020 (Apr. to Sep.)	YoY	YoY (%)
Order Intake	53.6	54.0	0.4	1%
Revenue	49.8	52.2	2.4	5%
Operating profit (loss)	6.6	9.8	3.2	48%
Profit (loss) before tax	6.4	9.7	3.3	53%
Profit (loss)	4.7	7.1	2.4	51%
Comprehensive income	3.4	7.1	3.7	111%

Note : Numbers are rounded off to the first decimal place in each column.

V-2. Consolidated performance - Results by business segment -

 T&M: Revenue and profit increased thanks to 5G commercialization and steady demand for data centers

PQA: Profit increased while revenue decreased due to the impact of COVID-19

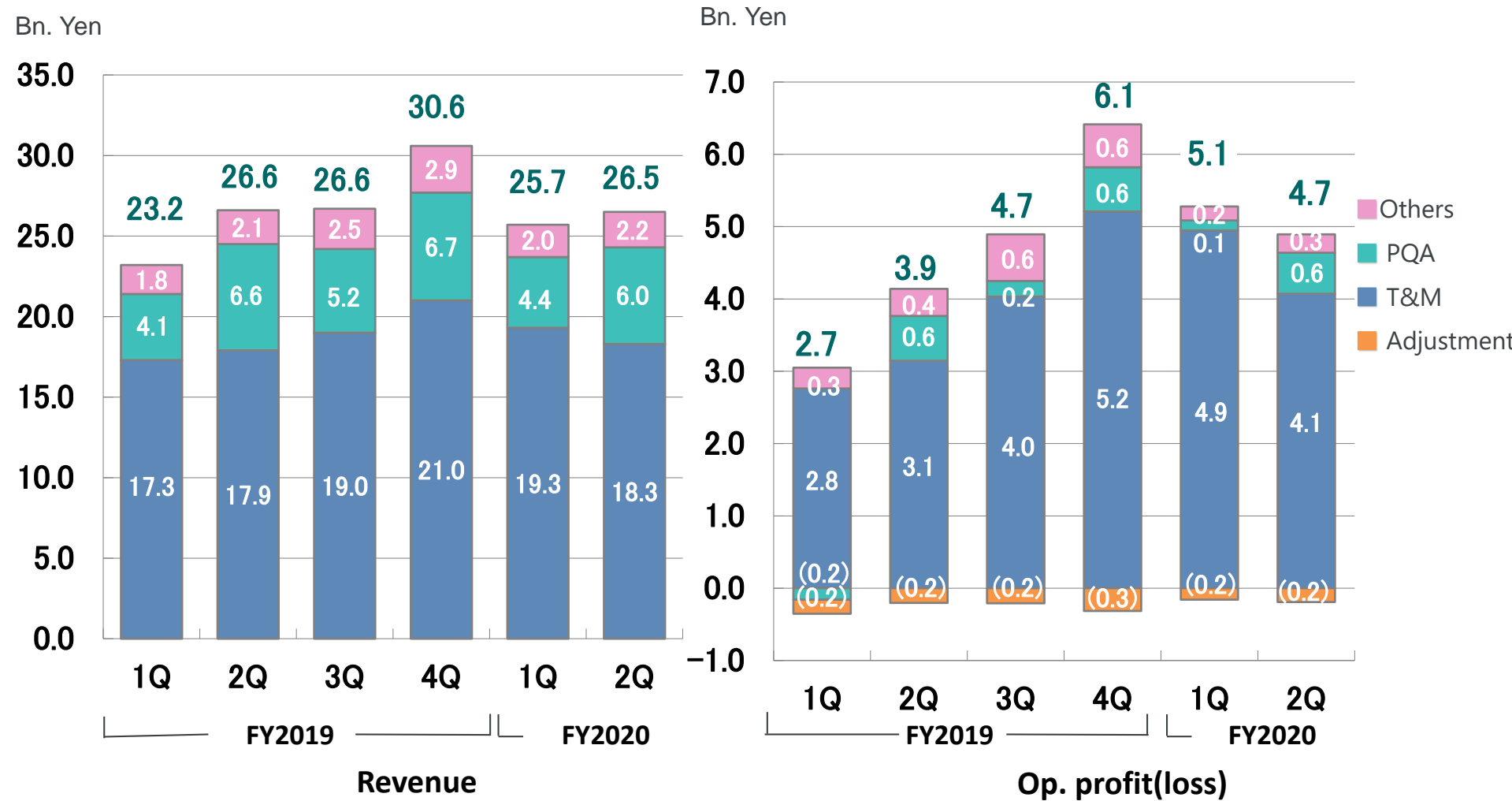
Unit: Billion Yen

		FY2019 (Apr. to Sep.)	FY2020 (Apr. to Sep.)	YoY	YoY (%)
T&M	Revenue	35.2	37.5	2.3	7%
	Op. profit (loss)	5.9	9.0	3.1	52%
PQA	Revenue	10.7	10.4	(0.3)	-3%
	Op. profit (loss)	0.5	0.7	0.2	53%
Others	Revenue	3.9	4.3	0.4	8%
	Op. profit (loss)	0.7	0.5	(0.2)	-21%
Adjustment	Op. profit (loss)	(0.4)	(0.4)	0.0	-
Total	Revenue	49.8	52.2	2.4	5%
	Op. profit (loss)	6.6	9.8	3.2	48%

Note1 : Numbers are rounded off to the first decimal place in each column. T&M: Test & Measurement PQA : Products Quality Assurance
 Note2 : Adjustment includes elimination of inter-segment transactions and non distributed company-wide expenses of each business segment.



V-3. Consolidated performance - Revenue and Op. profit by quarters -

➡ 2Q(Jul.-Sep.) Operating margin : Consolidated 18%, T&M 22 % ,PQA 10%



Note : Numbers are rounded off to the first decimal place in each column.

