

ANNEX A

June 2014

FACTSHEET *Smart Nation Platform*

Singapore is pushing towards becoming the world's first Smart Nation, one that will improve the quality of life for individuals and business opportunities for enterprises. In a Smart Nation, we also seek to create an anticipatory Government that can better serve our citizens and better able to use technology to enhance public services, empowering citizens to be able to be more participatory in engaging government, as well as businesses, to make more informed decisions and meaningful choices in their daily living.

Singapore has the opportunity to be the world's first Smart Nation if we work together and make fuller use of technology to live, work and play. Singapore will continue build up all aspects to enhance our national capabilities – from infrastructure, industry to governance. To do this, IDA will build on our achievements in the IN2015 journey, such as the Nationwide Broadband Network (NBN) and Wireless@SG. There are also several ongoing projects by Government agencies and the industry, such as the Jurong Lake District initiative, which is one test bed to seek out meaningful and sustainable solutions that can be rolled out in a Smart Nation.

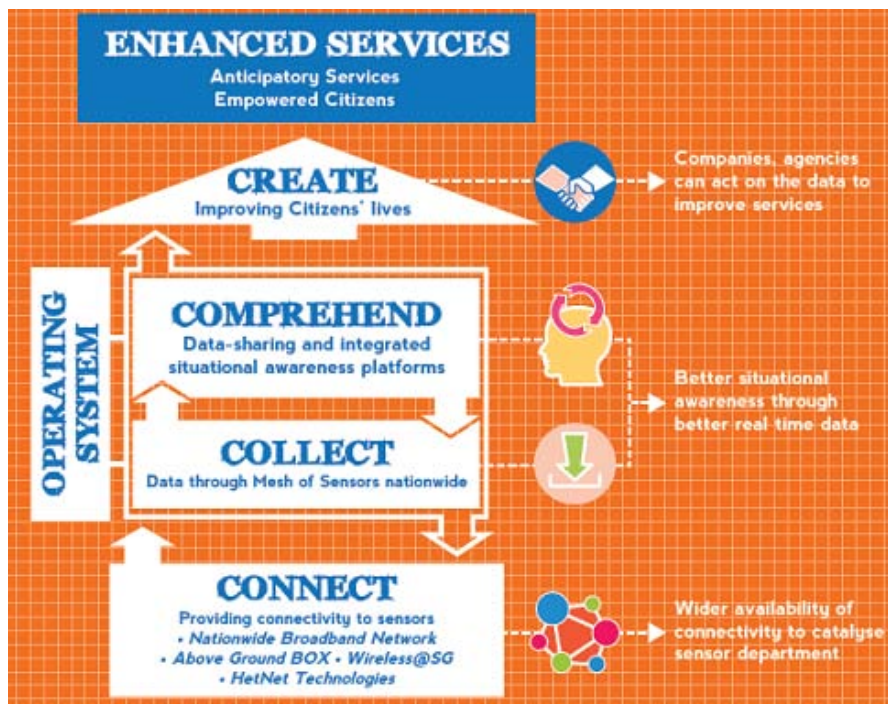
About the Smart Nation Platform

IDA will further develop our capabilities in pervasive connectivity, and build new infrastructure and common technical architecture to enable citizens, businesses and government agencies to leverage technology to make lives better in a Smart Nation.

Termed the Smart Nation Platform (SNP), it will be built based on a systematic premise to enable greater pervasive connectivity, better situational awareness through data collection, and efficient sharing of collected sensor data. However, the building process will be agile enough to be refined and improved.

SNP will anchor around three key areas of “Connect”, “Collect & Comprehend”.

The first phase of the SNP which focuses on “Connect” and “Collect” is expected to be available by 2015.



Connect

Objective: To enable and provide a speedy, secure, cost-effective and scalable nationwide communication infrastructure

Proposed plans: In addition to the current connectivity infrastructure that is in place – NBN and Wireless@SG, we are also seeking to extend connectivity through the progressive deployment of Above Ground (AG) Boxes and technologies from a Heterogeneous Network (HetNet).

- AG Boxes will provide a ready-built common infrastructure for sensor deployment by supplying points to access fibre-optics connectivity and power. This reduces the need for unnecessary groundwork, thereby reducing deployment time and cost. We target to install these AG Boxes in common outdoor areas where there is demand for sensor-based technologies. These places include bus stops, parks and traffic junctions.
- HetNet is expected to allow for more optimal use of wireless spectrum by allowing devices to switch seamlessly between various types of wireless networks. To realise the full potential of what HetNet can offer to citizens, IDA will be conducting HetNet trials in conjunction with the industry.

Collect & Comprehend

Objective: To be able to gain better situational awareness through better real-time data collected through a mesh of sensors nationwide.

Proposed plans: To deploy an operating system that enables public agencies to be plugged in so that essential sensor data can be anonymised, protected, managed and aptly shared. The data can then be analysed to generate the relevant insights in order to formulate timely and appropriate plans and decisions that result in more responsive, even anticipatory services for the citizens.

Already sensor sharing, and a sensor network and platform are being tested at the Jurong Lake District test-bed. Results of which will be adapted for further deployment in a Smart Nation.

How will the Smart Nation Platform help...

Citizens

Greater citizen-centric services

- Through better understanding of citizens' needs and expectations, an anticipatory Government will be able to serve citizens better through better policy planning and creation of citizen-centric services.

Empowerment

- At an individual level, the access to greater and meaningful information will enable citizens to make better decisions, be it for transport, health and other services.
- At a community level, the access to rich data and innovative products, suggestions and ideas can help to create actionable solutions that can benefit society as a whole.

Businesses

Enable innovation

- More conducive and networked environment from which to do business
- Provides useful data sets for businesses to improve their operations
- Creates opportunities to innovate and build new services for citizens
- Enable new market possibilities such as through new infrastructure locations for connectivity

Public Agencies

Greater efficiency

- Minimise duplication of efforts and disruption to citizens
- Catalyse rollout of systems where they are needed, such as at the street level, or to transport or security resources
- Support faster deployment of systems

Stronger inter-agency cooperation

- Facilitate closer and more efficient inter-agency collaboration and data sharing, strengthening government's ability to provide an integrated service delivery

For media clarification, please contact:

Infocomm Development Authority of Singapore

Grace Chiang (Ms)

Manager, Corporate and Marketing Communication

Tel: +65 6211 3863

E-mail: grace_chiang@ida.gov.sg