R&D toward "Secure, Safe, and Convenient" Platforms for Providing Applications on NTT's Network Services

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NTT Information Sharing Platform Laboratories has been leading the way in technologies and application platforms for NTT's network services to create new value for our customers through R&D. Our Laboratories have three main characteristics: First of all, they have been providing technology for "secure, safe, and convenient" network services through our intensive R&D activity in the field of application platforms, network security, and information processing security including encryption technology. Secondly, they cover the whole range from fundamental research to practical development for immediate business requirements. Our advantage comes from a structure in which tiers mutually cooperate, sharing common requirements and technical outputs. For instance, we have research teams working on the basic research of encryption algorithms as well as development teams that integrate such results to strengthen NTT's services. Thirdly, our activities are not limited to the scope of technology but have a broader perspective that considers the results of social sciences such as law and sociology. We have a dedicated research team for evaluating social impacts of new technologies and services to determine the requirements of our technologies. That is essential because we want to develop technology that is truly appreciated by society.

We will promote R&D through the strategy of making the best use of these characteristics. We will utilize the first characteristic when we focus on the technology needed for the "secure, safe, and convenient" platforms for providing applications on the Next Generation Network, which is among the principal measures for promoting NTT Group's medium-term management strategy. In particular, development for enhanced security, strong and flexible authentication, and connectivity with information appliances will be a key feature of the network. Through this process of promoting R&D we must make use of our second characteristic to strengthen the process in which we share knowledge between fundamental research and practical development, binding them together in an integrated manner to provide practical benefit for the user. As for the management aspect, we will maintain our approach of rapidly understanding user demand in the market and concentrate our R&D resources on responding to it. For this, our third characteristic of utilizing social sciences will help us to view our market broadly and specify requirements for our technologies. Furthermore, we will place these activities always near the forefront of our business to discover the actual demand. We are making efforts to deal with the requirements coming directly from our customers, so that we can produce truly competitive products in the market.

Our Laboratories will continue to make substantial technical contributions to "secure, safe, and convenient" network services. By broadening our view and integrating our abilities, we will keep on creating value from our technologies through their wide acceptance in society.