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TOPIC

MIC has been holding roundtable meetings to discuss the direction of policies for realizing desirable Beyond 5G.

1. Beyond 5G

Currently brand new 5G services are to be launched, while Beyond 5G technology as the generation next to 5G technology is expected to be introduced around 2030.

The smooth introduction of Beyond 5G is indispensable for the further progress of Society 5.0 and vital for sustainable economic growth. Discussions on Beyond 5G are starting in other countries. For Japan to be deeply involved in the process of formulating international standards, it is necessary to start early efforts to develop a comprehensive strategy (roadmap) for Beyond 5G based on the needs and progress of technology expected at the time of its introduction.

Accordingly, MIC has been holding roundtable meetings to discuss the direction of policies for realizing desirable Beyond 5G. This roundtable meetings aim to formulate a comprehensive strategy (roadmap) for Beyond 5G and to examine what is expected of telecommunications infrastructure in the society of the 2030s, where the introduction of Beyond 5G is expected.

2. The main considerations are the following four points.

- (1) Desirable communications infrastructure in the 2030s
- (2) Key technologies to realize Beyond 5G
- (3) Desired environment for the smooth introduction of Beyond 5G and strengthening international competitiveness
- (4) Policy direction to realize all the above items.

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3. Beyond 5G Promotion Strategy Roundtable

The first meeting of the Beyond 5G promotion strategy roundtable was held on Wednesday, January 27 of this year.

At the first meeting of the roundtable, the Secretariat presented the current status of 5G initiatives in Japan, trends in other countries, technologies required for Beyond 5G, issues to be addressed, and participants in the roundtable made the following comments.

- Low power consumption is essential for sustainable communication systems.
- A society where people are free from constraints on time, space, and body should be realized.
- Due to great technological innovation, existing systems, including legal systems, need to be adapted accordingly.
- International cooperation must be considered first.

In the future, MIC will advance its study with consideration of the discussions of a study working group established under the roundtable and interviews with private business operators, and formulate a comprehensive strategy for Beyond 5G by the summer of this year.

Roundtable Meetings on Strategies for Promoting Beyond 5G

1. Background

- **Beyond 5G**, the next generation to 5G, is expected to be launched **around 2030**. The Smooth launch of Beyond 5G is essential to the further development of Society 5.0, a data-driven society, as well as for strengthening Japan's international competitiveness.
- Establishing **comprehensive strategies and a roadmap based on the needs and technological development of society at the time of implementation is essential**.
- As discussions on Beyond 5G have just started in other countries, **promptly launching discussions for comprehensive strategies on Beyond 5G is essential** in terms of deeply committing to a process on establishing international standards.

2. Agenda

- **Identifying:**
 - **Desirable communications infrastructure** for society in the 2030s.
 - **Key technologies for Beyond 5G** in terms of wireless technology, network technology, and information processing technology.
 - **Environment required for smooth implementation of Beyond 5G and strengthening international competitiveness.**
- **Making initial strategies** for the issues outlined above.

3. Discussion Framework

- Establishing a roundtable under the Minister for Internal Affairs and Communications, and to set up a working group made up of experts to discuss each topic.
- Chaired by Makoto Gonokami, President of the University of Tokyo.

4. Schedule

