Basic Concept for Realizing a Digitally Resilient Society

As an urgent measure to prevent the spread of COVID-19 infections, it is necessary to make full use of ICT and digital data to reduce human contact opportunities, in order to protect employment and businesses.

Furthermore, the recent spread of infections requires fundamental changes in the way society is maintained, including changes to enable people to continue working, studying, and daily lives while ensuring social distance.

In order to revitalize Japanese economy, we must convert the crisis into opportunities and strongly promote digital resilience as the driving force of social change.

Preventing the spread of COVID-19

- Preventing the spread of infections using ICT and digital data by 1) introducing an smartphone application that notifies people who may have come into close contact with coronavirus carriers, 2) visualizing the structure of hospital medical services, 3) providing related information to the public
- Securing due consideration on protecting personal data and privacy

Social Structure Change with Digital Resilience—Behavioral Changes of the Entire Society (Medium- and Long-term Efforts)

- Promoting reforms of work style, learning and lifestyle, it is necessary to establish digitally resilient society so that society can function and the economy can grow even in the phase of long-term declines in human contact opportunities.
- Redesigning regulations optimized for digital society is promoted along with the development of digital infrastructure, data distribution environments and digital government. It is essential to establish a digitally inclusive society where no one will be left behind, including small and medium-sized business and elder/disabled people.
- The My Number card system is the basis for digital society. Most residents will have their My number cards by FY 2022. My number card system will be used for the system against infectious natural diseases and disasters as well as health insurance. My Number point program is starting for revitalizing economy.

Telework
Education
Health/Medical
Childcare/Nursing
Economic/Corporate activities

Working style reforms
Learning reforms
Lifestyle reforms

Regulatory redesigning (revision of regulations that hinder the promotion of digitalization)

Improvements in telecommunications infrastructure
**Efforts related to Countermeasures against COVID-19 using ICT**

1. **Infectious disease control support from a macro perspective**
   - Grasping the flow of people and the effect of infectious disease control in a macro manner through initiatives such as the following:
     - Utilizing statistically processed data, including location information held by mobile phone operators and platformers, and information on the number of people passing through the ticket gates of public transportation
     - Cluster tendency analysis using search results on search sites

2. **Support for new lifestyles**
   - It is necessary to support changes in behavior in people’s daily lives with the initiatives specified below under a public-private partnership. These initiatives will promote people to avoid areas that are crowded with people as well as to avoid contact with persons who have been in close contact with COVID-19 carriers.
   - The development and popularization of mobile applications that record the history of people who have come into close contact with COVID-19 carriers by exchanging signals (over a Bluetooth interface) between smartphones and notifying those who may have been in close contact with carriers.
   - Analyzing the movements of people at specific stores and parks and support actions to avoid crowding as much as possible.

3. **Support for medical institutions**
   - The Ministry of Health, Labor and Welfare and the Cabinet Secretariat started constructing and operating an information collection system for approximately 8,000 medical institutions nation-wide. This has made it possible to understand the supply and personnel situation, and the administration status of approved drugs.
   - The Ministry started establishing and operating a system to support the grasp and control of infections at health centers and medical institutions. This allows infected people to report their health status with ease on their smartphones. The report of outbreak notifications from medical institutions and the sharing of information with public health centers is accelerated.

4. **Promotion of information dissemination through open data**
   - The government is promoting open data policy as follows:
     - Developing a website that transmits and publishes the number carriers and the number of inspections performed as open source data
     - Aggregating and opening various public and private support measures as open data, with consideration for people’s self-control, including refraining from going out.