Enabling the Internet of Things for Australia

Measure, Analyse, Connect, Act

Extract: key recommendations

Recommendation 1: Develop and support a coherent and collaborative Australian IoT industry enabled by appropriate policy and regulation settings to drive productivity and innovation aligned with national economic objectives.

Recommendation 2: Choose leadership in a few key sectors where additional efforts are made at industry and Government level and collaboration is enhanced. Sectoral focus prospects where Australia may lead are in mining, agriculture, transport and telecommunications.

Recommendation 3: Develop a model and principles for IoT data sharing and opening of public data.

Recommendation 4: To build confidence and trust in IoT use, by addressing IoT privacy concerns with clear policy and guidelines for access to, consent and use of private data. Align with policies on open data and data sharing.

Recommendation 5: Develop minimum network/service security guidelines for the IoT service chain, from sensor/actuator, to network, to data. This needs to consider both security from attack and service resilience.

Recommendation 6: Encourage a thriving IoT start-up community through alignment, where sensible, with Industry Growth Centre activities, start-up incubators, focus industry sectors and collaboration to build eco-systems of innovation.

Recommendation 7: Review the adequacy of the current spectrum settings and licencing in accommodating new IoT wireless technologies and scale with particular focus on spectrum for low-bit rate services.

Recommendation 8: Encourage use of IPv6 by default on all platforms, including Government and internet Service Providers (ISPs).

Recommendation 9: Add weight to the drive for greater science, technology, engineering and mathematics (STEM) learning programs and develop IoT training programs, with particular emphasis on data engineering.

Recommendation 10: Review adequacy of Australian oversight and participation in the key IoT standards bodies with a view to having the capability to provide knowledgeable industry guidance on implications for trade impediments, data protection and local regulatory impact.

Recommendation 11: Consider reduction and simplification of governance in the development of smart cities in Australia.

Recommendation 12: More detailed economically sound, evidence-based research should be commissioned to confirm preliminary observations, recommendations, enablers, inhibitors and sectoral focus and which parties are best placed to drive initiatives and assume leadership roles**.**

Internet of Things Think Tank

Current Executive Council Members

- Alcatel Lucent
- Communications Alliance
- Creator Tech
- Department of Communications
- Ericsson
- Hewlett-Packard
- Huawei
- IBM
- Intel
- Knowledge Economy Institute (KEi)
- KPMG
- nbn
- Telstra