V -4. Overview of operations by business segment

Segment FY2020 (April to September)	
 T&M: Steady progress for both 5G commercialization schedule and development of high-speed data centers	
Mobile	5G development demand remains steady
Network Infrastructure	Increased investment in data centers, etc.
Asia & Others/Japan	Expansion in investment aimed at 5G commercialization
Americas	Greater focus on 5G service area expansion
 PQA: In the food market, uncertainty about the future due to the spread of the COVID-19 caused some customers to take a cautious approach to capital expenditures.	

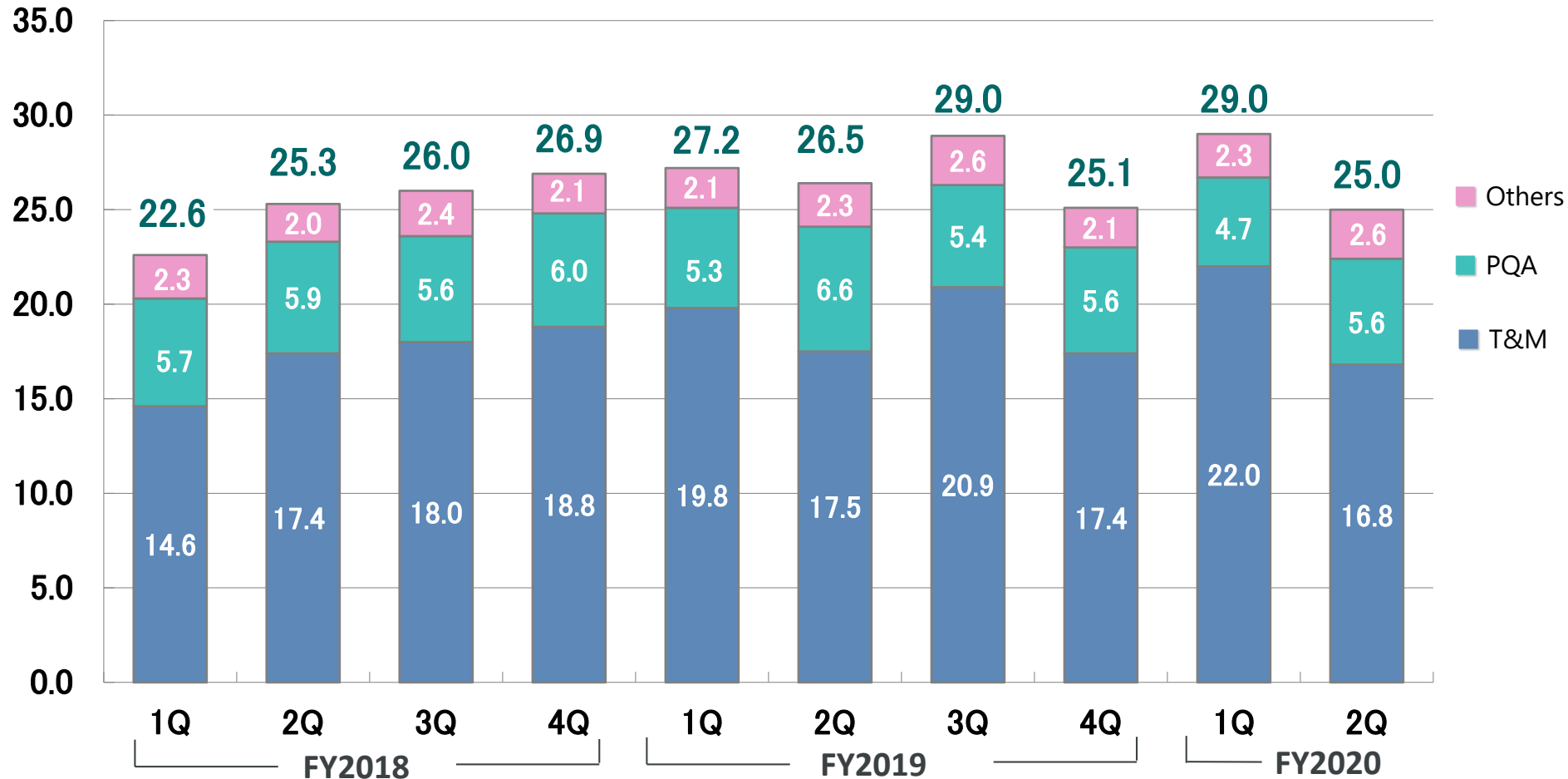
T&M: Test & Measurement PQA : Products Quality Assurance

