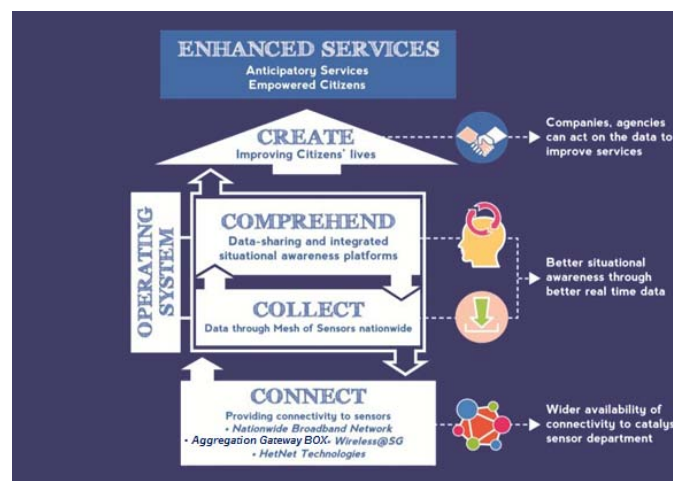**Annex A**

April 2015

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MEDIA FACTSHEET
SMART NATION PLATFORM

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Singapore is building the world's first Smart Nation, with fuller use of technology to live, work and play, resulting in improved quality of life for individuals; business opportunities for enterprises and an anticipatory government that uses tech to better serve and anticipate citizens' needs. Singapore will continue to build up all aspects to enhance our national capabilities – from infrastructure, industry and talent, to governance.

Smart Nation Platform

As part of our Smart Nation vision, the Infocomm Authority of Singapore (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".

In the "Connect" area, the aim is to enable connectivity for everyone and everything, everywhere in Singapore, all the time.

In the "Collect & Comprehend" area, there will be the deployment of an operating system that enables public agencies to be plugged in, so that essential sensor data can be collected, anonymised, protected, managed and aptly shared. The data can then be analysed to generate the relevant insights in order for government agencies to create more responsive and anticipatory services for the citizens.

SNP Timeline

The Smart Nation Platform (SNP) will be rolled out in phases, with the first phase to be *initiated in Q4 2014.*

Phase 1

- Target to provide enhanced wired and wireless connectivity for sensors at high-traffic areas such as the Civic District, Orchard Road, Singapore River, Little India and Geylang.
- As part of the Jurong Lake District redevelopment plan, IDA will also be rolling out the SNP to the Yuhua area, the first heartland estate where connectivity and sensors will be enhanced to enable better community services for the residents of the area.
- Phase 1 is expected to be available by end-2015.
- Business opportunities for large enterprises and start-ups with relevant experience in communications and sensors deployment will be available.
- An Industry Briefing was held on 10 October 2014 provided industry partners a broad overview of the SNP programme, and highlight important areas in which the industry can actively collaborate with IDA to realise our Smart Nation vision. These include:
  - o <u>Communications infrastructure</u>, including the design and implementation of a core network, fibre connectivity and deployment of Aggregation Gateway (AG) Boxes for government sensor communications;

- o <u>Secure wireless network</u> to enhance communication capabilities for government agencies in areas with limited coverage for government sensor communications;
- o The <u>deployment of common sensors</u> across Singapore to improve sensing capabilities for enhanced data-driven planning and citizen service response;
- o The development of a <u>Smart Nation Operating System (SN-OS)</u> to provide data processing, analytics and sharing capabilities to bolster cross-agency integration.
- Four tenders for Data Centre, IP Core, AG Boxes and Data Fusion and Sense Making AG Boxes, important components for SNP has been released. IDA has awarded the Data Centre tender and will be working with its appointed Contractor, Singtel. Other tenders involving areas such as Data Exchange will progressively be released.

Phase 2

- Target to provide nationwide deployment and this is a process where IDA will seek industry's expertise, views and inputs on the technical design and architecture of SNP for large scale deployment, relevant to Singapore's environment, and identify other core SNP capabilities to be developed.
- The co-creation kicked off with the Industry Roundtable sessions, where industry partners submitted their proposals which provided views and inputs on the technical design of the SNP, and highlight domains in which the companies possess technology and solutions expertise. IDA eventually shortlisted and invited 44 companies to participate in the sessions.
- The next stage would be the competitive dialogues, which are more specific and targeted discussions with pre-qualified industry participants to solicit inputs and views that will help shape SNP.

For media clarification, please contact:

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