

proudly presents

Seminar on Traffic Impact Assessments

Course code: TPP120328

By

Dr. Xie Litian,
Land Transport Authority

Dr. Mak Chin Long,
CPG Consultants Pte. Ltd

Ms. Lee Keat Lian
CPG Consultants Pte. Ltd

Er. Emily Tan
TSM Consultancy Pte. Ltd

<u>Date</u>	<u>Time</u>	<u>Venue</u>
21 May 2012, Monday	08:30 hrs -17:15 hrs	LTA Academy Land Transport Authority, No. 1 Hampshire Road, Block 5A, Training Room 1 & 2

Fees : **\$220.00** per participant.

Special rate at \$200.00 per participant for members of Institution of Engineers Singapore (IES), Association of Consulting Engineers Singapore (ACES), or group registrations of at least 3 participants.

PDU Points : to be advised

Registration : Seats are limited. Please confirm your attendance with Vincent Chua via email: Vincent_T_S_CHUA@lta.gov.sg, Tel: +65 6396 1297/ Yong Kee Seng, +65 6396 1311, kee_seng_YONG@lta.gov.sg, **by 16 May 2012**. For enquiries, please contact Tan Ban Cheng at Tel: +65 6396 1327, ban_cheng_tan@lta.gov.sg.

Programme Details

08:30 – 09:00	Registration
09:00 – 10:30	Case studies on Traffic Impact Assessments (TIA) by Dr. Mak Chin Long & Ms. Lee Keat Lian, CPG Consultants Pte. Ltd.
10:30 – 11:00	Tea-break (provided)
11:00 – 12:30	Case studies on TIA by Er. Emily Tan, TSM Consultancy Pte. Ltd.
12:30 – 13:30	Lunch break (provided)
13:30 – 15:00	Update on LTA's new TIA guidelines by Dr. Xie Litian, Land Transport Authority
15:00 – 15:30	Tea-break (provided)
15:30 – 16:30	... continue / Update on LTA's new TIA guidelines
16:30 – 17:15	Discussion / Q&A (including with Mr. Kenneth Wong, Director, Local Planning, Land Transport Authority)

Synopsis

LTA has recently revised the Traffic Impact Assessments (TIA) Guidelines to provide greater clarity on the information and requirements in the preparation and submission of TIA reports as part of Development Clearance (DC)¹.

This is the second revision to the Guidelines since it was introduced in 2002. The updates include amendments and additions to ensure that the Guidelines are updated to on-going conditions and took into account feedback from the industry.

CPG Transport is a specialized team within CPG Consultants Pte. Ltd, a Singapore based consultancy firm. CPG Transport has transport planners and traffic engineers with the capability to undertake Traffic Impact Assessment for all types of developments. They have available a full range of transportation modelling software to assist the work for the TIAs. Their recent completed TIA projects include the Master Plan for the Outram Medical Campus, the International Cruise Terminal, Jurong General Hospital, Traffic and Transportation Master Plan for Sports Hub Kallang and Singapore's New University at East Coast.

TSM Consultancy Pte. Ltd is a Singapore based traffic and transport consultancy firm for 15 years and has served many clients in numerous TIA projects in Singapore including mega developments such as the Integrated Resorts at Sentosa and Marina Bay, the Pasir Panjang Port Terminal; mix-use developments such as Cathay Building, Jurong Point 2, Development for NTUC FairPrice Co-operatives Ltd; as well as single purpose developments such as Waterbank Condominium, Ministry of Manpower HQ and Oxley Biz Hub.

The aim of the seminar is to:

- a) Update the industry on the new TIA guidelines.
- b) Exchange on the good practices on TIA through the sharing and exchange of case studies of TIA projects.

About the Speakers



Dr Xie Litian has over 12 years of extensive experience in the areas of transport planning, transport modelling and traffic impact assessment (TIA). He has worked on more than 150 traffic and transportation projects in Singapore and overseas, the scale of which ranges from city-wide strategic transport models, regional transport masterplans to local traffic studies. Before joining LTA in 2008, Dr Xie had been working as a Transport Consultant and Senior Transport Planner in international consultancy firms.

Specialising in transport modelling and traffic simulation, Dr Xie has many publications in top international journals and conferences. He is a Member of American Society of Civil Engineers (M.ASCE) and a Peer Reviewer of technical papers for international journals.

Dr Xie was the Project Manager of the LTA TIA Guidelines Review and Revision Study, which led to the recent launch of the new TIA Guidelines.

¹ Required under Street Works Act, Singapore.



Dr Mak Chin Long has more than 15 years of experience in transport studies ranging from academic research to consultancy services for both public and private agencies / organizations in Singapore and overseas.

He has contributed to the successful completion of key transportation projects for Public Works Department (PWD) / Land Transport Authority (LTA) of Singapore -- Development of Traffic Speed-Flow Models for Expressways and Arterial Roads; Calibration of Passenger Car Unit for Expressways and Arterial Roads; and 1997 Home Interview Survey. His research contribution in Intelligent Transport System (ITS) includes development of Automatic Incident Detection Algorithms (AIDA) for timely detection of incidents on Central Expressway (CTE). His research works have been widely published in international refereed journals and conferences, and he has been a reviewer for several international refereed journals.