V-5. Transition of Order Intake

➡ T&M : 4% decrease year on year

PQA : 15% decrease year on year

Bn. Yen

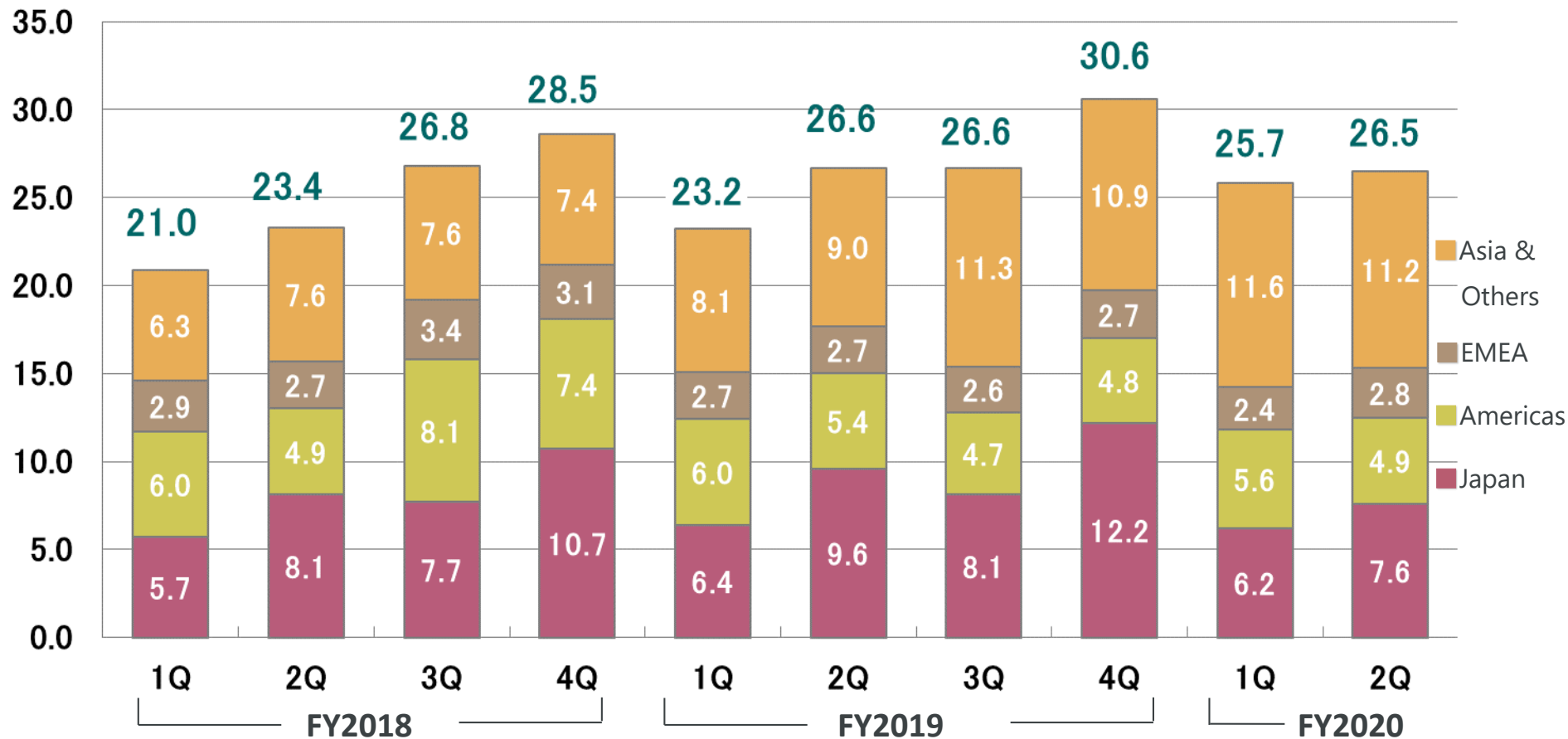


Note : Numbers are rounded off to the first decimal place in each column.

V -6. Transition of Revenue by Region

➡ 5G commercialization and steady demand for data centers in Asia

Bn. Yen



Note : Numbers are rounded off to the first decimal place in each column.

V-7. Cash Flow

 **Operating cash flow margin ratio was 25.6%**

FY2020 2Q

Operating CF : 13.4 Bn. Yen

Investing CF : (2.5) Bn. Yen

Financing CF : (11.2) Bn. Yen

Free Cash Flow

Op. CF + Inv. CF : 10.8 Bn. Yen

Cash at the end of period

47.2 Bn. Yen

Interest-bearing debt

6.6 Bn. Yen

Details

Unit : Billion Yen

Others 2.2*		
Accounts receivable 4.9		
	Depreciation and amortization 2.5	
Profit(loss) before tax 9.7		
Inventory (1.7)	Capex (1.4)	Redemption of corporate bonds (8.0)
Tax (3.0)	Others (1.1)	
Accounts payable (1.2)		
		Dividend (2.7)
		Others (0.5)

* Other main items: Advances received, etc.

Op. CF 13.4

Inv. CF (2.5)

Fin. CF (11.2)

Note : Numbers are rounded off to the first decimal place in each column.

V -8. Forecast for full year of FY2020 (Consolidated)

 No Change since April 27th disclosure

Unit: Billion Yen

		FY2019	FY2020		
		Actual	Forecast	YoY	YoY(%)
Revenue		107.0	110.0	3.0	3%
Operating profit (loss)		17.4	17.5	0.1	0%
Profit (loss) before tax		17.2	17.5	0.3	2%
Profit (loss)		13.4	13.5	0.1	1%
T&M	Revenue	75.2	77.0	1.8	2%
	Op. profit (loss)	15.1	15.5	0.4	2%
PQA	Revenue	22.6	24.0	1.4	6%
	Op. profit (loss)	1.3	1.8	0.5	40%
Others	Revenue	9.3	9.0	(0.3)	-3%
	Op. profit (loss)	1.9	1.2	(0.7)	-37%
Adjustment	Op. profit (loss)	(0.9)	(1.0)	(0.1)	-

Reference : Exchange rate : FY2019 (Actual) 1USD=109yen, 1EURO=121 yen
FY2020 (Forecast) 1USD=105 yen, 1EURO=120yen

Note : Numbers are rounded off to the first decimal place in each column.

Appendix

2020年10月29日公表

Appendix-1. Current Worldwide 5G Situations

*Source: Prepared by the Company based on publicly available information

- China's lead has become clear
- 5G in European market has the possibility of decelerating due to influence of US-China trade conflict
- 5G in Korea has the possibility of stalling due to technical hurdles of millimeter wave applications
- US is catching up by changing policy to pursue sub-6GHz

As of October 2020



Europe

- ⊖ Concern for deceleration of 5G introduction for increased burden on operators due to the movements to remove Huawei by countries such as UK and France.
- Europe Committee is encouraging early introduction of 5G services



Korea

- ⊖ Despite the large number of 5G subscribers of 6.8 million, customers are dissatisfied due to poor connectivity and low price-effective services
- ⊖ Planned introduction of millimeter wave services within 2020 has been postponed



China

- ⊕ 5G subscribers already exceed 100 million.
- ⊕ 410 thousand 5G base stations
- ⊕ 62% of new terminal devices sold in July were 5G capable
- ⊕ 75% of 5G Smartphones worldwide today are made by Chinese manufacturers



