Financial Results for the 3rd quarter of the Fiscal Year ending March 31, 2019

Akifumi Kubota

Director Senior Vice President CFO Anritsu Corporation January 31st, 2019





TSE code : 6754 https://www.anritsu.com



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



## Agenda

- I. Outline of our business segments
- II. Consolidated performance review of the 3rd quarter of the Fiscal Year ending March 31, 2019
- III. Outlook for full year of the fiscal year ending March 31, 2019 (Consolidated)

# Appendix

Latest Trends in 5G and Anritsu's Test Solutions

# I . Outline of our business segments



#### (Revenue by business segment) 86.0 Billion Yen consolidated revenue in FY2017

	T&M 63%	PQA	Others		
Mobile 45%	Network Infrastructure 32%	Network InfrastructureElectronics32%23%		11%	
(Sales of T&M b	usiness by region in FY20	17)			
Japan 20%	Asia & Pacific 38%			EMEA 19%	

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

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# II -1. Consolidated performance - Financial results -

> Year-on-year growth in revenue and profit

Unit: Billion Yen

International Financial Reporting Standards (IFRS)	3Q FY2017 (Apr. to Dec.)	3Q FY2018 (Apr. to .Dec)	YoY	YoY (%)
Order Intake	64.2	73.9	9.7	15%
Revenue	62.3	71.1	8.8	14%
Operating profit (loss)	2.7	7.7	5.0	189%
Profit (loss) before tax	2.6	7.9	5.3	198%
Profit (loss)	1.5	6.3	4.8	326%
Comprehensive income	3.0	6.5	3.5	118%

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



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

T&M: Increase in revenue and profit through investment in initial 

Unit: Billion Yen

development for 5G International Financial Reporting Standards (IFRS)		3Q FY2017 (Apr. to Dec.)	3Q FY2018 (Apr. to .Dec)	YoY	YoY (%)
T&M	Revenue	40.1	48.6	8.5	21%
	Op. profit (loss)	0.9	6.5	5.6	631%
	Adjusted operating profit (loss)	1.2 *	6.5	5.3	453%
PQA	Revenue	16.1	16.6	0.5	3%
	Op. profit (loss)	1.3	1.0	(0.3)	-23%
Others	Revenue	6.0	5.9	(0.1)	-2%
	Op. profit (loss)	0.9	0.7	(0.2)	-19%
Adjustment	Op. profit (loss)	(0.4)	(0.6)	(0.2)	-
Total	Revenue	62.3	71.1	8.8	14%
	Op. profit (loss)	2.7	7.7	5.0	189%

Note1 : Numbers are rounded off to the first decimal place in each column.

Note2 : Adjustment includes elimination of inter-segment transactions and non distributed company-wide expenses of each business segment.

Note3 : Way to allot headquarter administrative expenses to each business segment changed from the year ending March 31, 2019 and figures of operating profit for the year ended March 31, 2018 are restated.

\*Adjusted operating profit for T&M is the amount after deducting 0.3 billion yen in restructuring expenses in the U.S.

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



Note1 : Numbers are rounded off to the first decimal place in each column.

Note2 : "Adjustment" is included in segment "Others" within the Op. profit(loss).

# II -4. Overview of operations by business segment

Segment	FY2018 3Q (April to December, 2018)		
<b>T&amp;M</b> : Concrete roadmap for 5G commercialization			
	LTE- Advanced	Trend toward focusing investments on LTE-Advanced Pro	
Mobile	5G	Development demand materialized for chipsets and devices	
Network Infrastructure Capital investment within US market was strong			
Asia	Commercialization testing seen in China 5G (Sub6GHz)		
Americas	Initial 5G development demand grew steadily		
<b>PQA</b> : Continued strong investment by food market for quality assurance, automation, and labor saving both in Japan and overseas			

T&M: Test & MeasurementPQA : Products Quality Assurance

# II -5. Transition of Order intake

T&M : 34% growth year on year



Bn. Yen



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# II -6. Transition of Revenue by region

Increased revenue from investment in initial development for 5G



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

## II -7. Cash Flow



# III -1. Forecast for full year of FY2018 (Consolidated)

Upward revision in revenue and profit forecast for T&M

Unit: Billion Yen

International Financial Reporting Standards (IFRS)		FY2017			FY2018				
			Full Year						
		Actual	Previous Forecast	Previous Forecast	Revised Forecast	ΥοΥ	YoY(%)		
			(as of Apr. 26 2018)	(as of Oct. 31 2018)					
Revenue	Revenue		92.0	92.0	98.0	12.0	14%		
Operating pro	Operating profit (loss)		6.6	7.0	11.0	6.1	124%		
Profit (loss) before tax		4.6	6.6	7.0	11.0	6.4	139%		
Profit (loss)		2.9	5.0	5.5	8.5	5.6	193%		
ΤΟΝΛ	Revenue	54.4	60.0	60.0	66.0	11.6	21%		
T&M	Op. profit (loss)	2.1	3.5	5.0	9.0	6.9	319%		
	Revenue	22.5	23.5	23.5	23.5	1.0	4%		
PQA	Op. profit (loss)	2.0	2.0	2.0	2.0	0.0	2%		
Others	Revenue	9.0	8.5	8.5	8.5	(0.5)	-5%		
	Op. profit (loss)	1.5	1 1	0.7	0.7	(0.8)	-52%		
Adjustment Op. profit (loss)		(0.7)	1.1	(0.7)	(0.7)	0.0	-		

Note 1: Numbers are rounded off to the first decimal place in each column.

Note 2:"Others" and "Adjustments" in this segment information are displayed together as "Others" in the previous forecast (announced on April 26,2018).

FY2018 2H (Forecast)

Reference : Exchange rate : FY2017 (Actual) FY2018 (Initially Forecast)

1USD=111 yen, 1EURO=130 yen 1USD=105 yen, 1EURO=125 yen 1USD=105 yen, 1EURO=125 yen



# III-2. Dividend forecast, ROE

2015/3

#### Annual Dividend 17 yen $\rightarrow$ 22 yen Increase (Interim dividend 8.5 yen, Year-end dividend 13.5 yen) in dividend **Dividend per share Payout ratio** Profit FY2018 (Forecast) 22yen 8.5 B yen 35.5% 10.2% Yen ROE(%) 30.0 10% 4.9% 15.0 5% 3.5% 3.7% 24 yen 24 yen 15 yen 15 yen 22 yen 0.0 0%

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2019/3

(FORECAST)

2017/3

2018/3

2016/3

# Appendix Latest Trends in 5G and Anritsu's Test Solutions





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

 Financial Results FY2018 3Q Copyright© ANRITSU

### Appendix-2 Roadmap of 5G



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# Appendix-3 5G Band Allocations in the World



Appendix-4 Current status and outlook for major 5G vendors and operators

2018 2019	2020 2021
<b>★ 3GPP Release 15</b>	★ 3GPP Release 16
Chipset	
Qualcomm(America) MediaTek (Taiwan) Samsung (Korea) Intel (America)	Next Chipset
Device	
Samsung LG (Korea) (Korea) Motorola Huawei (China) (America) Sony (Japan) Sharp (Japan)	Next Device
Operators	
Verizon (America) CMCC (China) AT&T Docomo (Japan) (America) KT, SKT (Korea)	We expect full-scale commercial service to begin in 2020 or later.

\*Created by Anritsu, with reference to materials from "Public Meeting for Exchanging Opinions on Radio Policy (58th Meeting)," issued by the Ministry of Internal Affairs and Communications (September 21, 2018), as well as other publicly available information.



### Appendix-5 5G device development/manufacturing process and test solutions



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