



Land Surveying Division
Sr Koo Tak Ming LSD Council Chairman

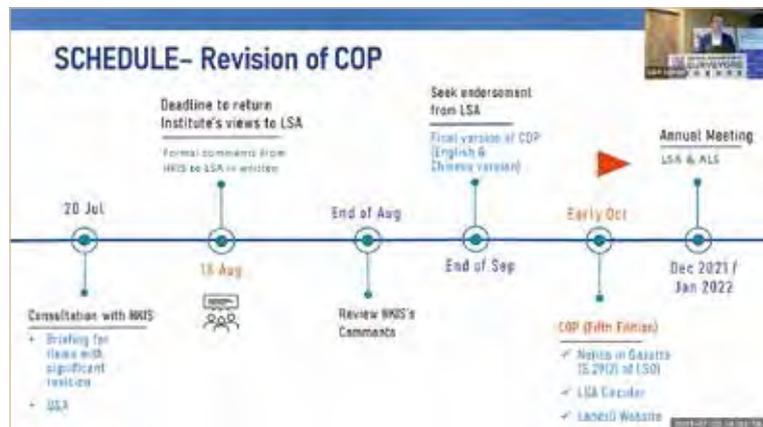
Revision to the Code of Practice under the Land Survey Ordinance Cap 473

The Code of Practice (COP) under the Land Survey Ordinance (LSO Cap 473) was first released in 1995, while its 4th Edition (Revised) was issued in 2006. For the purpose of enhancing the practical instructions and guidance in respect of land boundary surveys and related matters, the Land Survey Authority (hereafter the Authority) considers it opportune to update the provisions of the COP by issuing the 5th Edition of the COP in accordance with Section 29 of the LSO.

A briefing to HKIS Members was held on 20 July via Zoom. Sr CHAN Siu-bun, Deputy Director for Survey and Mapping of the Lands Department, briefed members on the changes from the 1st to 4th Editions of the COP and how the 5th Edition would improve the COP so that the LSO could better meet the purpose of the legislation.



Sr CHAN Siu-bun briefs members on the different versions of the COP.



Different Versions of the COP from 1995 to 2021

Sr LEE Yiu-hing, the Secretary of the Land Boundary Survey Working Group, highlighted the major objectives of the proposed revision and the respective clauses affected.

Objectives

1. To elaborate on the “General Principles” re-establishing lot boundaries to achieve the most probable lot boundaries definition based on all evidence by ALSs.
2. To maintain comprehensive land boundary records to facilitate the sharing of land boundary survey information among ALSs.
3. To keep pace with the latest standards by updating the terminologies, formats of survey deliverables, and technical specifications.



Sr LEE Yiu-hing discusses the major improvements to the proposed COP.

History of COP Revision

Year	Version of COP	No. of ALS	Major amendment
1995	First Edition 5 October 1995	21 <small>(in Year 1996)</small>	
1999	Second Edition 21 May 1999	40	To allow the presentation of bearing to nearest 3 second & dist. to nearest 0.001m To add new part on "Designations of Subdivided Lots" To add "About" to quantify areas
2003	Third Edition 31 October 2003	36	To strengthen the requirement of checking origin To supplement the format of survey report To incorporate the declaration for survey carried out (partly) by ALS
2006	Fourth Edition (revised) December 2006	37	To incorporate GPS Specification and Practice Guide To set out "General Principles for Re-establishment of Lot Boundaries"
2021	Proposed Fifth Edition	36	

Timeline for the Implementation of the COP

Over 200 HKIS members attended the briefing session in person or via Zoom. There were fruitful discussions and exchanges between the speakers and the audience during the Q&A session.



Sr KOO Tak-ming, Sr CHAN Siu-bun, and Sr LEE Yiu-hing during the Q&A Session

A webcast was sent to members on 21 July to solicit their views on the proposed 5th Edition of the COP. Members should forward them to the Land Surveying Division Council on or before 9 August 2021 for consolidation. Questions may be directed to Sr Carman HO, the Hon LSD Secretary, at kayan216@gmail.com or me at tmkoolsd@gmail.com.

CPD: Operation and Maintenance of Drainage Systems in Hong Kong

Ir LAM Wai Wah & Ir SO Hon Ching, who were responsible for the planning and implementation of drainage inspections, as well as pipe rehabilitation works in the Drainage Service Department, delivered a CPD talk on 15 July.

The speakers reiterated the importance of conducting regular pipe condition surveys and assessing and classifying the structural conditions of drains and sewers in order to formulate action plans for preventive maintenance works.

Drainage Inspection

Routine Inspection

- **Manhole**
 - ◆ Check blockage & surcharge
 - ◆ By Zoom Camera
- **Sewers and Drains**
 - ◆ Checked the internal condition
 - ◆ By Closed Circuit Television (CCTV) Equipment

Credit: QuickView zoom camera (Google)

Tools for Routine Inspection

Given the rapid deterioration of old pipes and urgent need for pipe rehabilitation works in Hong Kong's buildings, there were big challenges to overcome before the proper functioning of the city's drainage and sewerage systems can be achieved. New methodologies and implementation strategies for pipe condition surveys and rehabilitation works must be adopted to handle these challenges.



New Technologies for Routine Inspection and Rehabilitation



Using 3D Laser Scanning for Routine Inspections



Sr KOO Tak-ming, Ir LAM Wai Wah, Ir SO Hon Ching, and CPD Convener Mr ZHANG

The LSD thanks Ir LAM Wai Wah & Ir SO Hon Ching for delivering the talk to enrich members' knowledge of the latest technologies in drainage inspection and pipe rehabilitation works.

Regulating the Operations of Small Unmanned Aircraft in Hong Kong

The Small Unmanned Aircraft Order (SUA Order) was gazetted on 16 July. It was tabled in the Legislative Council for negative vetting on 21 July.

The Order calls for SUA operations to be regulated under a risk-based approach in accordance with the weight of the SUA and operational risk level. SUA operations of different risk levels will be subject to the corresponding regulatory requirements, which may include the registration and labelling of SUAs, registration of remote pilots, training and assessment, proper equipment, operating requirements, and insurance.

It follows that suitable training and assessment criteria must be in place to enable operators to understand and develop situational awareness and safety management skills through flight planning, risk assessment, and mitigating measures.

The SUA Order will commence on 1 June 2022. A six-month grace period will be given to allow the public to familiarise itself with the new requirements and prepare for compliance.

The matters will be included in the agenda of the Working Group on UAS Meetings to be held in mid-August 2021.