US

- ⊖ Slow subscriber growth for 5G millimeter services of VzW
- ⊕ TMO is leaping forward with rapid increase of 5G sub-6GHz subscribers ⇒ VzW and AT&T are changing policies to focus on sub-6GHz
- ⊕ US Government is releasing 3.4-3.5GHz following 3.5-3.6G
- ⊕ iPhone 12 released



India/South East Asia/Oceania

- 5G services have been started in Australia, Thailand, Philippines
- ⊖ India has determined to remove Huawei and ZTE
- Full-scale spread of 5G is predicted to be after 2022



Japan

- 330 thousand of 5G subscribers (as of end of June)
- MIC* has moved 5G base station installation plan forward
- NTT Docomo aims to have 2.5 million subscribers by March 2021 (SoftBank aims 1.8 million by 2023)
- Each operator plan on introduction of SA** services in 2021
- NTT announced to make NTT DoCoMo its wholly owned subsidiary

*MIC: Ministry of Internal Affairs and Communications

**SA: 5G Stand Alone

Appendix-2. Roadmap of 5G

* Created by Anritsu referring to publicly available information

CY2020

CY2021

CY2022

CY2023

Rel.16

Rel.17

Rel.18



Rel.16 Chip development

Rel.17 Chip development

Rel.15 Commercial device development

Rel.16 Device development

Rel.17 Device development



Launch a service



Under investigation

(As of the end of Sep. 2020.
Selected major countries)

Appendix-3. Digest of Rel-16 & Rel-17

*Source: Prepared by the Company based on publicly available information



CY2018

CY2019

CY2020

CY2021

Release15

Release16

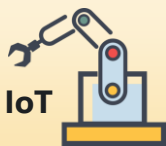
Release17



Extreme Mobile Broadband

Ecosystem Growth

Industrial IoT



- 5G system resilience (securing multiple paths by CoMP, multi-TRP, etc.)
- **NR-U**: Use of unlicensed spectrum (5GHz band, 6GHz band)
- Local 5G (introduction of non-public network system)

Automobile, etc.



- Enhancement of URLLC
- Support of time synchronization for TSN★
- High-precision positioning function (within several meters)

- **5G V2X**: Enhancement of C-V2X

Broadband enhancement

Network deployment



- **IAB**: Integrated Access and Backhaul (mmWave using inter-BS communication)
- Wireless-wireline convergence

Device enhancement



- Device power saving
- Enhancement of Massive MIMO (multi-user MIMO)

- **"NR-Light"** for Industrial IoT (for MTC; monitoring cameras and wearable devices, etc.)
- NR-U of 60GHz band

- High-precision positioning function (within several decimeters)

- **Sidelink Communication** enhance (inter-device communication without BS)
- Multi cast for V2X
- Non-terrestrial networks (satellite, etc.)

- Use of frequencies exceeding 52.6GHz (extension to 71GHz)
- Network slicing enhancement
- Network automation enhancement

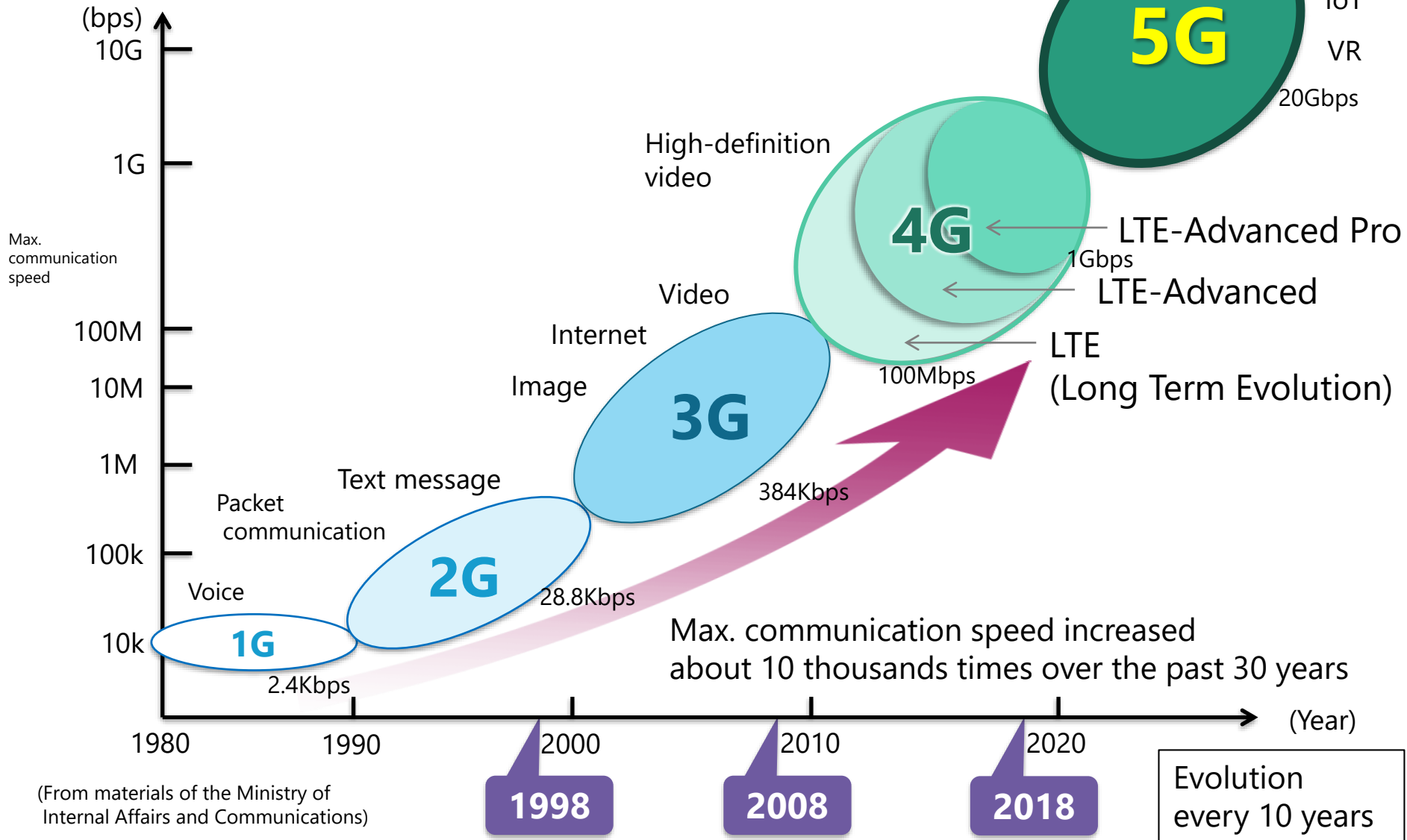
- Further device power saving
- Further enhanced MIMO
- Multiple USIMs
- Cloud gaming QoS

