立法會
Legislative Council

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From : Clerk to the Legislative Council

To : All Members of the Legislative Council

Council meeting of 20 June 2018

Amendments to motion on
"Expediting the promotion of smart city development"

Further to LC Paper Nos. CB(3) 652/17-18 and CB(3) 682/17-18 issued on 31 May and 8 June 2018 respectively, six Members (Hon Christopher CHEUNG, Hon Tony TSE, Hon Charles Peter MOK, Hon Alvin YEUNG, Dr Hon Elizabeth QUAT and Hon HUI Chi-fung) have respectively given notice of their intention to move separate amendments to Ir Dr Hon LO Wai-kwok's motion on "Expediting the promotion of smart city development". As directed by the President, the respective amendments will be printed in the terms in which they were handed in.

2. The President will order a joint debate on the above motion and the six amendments. To assist Members in debating the motion and the amendments, I set out below the procedure to be followed during the debate:

(a) the President calls upon Ir Dr Hon LO Wai-kwok to speak and move his motion;

(b) the President proposes the question on Ir Dr Hon LO Wai-kwok's motion;

(c) the President calls upon the six Members who wish to move amendments to speak in the following order, but no amendment is to be moved at this stage:

(i) Hon Christopher CHEUNG;

(ii) Hon Tony TSE;

(iii)   Hon Alvin YEUNG;

(iv)   Dr Hon Elizabeth QUAT;

(v)   Hon HUI Chi-fung; and

(vi)   Hon Charles Peter MOK;

(d)   the President calls upon the public officer(s) to speak;

(e)   the President invites other Members to speak;

(f)   the President gives leave to Ir Dr Hon LO Wai-kwok to speak for the second time on the amendments;

(g)   the President calls upon the public officer(s) to speak again;

(h)   in accordance with Rule 34(5) of the Rules of Procedure, the President has decided that he will call upon the six Members to move their respective amendments in the order set out in paragraph (c) above. The President invites Hon Christopher CHEUNG to move his amendment to the motion, and forthwith proposes and puts to vote the question on Hon Christopher CHEUNG's amendment;

(i)   after Hon Christopher CHEUNG's amendment has been voted upon, the President deals with the other five amendments; and

(j)   after all amendments have been dealt with, the President calls upon Ir Dr Hon LO Wai-kwok to reply. Thereafter, the President puts to vote the question on Ir Dr Hon LO Wai-kwok's motion, or his motion as amended, as the case may be.

3.   For Members' reference, the terms of the original motion and the marked-up version of the amendments are set out in the **Appendix**.

(Dora WAI)
for Clerk to the Legislative Council

<u>Encl.</u>

(Translation)

**Motion debate on
"Expediting the promotion of smart city development"
to be held at the Council meeting of 20 June 2018**

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1.   Ir Dr Hon LO Wai-kwok's original motion

That, since smart city is one of the four major areas of focused development of innovation and technology in Hong Kong, the Administration released the Smart City Blueprint for Hong Kong in December 2017, mapping out the policies and measures to be implemented in the next five years in six areas, namely smart mobility, smart living, smart environment, smart people, smart government and smart economy; in this connection, this Council urges the Government to proactively allocate resources to perfect various policies and ancillary measures, so as to expedite the promotion of smart city development; the relevant measures include facilitating the research and development and application of innovation and technology, upgrading the technological infrastructure of Hong Kong, promoting the intellectualization of infrastructure and green architecture, facilitating the opening of data by public and private organizations for development and application, setting up a platform for sharing big data, making optimal use of innovation and technology for improvement of people's daily living, as well as developing a low-carbon green and smart community, with a view to fostering the sustainable development of Hong Kong and facilitating the people in leading a quality life.

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2.   Motion as amended by Hon Christopher CHEUNG

That, ~~since smart city is~~ *to catch up with the development of the era of intelligence, the Administration has made smart city as* one of the four major areas of focused development of innovation and technology in Hong Kong~~, the Administration~~ *and* released the Smart City Blueprint for Hong Kong in December 2017, mapping out the policies and measures to be implemented in the next five years in six areas, namely smart mobility, smart living, smart environment, smart people, smart government and smart economy; in this connection, this Council urges the Government to proactively allocate resources to perfect various policies and ancillary measures, so as to expedite the promotion of smart city development; the relevant measures include facilitating the research and development and application of innovation and technology, upgrading the technological infrastructure of Hong Kong, promoting the intellectualization of infrastructure and green architecture, *stepping up the*

promotion of innovation in financial technology, facilitating the opening of data by public and private organizations for development and application, setting up a platform for sharing big data, making optimal use of innovation and technology for improvement of people's daily living, as well as developing a low-carbon green and smart community, with a view to fostering the sustainable development of Hong Kong and facilitating the people in leading a quality life.

