Revised World's Most Advanced IT Nation Declaration and Process Table—Summary

I. Basic Principles

- **2013: Created a government CIO system, start inter-ministerial measures, and adopted the Declaration to be the World's Most Advanced IT Nation ("IT Declaration")**
- **2014: Revised the IT Declaration**

⇒ **The IT Declaration was revised in light of the rapid advances in the adoption of IT over the past two years.**

Current Conditions Japan is implementing new economics policy package (Abenomics) , consisting of the "three arrows" strategy—bold monetary policy, flexible fiscal policy, and a growth strategy that promotes private investment. In conjunction with development and investment for the Tokyo 2020 Olympic and Paralympic Games, expectations for the future are rising and the economy is on a recovery path. At the same time, it is necessary to address various issues including preparing for the formation of a superannuated population, a shrinking workforce, rising social insurance benefits, disaster countermeasures, and aging social infrastructure.

1. The Use of Information Technology, the Key to Japan's Rejuvenation

○ It is positioned as an engine of growth as a foundation of the growth strategy, and under the minister responsible for IT, vertical organization of ministries and agencies will be broken down to take inter-ministerial measures. Over the past two years, measures have been taken to build foundations for IT use and promote its use, and those foundations are nearing completion.

Representative Results to Date

- Measures to integrate and eliminate government information systems and adopt cloud-based systems based on business process reform (BPR) will cut operating costs by approximately 20% with a current target of FY 2021 (approximately ¥90 billion annually) (the target is 30%), and the number of government information systems is expected to be reduced by approximately 60% by FY 2018 (the target is 50%).
- Measures to encourage use of **the Social Security and Tax Number System** including system reforms for smooth introduction of the Social Security and Tax Number System, and development of the Disclosure System of Personal Information Cooperation Record function and requirements.
- Submission of a bill to amend **the Personal Information Protection Act** in order to encourage use of personal data while protecting personal information.

2. Pursuit of "true affluence" with the world's leading Problem-Solving IT Utilization

○ With advances in IT and increasing volumes of data in circulation, we are entering the era of the Internet of Things (IoT) and artificial intelligence (AI).

○ By creating unprecedented problem-solving IT use models for the use of these technologies while ensuring security, true prosperity that the public can sense will be achieved.

3. Four Pillars of Problem-Solving through IT Utilization

○ From the perspectives of deepening **general applicability and continuity through standardization** (inter-disciplinary deployment) and the **spread of innovation in various fields**, which are unique features of IT use, the optimal society that we want through the use of IT will be clarified and measures necessary to achieve it will be taken based on the following four pillars:

(1) A society that grows toward the future through more intensive by utilizing IT
(2) A dynamic society that invigorates communities, people, and jobs by utilizing IT
(3) A society where people experience safety, security, and prosperity by utilizing IT
(4) A society where one-stop public services are available by utilizing IT

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II. The Society that Japan Should Seek to Become III. Measures to Become that Society

To become the world's most advanced IT nation by 2020 and deploy the results internationally, measures will be taken based on the following **four pillars**.

* By using IT, an engine of growth, contributions will be made to carrying out the Japan Revitalization Strategy, the government's growth strategy.

1. A society that grows toward the future through more intensive by utilizing IT ⇒ Target: Develop systems to encourage the use of IT through the national and local governments

- ○ Develop new **IT utilization environments**: Investigate new legal systems to accelerate IT use (new*)
- ○ **Review regulations and systems** that impede expanding the scope of IT use: Develop environments for the use of personal data
- ○ Make Public Data Available to the Private Sector (**Open Data**): Promote problem-solving open data (new*)

2. A dynamic society that invigorates communities, people, and jobs by utilizing IT ⇒ Target: Create jobs in local communities and invigorate local economies

- ○ Implement "**IT utilization plan for regional revitalization**"
  Develop information sharing infrastructure, analyze and use information using RESAS and social networks, and support dispatch of IT personnel by government CIOs and persons with experience with successful projects (new*)
- ○ Create entrepreneurship: Create regional IT startup funds, discover IT personnel, and so on to support startup companies and other companies (new*)
- ○ Diversify work formats and achieve a work-life balance: Encourage telework from local communities (new*), review Hello Work operations and systems to reinforce support for job-seeking functions