NR-U: NR-Unlicensed

★TSN (Time Sensitive Networking) : A standard originally used for networks that guarantees synchronization of time and real-time performance in Ethernet communications.

Appendix-4. Evolution of mobile communication

Supporting evolution of mobile communication system



Appendix-5. Contributing to the establishment of 5G network infrastructure

Features of 5G : 1/10×Latency

100×Peak Data Rate

100×Capacity

Smart Devices



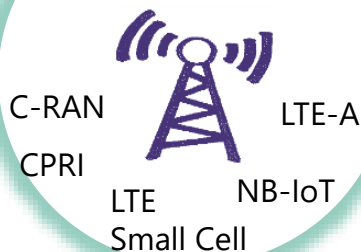
R&D and Manufacturing Solution for IoT Device/Module



IoT Device / Module Measurement

Mobile Networks

5G New RAT



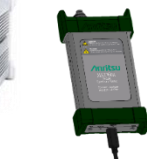
Support for Mobile Network by Widespread products ranging from RF to optical



**Spectrum Analyzer
Signal analyzer**



BTS Master



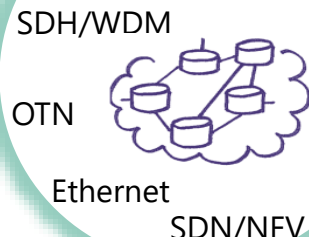
New HH SPA



OTDR

Fixed Networks

100G/400G



Support for high-speed 100G/400G communications



40G/100G Analyzer

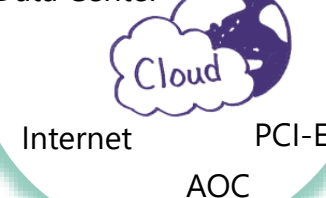


400G Analyzer

Cloud

40G/100G

Data Center



Continued world leader in bit error rate test



BERTWave Series



**eoSight
Big Data Analytics**

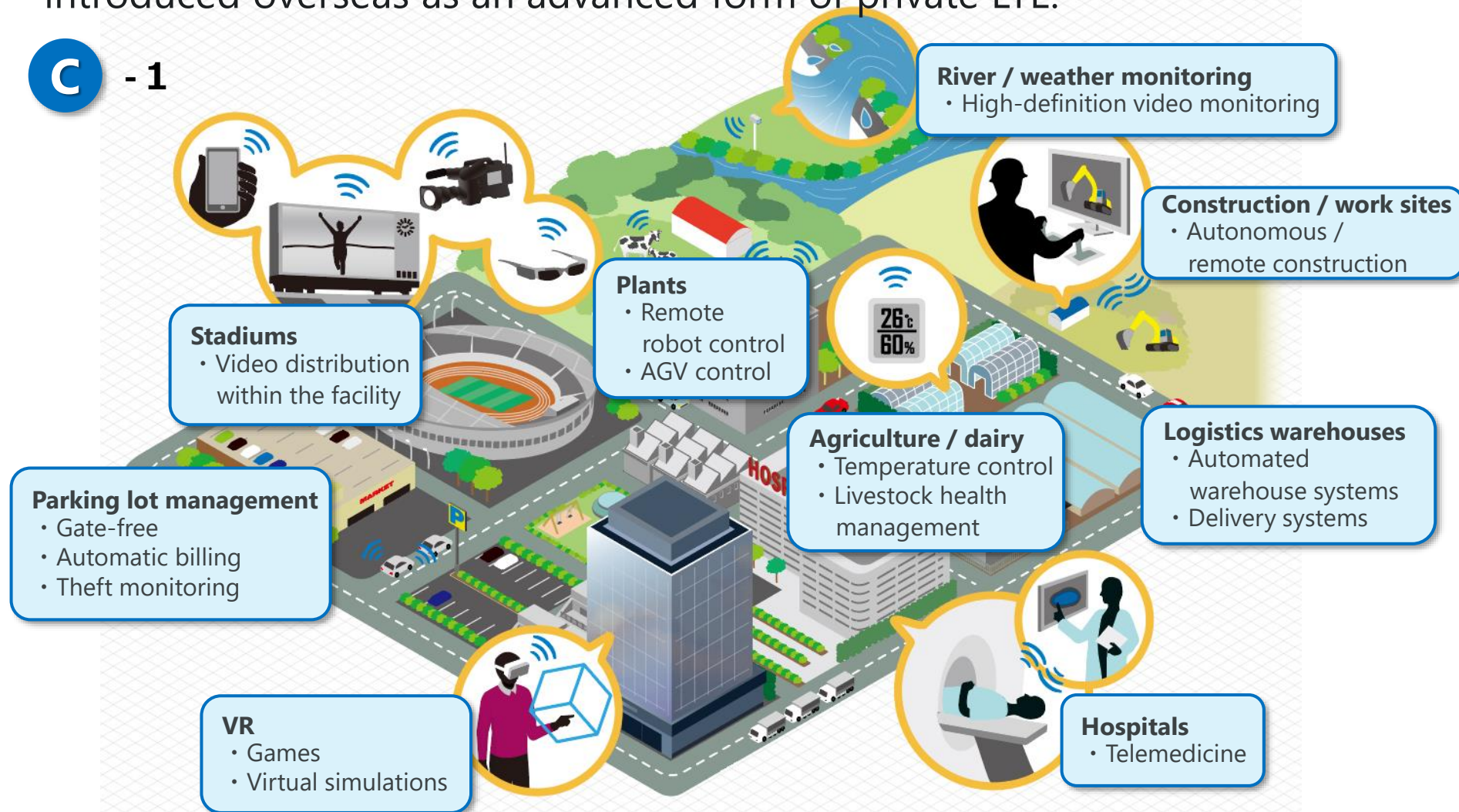
Signal Quality Analyzer



Appendix-6. Local 5G

Local 5G has been newly introduced in Japan and is expected to be introduced overseas as an advanced form of private LTE.

