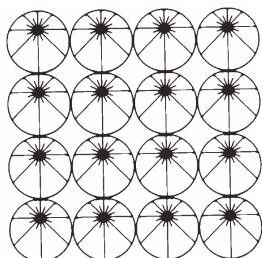


## Foreword



# Challenging New Business Fields for Super-Smart Society

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In November 2016, two agenda items were discussed at the future business and technology working group of KEIDANREN (Japan Business Federation) —"Government Actions for Artificial Intelligence", and "Urgent Proposals for Achieving Society 5.0". During these discussions, Chairman Anzai of the Japan Society for the Promotion of Science Artificial Intelligence Technology Strategy Group explained the bright future and growth of Japan based on achieving Society 5.0 through R&D of Artificial Intelligence (AI) as the foundation of a strong basis leading to future society. The Anritsu Group is playing a key role in deployment of 5G technology supporting fifth-generation mobile terminals and wants to develop core technologies in new business fields targeting a future society making active use of AI, big data, and the Internet of Things (IoT).

Our main measuring instrument business focus starts by offering solutions to makers of 5G mobile terminals, base stations and chipsets, but is now beginning to look at businesses other than smartphones supporting a super-smart society (Society 5.0), such as automobiles, smart devices, etc., contributing to development of 5G networks supporting IoT as a whole. In our Products Quality Assurance (PQA) business playing a role in securing safe and stable food resources, we are endeavoring to improve the detection sensitivity of our contaminant inspection systems to take quality assurance management to the next level. In addition, in January 2017, we established the Informatics Originating Center at the Technical Headquarters to promote AI technology

developments utilizing valuable digital data. Part of these technology developments forming the foundation of this work is described in these Anritsu Technical Review which I hope will introduce a little of what Anritsu does.

The previous edition (No. 24) introduced technologies as a feature on 5G. This edition offers a glimpse into the work in the development sections of each these business sections as well as some explanation of the technical content of each development center. We are promoting the R&D so that we can describe technologies of the future new business fields described above in Anritsu Technical Review. Anritsu plans to expand its field of activities from the present business areas. However, acquiring new technologies is difficult by oneself and we are exploring open innovation as one possible solution for technology acquisition. I will be happy if Anritsu Technical Review can help form new contacts with customers as part of this open innovation business cooperation.