Note: Hon Christopher CHEUNG's amendment is marked in ***bold and italic type*** or with deletion line.

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3. Motion as amended by Hon Tony TSE

That~~, since~~ ***in recent years, various countries around the world have endeavoured to develop innovation and technology in the hope of integrating the achievements of such research and development into society to benefit the people;*** smart city is one of the four major areas of focused development of innovation and technology in Hong Kong, the Administration released the Smart City Blueprint for Hong Kong in December 2017, mapping out the policies and measures to be implemented in the next five years in six areas, namely smart mobility, smart living, smart environment, smart people, smart government and smart economy; in this connection, this Council urges the Government to proactively allocate resources to perfect various policies and ancillary measures, ***strengthen communication and cooperation with various sectors, especially professionals, to avoid working behind closed doors, and provide small and medium enterprises with financial assistance and support,*** so as to expedite the promotion of smart city development; the relevant measures include facilitating the research and development and application of innovation and technology, upgrading the technological infrastructure of Hong Kong, promoting the intellectualization of infrastructure and green architecture, facilitating the opening of data by public and private organizations for development and application, setting up a platform for sharing big data, making optimal use of innovation and technology for improvement of people's daily living, as well as developing a low-carbon green and smart community, with a view to fostering the sustainable development of Hong Kong and facilitating the people in leading a quality life.

Note: Hon Tony TSE's amendment is marked in ***bold and italic type*** or with deletion line.

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4. Motion as amended by Hon Alvin YEUNG

That, ~~since smart city is~~ ***given the rapid advances and changes in technology, smart city has become*** one of the four major areas of focused development of

innovation and technology in Hong Kong,; the Administration released the Smart City Blueprint for Hong Kong in December 2017, mapping out the policies and measures to be implemented in the next five years in six areas, namely smart mobility, smart living, smart environment, smart people, smart government and smart economy; in this connection, this Council urges the Government to proactively allocate resources to perfect various policies and ancillary measures, so as to expedite the promotion of smart city development; the relevant measures include facilitating the research and development and application of innovation and technology, upgrading the technological infrastructure of Hong Kong, promoting the intellectualization of infrastructure and green architecture, facilitating the opening of data by public and private organizations for development and application, setting up a platform for sharing big data, making optimal use of innovation and technology for improvement of people's daily living, as well as developing a low-carbon green and smart community, with a view to fostering the sustainable development of Hong Kong and facilitating the people in leading a quality life*; to expedite the promotion of smart city development, the Government should also:*

(1)   conduct a comprehensive review of policies and regulations on elderly care and promote the application of gerontechnology, so as to upgrade the quality of elderly care services and cope with the trend of population ageing in the future;

(2)   expeditiously enact legislation on the Internet of Things to deal with problems associated with privacy, data security, etc., so as to protect public interest;

(3)   make use of big data to promote demand-led transport planning, including regular collection of information on vehicular journeys by the Government for analysis of the distribution of traffic demands and travelling patterns of commuters in Hong Kong, so as to make planning of more accurate public transport services that meet long-term demands;

(4)   enhance the amount and types of data provided on the data.gov.hk website, draw up a timetable for opening of data, and establish an open and transparent platform for industries and the public to reflect their needs for information and data, so as to expand the database;

(5)   provide innovation and technology start-ups with policy support and review the existing legislation and regulations to remove barriers for such enterprises; and

(6)   *improve government procurement policies to give priority to using products and services researched and developed by local innovation and technology companies*.

Note: Hon Alvin YEUNG's amendment is marked in **bold and italic type** or with deletion line.

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5.   Motion as amended by Dr Hon Elizabeth QUAT

That, ~~since~~ *the establishment of a* smart city is one of the four major areas of focused development of innovation and technology in Hong Kong, the Administration released the Smart City Blueprint for Hong Kong in December 2017, mapping out the policies and measures to be implemented in the next five years in six areas, namely smart mobility, smart living, smart environment, smart people, smart government and smart economy; in this connection, this Council urges the Government to proactively allocate resources to perfect various policies and ancillary measures, so as to expedite the promotion of smart city development; the relevant measures include*:*