C - 1



AGV: Automatic (Automated) guided Vehicle

Source: Local 5G Review Working Group Report Draft, Land Mobile Communications Division, Telecommunications Bureau, Radio Department, Ministry of Internal Affairs and Communications

Appendix-7. Application of Local 5G in Anritsu Products

Latency measurements in remote operations

Measurement of **latency** in remote operation of robots



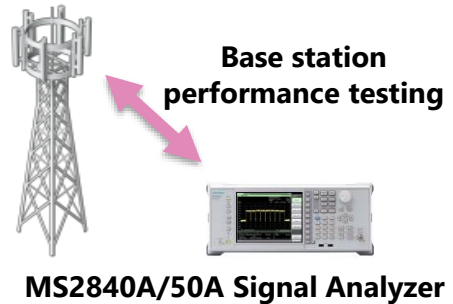
MT1000A Network Master Pro

Base station performance testing and communication area measurements

Measurement of electric field strength in the communication area



ML8780A/81A Area Tester



MS2840A/50A Signal Analyzer

Measurement of cellular interference

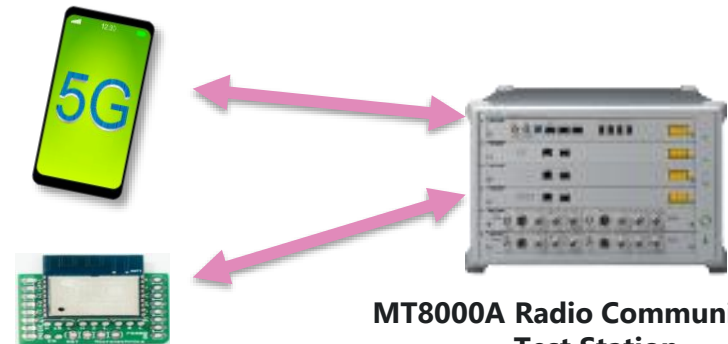
Measurement of cellular interference due to overlapping local 5G areas



MS2090A Field Master Pro

Device and sensor module performance testing

Testing of device and sensor module radio characteristics and protocol



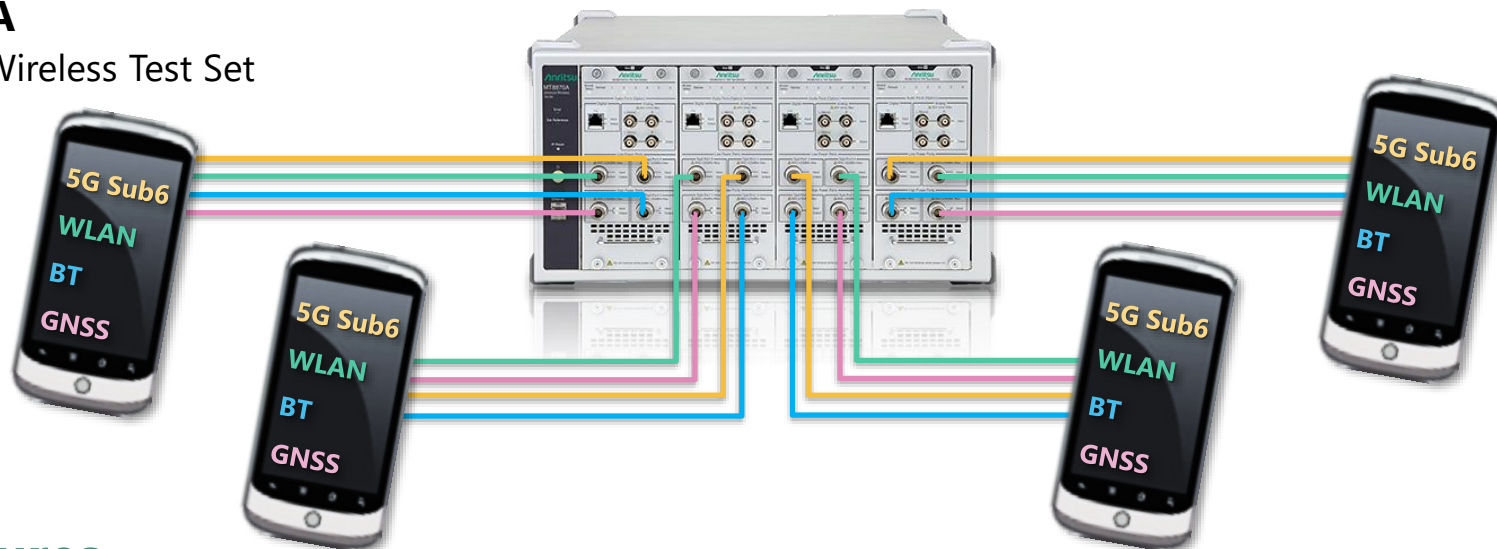
MT8000A Radio Communication Test Station

Appendix-8. Manufacturing Solution for 5G Sub 6GHz devices

Test instruments for mass production of 5G Sub-6GHz smartphones

MT8870A

Universal Wireless Test Set



■ Features

Simultaneous testing of multiple antennas and parallel testing of 4 devices significantly increase production efficiency.