Dr Mak has led project teams in many transport studies: Modelling of Transportation System for planning of transport infrastructure, evaluation of restricted transport policies, etc.; Traffic Impact Assessment (TIA) for a wide scale of development proposals -- Sports Hub, Airport, Port, Checkpoint, Integrated Resorts, Hospital, University, School, Hotel, Residential, Retail, Office, Major Road Diversion Schemes, etc.; and Pedestrian Flow Study for transport station / interchange facilities.



Ms Lee Keat Lian has more than 10 years of experience in transport studies ranging from strategic transportation planning to detailed traffic engineering studies for both public and private agencies / organizations in Singapore and overseas such as China, India, Vietnam and other countries.

She has participated and led in numerous transport master planning projects and public transport planning studies that involve regional and site related transportation planning and transport infrastructure assessment in the overseas market. Keat Lian is also very well versed with local codes and regulations through her experiences in traffic engineering studies, traffic impact studies and pedestrian studies.

Keat Lian has led project teams in many Traffic Impact Assessment (TIA) studies for various development sites in Singapore. The nature of these projects are wide ranging that includes healthcare institutions, academic campus, transport hubs, major tourist attractions, business parks, public buildings and residential and commercial developments.



Er. Emily Tan is a Registered Professional Engineer (Singapore) and an ASEAN Chartered Professional Engineer with over 15 years of experience in the traffic and transport planning and engineering field. She is also an Accredited Senior Road Safety Auditor.

She has served many clients in their development projects in the area of traffic impact assessments, road safety reviews and traffic management planning. She has conducted Traffic Impact Assessments (TIA) in Singapore, Malaysia, Vietnam, China and UK for a wide range of planning proposals for commercial, industrial, residential and retail developments as well as educational institutions and tourists' attractions. She is very familiar with LTA's requirements having assisted many clients in their planning applications.

Emily has done numerous TIA project in Singapore including those for mega developments such as the Integrated Resort developments at Sentosa and Marina Bay, Pasir Panjang Port Terminal as well as Warehouse Retail Schemes in Singapore. She has also conducted numerous small to medium size development projects for private and public residential, commercial, retail, industrial, entertainment and mix-used developments.

She has worked previously in the UK for multi-disciplinary consultancy firms in their Transportation Divisions. Her work in UK included traffic impact assessments, accident analyses, pedestrian and public transport route planning on projects such as Paddington Station long-term redevelopment plan, Millennium Project, Eden Project, Superstore developments, Inverness Retail and Business Park, Spitafields Revised Masterplan, Peterborough Masterplan and Meadowside Quay Masterplan.

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Course to register Please register me to attend the following course:	
Course Title: Traffic Impact Assessments	
Course Code *: TPP120328	Course Date*: Monday 21 May 2012
Particulars of participant	
Name*:	Country*: ... Telephone:.....
Job Title:	Number of persons attending: (If more than one, please attach particulars.) Professional body (Singapore only): Professional registration no.:
Department:	
Organisation*:	
Email*:	
Contact person for billing purpose (if not the participant) *	
Name:	Telephone:
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Payment of course fee by participant	
Amount of SGD* (S\$) :	
Pay by (please tick ✓ against box*):	
<input type="checkbox"/> I enclose my Cheque/Draft payable to "Land Transport Authority". Cheque number is:	
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Authorised signature*:	I send signed and completed form, together with payment, by (please tick*):
	<input type="checkbox"/> Mail to LTA Academy, No.1 Hampshire Road, Singapore 219428, Republic of Singapore
	<input type="checkbox"/> Fax to (65) 6396 1585
Date:	<input type="checkbox"/> Email to LTAAcademy@lta.gov.sg (to attach completed form)
Method of payment	
All payment should made in Singapore dollars	
<ul style="list-style-type: none"> • Payments by S\$ bank draft or cheque should be made payable to: "Land Transport Authority", please quote course title at the back of cheque. • Payment by telegraphic transfer, in S\$, must be made to: LAND TRANSPORT AUTHORITY; A/C No: 001-032012-2 (SGD) Bank Code: 7171; Branch Code: 001; Bank Name: DBS Bank Ltd Bank Address: 6 Shenton Way, DBS Building Tower 2, Singapore 068809 Swift BIC (Bank Identifier Code): DBSSSGSG • GST registration number : M4-0006529-2 	
Enquiries:	
Mr Vincent Chua Vincent_T_S_CHUA@lta.gov.sg phone:(65) 6396 1297	
Mr Yong Kee Seng, kee_seng_YONG@lta.gov.sg , phone: (65) 6396 1311	
Mr Tan Ban Cheng, ban_cheng_TAN@lta.gov.sg , phone: (65) 6396 1327	
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