

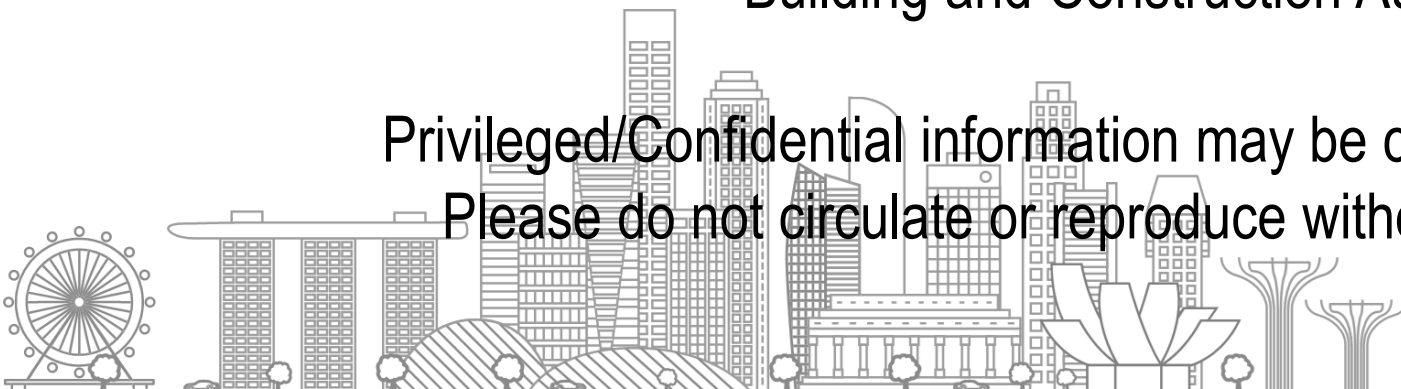
New Regulatory Regime for Man Machine Interface (MMI) of Mechanised Car Parking System (MCPS)

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Agenda

- To present new regulatory requirements for new and existing MCPS



Introduction

- MCPS is a system for the mechanized parking and retrieval of vehicles.
- The MCPS would have **man-machine interface** through which the driver interacts with the equipment during the process of parking of the vehicle.



Introduction

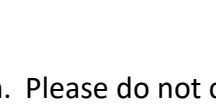
Man machine interface - for a Mechanised car parking system, means all parts of the Mechanised car parking system other than a part of the Mechanised car parking system that

(a) is designed for the storage of a vehicle; and

(b) is not intended to be accessible by any person operating or using the Mechanised car parking system

This includes, but is not limited to,

- The transfer area and control panel,
- Control logic that regulates all interactions between driver and MCPS (including Side doors).



Acceptable Standard

- The acceptable standard in terms of design, construction, installation, testing and inspection of the man-machine interface of MCPS are
 - BCA's Code of Practice for MCPS
 - EN14010 – Safety of machinery Equipment for power driven parking of motor vehicles — Safety and EMC requirements for design, manufacturing, erection and commissioning stages.
- The acceptable standards for operations and maintenance
 - BCA's Code of Practice for MCPS



BCA's MCPS COP

- BCA has published the electronic copy of the COP on 01 January 2022 in the link below.
- <https://www.corenet.gov.sg/media/2330625/code-of-practice-mechanized-car-parking-system.pdf>



New regulatory requirement

- Summary of new legislative requirements
 - Must comply with the standards (BCA's COP for MCPS or EN14010)
 - Require plans submission
 - Require PTO
- New legislative requirements will affect the following MCPS whose first plans are submitted on or after 01 July 2025:
 - New MCPS installations in new/existing buildings
 - Existing MCPS which undergoes major A/R works



New regulatory requirement

- Existing MCPS that are already in operation will not be affected by the new requirements.
 - We will seek to apply the new requirements to existing MCPS 3 years after 01 July 2025, to allow time for industry to prepare.
 - In the meantime, owners can voluntarily comply with requirement of the regulation and obtain a PTO before the 3 years deadline .



MCPS that are not in operation

- For existing MCPS that is not in operation:
 - It should be cordoned off and
 - All access into the MCPS by members of public, including any vehicle, should be prohibited.
- For New MCPS installations and Existing MCPS which undergoes major A/R works, if they are not in operation but is used as static parking lots:
 - Owner of the MCPS must still obtain a PTO and maintained according to the scope and frequency as specified by the manufacturer.

***Please seek approvals from LTA and URA if you decide to stop the operation of MCPS.**

Thank you



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