- Parallel testing of multiple radio technologies (Cellular/WLAN/BT/GNSS) embedded in a smartphone
- Simultaneous testing of up to 4 smartphones

■ Target Market

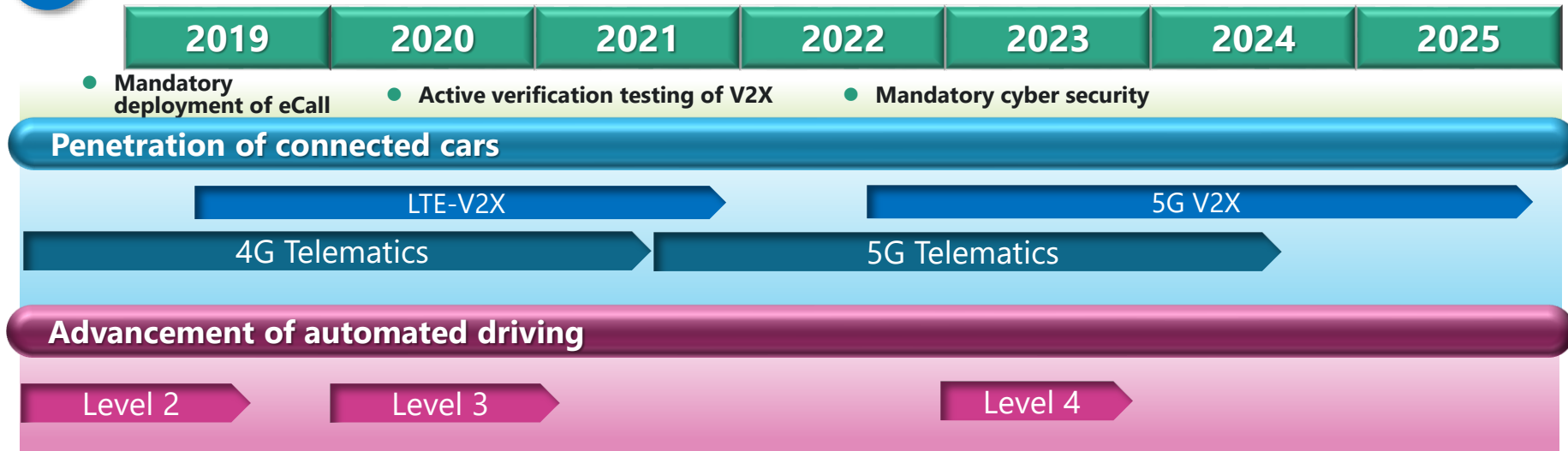
- Smartphone manufacturing market, Connectivity/IoT manufacturing market

■ Target Customers

- Smartphone/mobile device vendors, EMS

Appendix-9. Introduction of new technologies in the automotive market and Anritsu's initiatives

C - 2

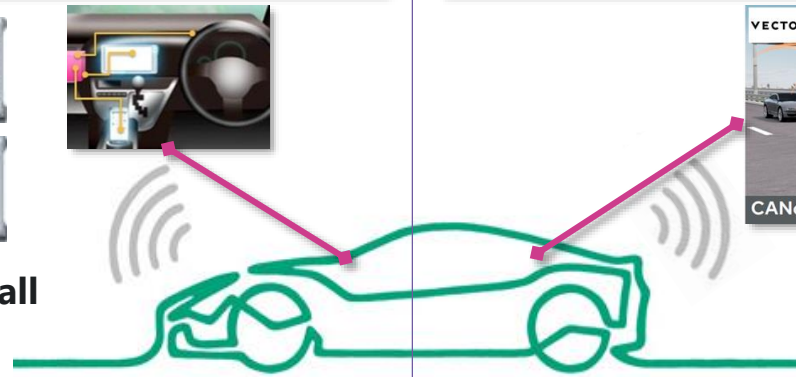


Connected cars / V2X

V2X (vehicle -to-vehicle / Road-to-vehicle communication)

Mobile network simulator

- UNR-144 (eCall), NG eCall
- Cyber Security
- V2X (802.11p, C-V2X)



Building in V2X into HILS with major vendors for autonomous driving

VECTOR

CANoe.Car2x

V2X interface on HIL (5G NR NSA) Sub-6 GHz

Focus on testing V2N applications:

- Mobility scenario
- Handover
- Connection loss
- Data throughput

Hardware components:

- Core network + 4G E-UTRAN
- 5G NR NSA
- 5G NR NSA
- 5G NR NSA

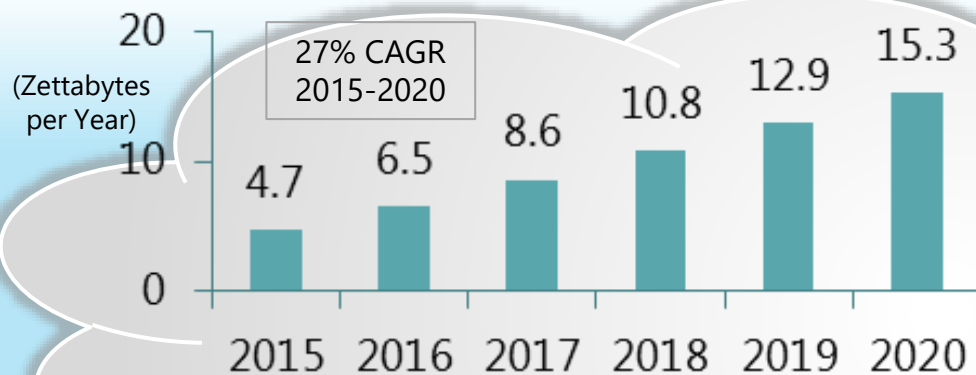
Real-time simulator

Preserve

5SPACE

Appendix-10. Test Solutions for support of Cloud Service expanding

Data traffic extending explosively



Global Data Center Traffic Growth
Source: Cisco Global Index 2015-2020



Data Center



- Expansion of Data Center
- Higher- speed
- Larger- capacity
- Conversion to fiber optics