(1)   *in respect of smart mobility, practically ameliorating such problems as traffic congestion, shortage of parking spaces, delayed and lost trips of public transport, etc.; encouraging the industry to introduce an intelligent information system to provide real-time parking vacancy information of private car parks, and conducting a study on using concessions or legislative measures to incentivize private car parks to share data on vacant parking spaces, so that drivers can access the relevant information;*

(2)   *in respect of smart living, expeditiously perfecting various infrastructural facilities of a smart city, including further raising the speed of WiFi services in public places and enhancing the security in using such services; conducting a study on the introduction of electronic business registration ('eBR') apart from electronic identity ('eID'); and stepping up the development of smart healthcare and smart elderly care to perfect the healthcare and elderly care services in Hong Kong;*

(3)   *in respect of smart environment, promoting optimal use of green smart technologies to practise a low-carbon and energy-efficient life and perfect waste disposal, and proactively conducting a study on more effective use of recovered resources to effect waste-to-energy and waste-to-treasure proposals, including integrating innovation and technology with development of green industries or 'light recycling industry', so as to promote the development of the whole green*

industrial chain as well as the application, research and development of relevant technologies;

(4)   in respect of smart people, to tie in with the global trend of education, further adding elements of arts to Science, Technology, Engineering and Mathematics ('STEM') education, turning it into Science, Technology, Engineering, Arts and Mathematics ('STEAM') education, and allocating additional resources to training STEAM teachers and supporting the promotion of STEAM education in schools; stepping up efforts in promoting the teaching of programming and coding, and making programming and coding a compulsory subject in primary and secondary schools, so as to nurture talents of innovation and technology at their early age; enhancing on-the-job training and retraining of employees to support Hong Kong employees in learning, grasping and applying innovation and technology; streamlining the application and administrative procedures relating to the Postdoctoral Hub and Internship Programme, and shortening the time of processing funding, so as to encourage the industry to hire more professionals; and strengthening digital support for children from families with financial needs, the elderly and the disadvantaged, so as to eliminate the 'digital divide' and foster digital inclusion;

(5)   in respect of smart government, completing the establishment of Common Spatial Data Infrastructure ('CSDI') by 2020, including expediting the development and implementation of various applications and services of a smart city as well as enhancing city management, so as to achieve various great visions of a smart city; strengthening, improving and promoting digital government services, including online tax return filing, payment, licence renewal, etc.; and stepping up training to enhance the understanding and application of technology by the civil service, such as making better use of the Common Operating Platform for Emergency Management by government departments;

(6)   on smart economy, in line with the development strategy of the Outline of the 13th Five-Year Plan for the National Economic and Social Development of the People's Republic of China, the Belt and Road Initiative and the Guangdong-Hong Kong-Macao Bay Area ('the Bay Area'), promoting industrialization and re-industrialization of Hong Kong's achievements in scientific research, including revising the Government's procurement policies and objectives to require government departments to give priority to procuring local scientific research products; strengthening global support to assist industries in developing businesses in the Mainland and world markets; fostering

the development of the innovation and technology industry through tax concessions and other measures; promoting more venture capital and technological service industries; fostering incubation of start-ups of patented technologies; and applying, transforming and perfecting the intellectual property rights regime, so as to establish a market with demand for and supply of innovative technologies and products;

(7)   proactively promoting the development of a smart city cluster in the Bay Area, including enhancing promotion of the development of sandboxes for financial technology, medical science and technology, and educational technology in the region; speeding up the ground breaking and application of new-generation information technologies such as artificial intelligence, quantum information, mobile communications, Internet of Things, blockchain, etc. in the region; expediting the establishment of a sharing platform for big data, as well as strengthening the mutual access and flow of people, goods, services, capital and information in the region;

(8)   facilitating the research and development and application of innovation and technology, upgrading the technological infrastructure of Hong Kong, promoting the intellectualization of infrastructure and green architecture, facilitating the opening of data by public and private organizations for development and application, setting up a platform for sharing big data, making optimal use of innovation and technology for improvement of people's daily living, as well as developing a low-carbon green and smart community~~, with a view to~~*;*

this Council also urges the Government to, in the course of implementing the above measures, extensively collect views from stakeholders straddling different sectors, make optimal use of the existing technologies, enhance public-private partnership, encourage local research and development of advanced smart city technologies, and be genuinely people-oriented, thereby fostering the sustainable development of Hong Kong and facilitating the people in leading a quality life.

Note: Dr Hon Elizabeth QUAT's amendment is marked in **bold and italic type** or with deletion line.