3. A society where people experience safety, security, and prosperity by utilizing IT

- ○ Create a healthy society of longevity through the provision of appropriate local healthcare and nursing care and promotion of good health ⇒ **Target: Increase the healthy lifespan of the public by at least one year by 2020**
  --- Deploy the regional medical information networks nationwide and use various types of medical and healthcare and related data to improve health and prevent the occurrence of disease and serious conditions
- ○ Use It to make Japanese **agriculture** and peripheral industries into advanced knowledge industries and develop them internationally ⇒**Target: Agricultural, forestry, and fishery exports of 1 trillion yen**
  --- Encourage the creation of agricultural information and implementation of strategies to support circulation of that information (support AI agriculture, the use of agricultural IT for wildlife harm countermeasures, and so on)
- ○ Create the world's safety and most environmentally-friendly economical **road transport society** ⇒**Target: Start operation of fully autonomous driving systems in the late 2020.**
  --- Formulate and implement the Public-Private ITS Concept and Roadmap 2015 (support mobility of senior citizens and others, build advanced ITS in the lead up to the Tokyo Olympic and Paralympic Games)

4. A society where one-stop public services are available by utilizing IT

- ○ Utilization of **the Social Security and Tax Number System** ⇒ **Target: Widespread use of Individual Number Cards**
  Expand the scope of use of Individual Number, encourage the use of Individual Number Cards for public and private procedures and use Individual Number Cards as other cards.
- ○ Reform **administrative information systems** on the national and local level⇒ **Target: Cut local government system operating costs by 30%**
  Investigate adoption of IT in administration and implementation of BPR on the national and local levels by the IT Strategic Headquarters and the e-Government Ministerial Conference.

* Measures to implement the new

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IV. Reinforce Foundations to Expand the Scope of IT Use

1. Human Resource Development and Education

※ Become the world's most advanced IT nation to develop human resources who can drive the formation of an information resource nation, human resources who can support such a nation, and human resources who enjoy and lead prosperous lives

※ Clarify career paths and take other measures to develop IT human resources in the government

○ Educate driving human resources and supporting human resources

Identify and support cutting-edge human resources who can create new businesses and new services using IT and data and support programming and other IT education

○ Educate Human resources who enjoy and lead prosperous lives

Raise the ability of the people as a whole to use information, develop safe and secure use environments, and foster and secure leaders

2. Secure the World's Most IT Infrastructure

※ Secure broadband environments at the world's highest levels and create environments adapted to the IoT era that can use large volumes of data

○ Develop communications network infrastructure

Develop free public LANs in tourism regions, disaster prevention sites, and so on (also include in community formation IT use plans)
Support local government efforts to develop ultra-high-speed broadband in underpopulated, remote, and other regions with disadvantageous conditions

3. Cyber Security

○ The IT Strategic Headquarters, Cyber Security Strategic Headquarters, and National Security Council will collaborate the take specific measures under the Cyber Security Strategy and annual plans

○ Ensure cyber security to protect the public and society

Substantial reinforcement of government agency response capabilities and turning attention to security measures to address reductions from higher information system efficiency
Comprehensively ensure the security of the Social Security and Tax Number System

4. Support Research and Development and Collaboration Among Research and Development Results

○ Rapid and reliable collaboration among research results including technology compatible with the IoT era, ultra-high-speed network communications technology, technology that takes information-disadvantaged persons into account as well as effective sensor and robot technology for disaster prevention and mitigation is necessary; close collaboration with the Council for Science, Technology, and Innovation

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V. Strategy Implementation Systems and Methods

- **Based on this strategy and process table, implement IT measures in government ministries and agencies and work towards achieving the world's most advanced IT nation**
- **The "gears" of the measures of each ministry and agency will mesh to advance strongly towards targets, and under the minister responsible for IT measures, the Government CIO will play a central role through oversight and specific participation and inter-ministerial coordination through the following systems**
  ⇒ Implement the PDCA cycle timely and appropriately to spiral up measures.

1. Management systems for applying the PDCA cycle to this strategy

- ○ Exercise of control functions of government CIO (preparing inter-ministerial implementation plans, etc.)
- ○ Implementation and management systems in the IT Strategic Headquarters

2. Evaluation indicators for target and progress management

- ○ Key performance indicators (KPI) will be set to appropriately reflect the strategy in society and other forms and problem solving will be accelerated in fields that require prioritization

3. Analysis and deployment of successful models

- ○ When deploying successful models, there are various examples from different regions, and it is necessary to analyze them individually. It should be kept in mind that, considering the regional circumstances and conditions of one successful model, that model cannot necessarily be deployed in other regions as a successful model without modification simply because it is a successful model.

4. International deployment to reinforce international contribution and international competitiveness

- ○ Share information between the public and private sectors with a sense of crisis to achieve sustainable growth and development and rapidly implement fundamental measures to enhance international competitiveness.