DCI
High speed communication
10GE/40GE → 100GE/400GE

Data Center



Main Competitors

Keysight

Viavi (formerly known as JDSU)

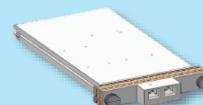
R&D



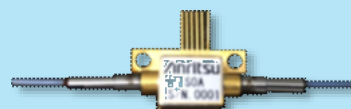
Equipment (Router, Switch)
vendors in Data Center



Optical module
vendors



Optical device
vendors



Manufacturing, I&M



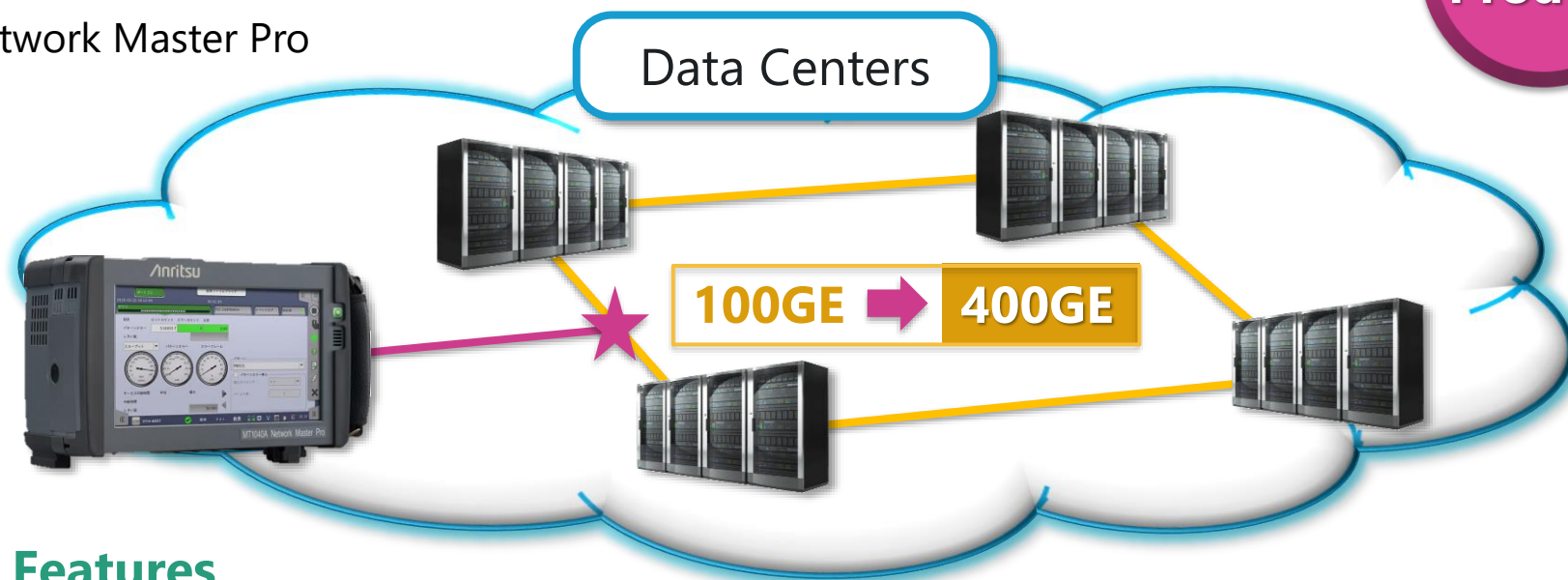
Appendix-11. Speeding Up Solutions for data centers

Portable measuring instrument supporting 400G Ethernet

MT1040A

Network Master Pro

New
Product



■ Features

Verification speeding up Data Centers upgrades 100G Ethernet ➡ 400G Ethernet

■ Target markets

- Communication networks and data centers

■ Target customers

- Telecom carriers, communication network installers, communication equipment maintainers, network device vendors

Appendix-12. Solutions for pharmaceutical market

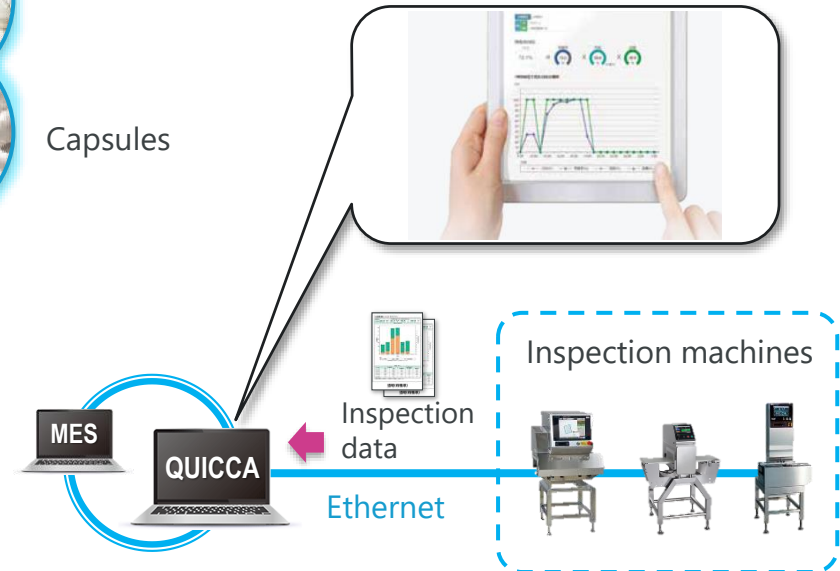
Metal detectors for pharmaceutical market

KDS1004PSW Metal detectors for pills and capsules



Quicca Pharma

Comprehensive quality control management system for pharmaceuticals



■ Features

Detects metal in pills and capsules with high sensitivity and determines pass/fail.

- Can detect metal fragments down to 0.1 mm

■ Customers

- Pharmaceutical companies