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6.   Motion as amended by Hon HUI Chi-fung

That, ~~since~~ smart city is one of the four major areas of focused development of innovation and technology in Hong Kong, **and** the Administration released the Smart City Blueprint for Hong Kong in December 2017, mapping out the policies and measures to be implemented in the next five years in six areas,

namely smart mobility, smart living, smart environment, smart people, smart government and smart economy; in this connection, this Council urges the Government to proactively allocate resources to perfect various policies and ancillary measures, so as to expedite the promotion of smart city development; the relevant measures include*:*

(1)   facilitating the research and development and application of innovation and technology, ***including providing support for the development of smart solutions, establishing an industry chain and, to tie in with the 're-industrialization' policy, promoting the commercialization of technology products;***

(2)   upgrading the technological infrastructure ~~of Hong Kong,~~ ***and information engineering of Hong Kong, including enhancing the Internet of Things, cloud computing and the mobile network system;***

(3)   ***attracting investment funds to strengthen smart city manpower training;***

(4)   ***facilitating the integration of technology into urban planning to enhance the accuracy of financial analyses of infrastructure expenditure;***

(5)   promoting the intellectualization of infrastructure and green architecture~~,~~ ***to reduce energy consumption and enhance the practicality and durability of building designs;***

(6)   facilitating the opening of data by public and private organizations for development and application~~,~~ ***to take forward urban construction and facilitate open and transparent implementation of policies;***

(7)   setting up a platform for sharing big data, ***such as collecting city-wide traffic data, sharing real-time patronage and locations of buses and detecting road conditions (for example, tailbacks and traffic accidents), so as to alert drivers and passengers in advance, thereby making it convenient for people to wisely plan their journeys;***

(8)   making optimal use of innovation and technology for improvement of people's daily living, ~~as well as~~ ***including optimizing personalized and self-service systems and developing artificial intelligence;***

(9)   ***establishing a sensor system of the Internet of Things for application in the search for parking spaces in car parks, traffic control, waiting for accident and emergency services at public hospitals, etc.;***

(10) ***promoting smart healthcare and community care, such as developing gerontechnology, providing teleconsultation and tracking medical records, to support the needs of elderly singletons;***

(11) ***optimizing the effectiveness of resource management and promoting renewable energy feed-in tariff and the wider use of clean energy to achieve energy conservation;***

(12) ***establishing a diversion process for solid wastes and assisting waste recyclers in introducing high-technology systems, such as electronic/optical plastic sorters, to increase the efficiency of recycling, thereby*** developing a low-carbon green and smart community, with a view to fostering the sustainable development of Hong Kong and facilitating the people in leading a quality life*;*

(13) ***promoting smart mobility, including promoting the mainstreaming of electric vehicles and improving charging facilities for electric vehicles;***

(14) ***making use of technology to improve the accessibility of roads and pavements to create a bicycle-friendly environment;***

(15) ***promoting the transport mode of real-time car-sharing and effecting its legalization;***

(16) ***reviewing the procurement arrangements of the Government to give priority to using local innovative products, so as to develop the new smart city economy; and***

(17) ***stepping up network security to protect personal privacy and data***.

<u>Note</u>: Hon HUI Chi-fung's amendment is marked in ***bold and italic type*** or with deletion line.

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7.   Motion as amended by Hon Charles Peter MOK

That, since smart city is one of the four major areas of focused development of innovation and technology in Hong Kong, the Administration released the Smart City Blueprint for Hong Kong in December 2017, mapping out the policies and measures to be implemented in the next five years in six areas, namely smart mobility, smart living, smart environment, smart people, smart government and smart economy; in this connection, this Council urges the Government to proactively allocate resources to perfect various policies and ancillary measures, so as to expedite the promotion of smart city development; the relevant measures include facilitating the research and development and

application of innovation and technology, upgrading the technological infrastructure of Hong Kong, promoting the intellectualization of infrastructure and green architecture, facilitating the opening of data by public and private organizations for development and application, setting up a platform for sharing big data, making optimal use of innovation and technology for improvement of people's daily living, as well as developing a low-carbon green and smart community, with a view to fostering the sustainable development of Hong Kong and facilitating the people in leading a quality life*; at the same time, as the development of a smart city involves large-scale data collection, this Council urges the Government to increase the transparency of smart city public-private partnership projects, formulate a comprehensive policy on data management and open data to enhance civic participation and accountability of governance, and review and update the Personal Data (Privacy) Ordinance to strengthen the regulation of the collection, processing as well as use of personal data and devise information security standards, so as to strike a balance between promotion of technology and protection of people's personal privacy*.

Note: Hon Charles Peter MOK's amendment is marked in **bold and italic type**.