

Transport Department  
Vehicle Safety and Standards Division  
Technical Guideline for Remote Control Parking Function

- 1 Legislative Amendment regulating remote control parking system of vehicles comes into effective on **1 March 2025**
  - 1.1 The remote control parking (“RCP”) system enables the driver to use a device (such as mobile telephone or key fob) to remotely control and park the vehicle at designated parking space. During the course of operation, the driver should stay remotely but close to the vehicle in order to monitor and control the vehicle.
  - 1.2 The Regulation 42(1)(1A) of the Road Traffic (Traffic Control) Regulations (Cap. 374 sub. leg. G) (“Cap. 374G”) was added to supplement Regulation 42(1)(g) of Cap. 374G in order to allow the use of a mobile telephone or other telecommunications equipment by a driver when the motor vehicle driven by the driver is in motion<sup>1</sup> for the use of RCP system under specified conditions.
  - 1.3 As stipulated in the Regulations 40C of Road Traffic (Construction and Maintenance of Vehicles) Regulations (Cap. 374 sub. leg. A) (“Cap. 374A”), **a motor vehicle must not be equipped with a RCP system unless the system is an approved RCP system.**
  - 1.4 This guideline serves to provide guidance to the trade when applying for the approval of RCP system.
- 2 Technical requirements of RCP system
  - 2.1 Pursuant to Regulations 40C of Cap. 374A, RCP system should comply with the following:

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<sup>1</sup> The previous Regulation 42(1)(g) of Cap. 374G used to prohibit the driver from using a mobile telephone or any other telecommunications equipment while holding it in his hand if the motor vehicle being driven by him was in motion. As the use of the RCP function to control the vehicle was considered to be driving the vehicle, the driver, in using the mobile telephone or other telecommunications equipment to remotely park the vehicle, contravened the Regulation 42(1)(g) previously. After the legislative amendment of Regulation 42(1)(g) of Cap. 374G the above arrangement is no longer the contravention to the concerned regulation.

## **RCP System <sup>2</sup>**

- 2.2 The system is capable of detecting road users, other vehicles and any other obstacles in the area surrounding the subject vehicle when the subject vehicle is being remotely parked; and
- 2.3 The system is capable of bringing the subject vehicle to a stop immediately during the condition as mentioned in para. 2.6; and
- 2.4 The system complies with the standard UNECE Regulation No. 79 (03 series of amendments) or any newer version; or equivalent standard; and belongs to the Category up to A as defined by UNECE R79 or equivalent; and
- 2.5 Maximum vehicle travel distance not exceeding 12 metres.
- 2.6 Means shall be provided to avoid obstacle along its path by the RCP.
- 2.7 Maximum vehicle speed during RCP operation not exceeding 2 km/h.

## **Hand-held device of RCP System <sup>3</sup>**

- 2.8 The application of the Hand-held device for remotely parking the subject vehicle should be continuously activated; and
- 2.9 The signal between the subject vehicle and the Hand-held device should be maintained when performing RCP; and
- 2.10 The distance between the subject vehicle and the Hand-held device should not exceed 6 metres; and
- 2.11 The Hand-held device should not be applicable, at all times when it is being so used, unless the driver of a motor vehicle who remotely parks the vehicle is outside the vehicle;
- 2.12 The RCP System should have Fail-safe function which is to terminate its operations immediately whenever any requirements of paragraphs 2.8 to 2.11 are not met.

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<sup>2</sup> A RCP system, in relation to a motor vehicles, means a system that is used to remotely park the vehicle by controlling the braking system, the steering mechanism and an accelerator device of the vehicle.

<sup>3</sup> A hand-held device of RCP system means a device that is used or designed to be used to control a motor vehicle through the remote control parking system of the vehicle.

### 3 Approval of RCP System

- 3.1 Pursuant to Regulations 40C(3) Cap. 374A, the RCP systems in respect of the model of the subject vehicle shall be approved by the Commissioner signifying in writing. Applicants should provide following supporting documents to substantiate the application for the approval of RCP System:

#### **Application of RCP system for type approval vehicle models**

- 3.2 Supporting documents to be submitted for the application includes:
- (a) An application letter with technical information i.e. full description that includes but not limited to on how the RCP systems to be operated, any limitation and precaution, and etc; and
  - (b) A test report and a certificate issued by an independent certification body for the RCP System on the compliance with the UNECE Regulation No.79 (03 series of amendments) or any newer version; or equivalent standard for the concerned model and make of the vehicle; and
  - (c) User manual and/or instruction and/or any educating material for vehicle users on the proper use of the RCP systems and any precautions for the compliance of regulatory requirements as stipulated under Regulations 40C of Cap. 374A and Regulation 42A of Cap 374G.
- 3.3 The application and the associated documents should be addressed to:
- Type Approval Section  
1M/F, Transport Department Vehicle Examination Complex,  
18 Sai Tso Wan Road, Tsing Yi, N.T.
- 3.4 Subsequent to the checking on the substantiation of the application, the sample type approved vehicle of the concerned model will be inspected and tested at vehicle examination centers if it is considered necessary.
- 3.5 Relevant approval letter will be issued for each type approved model.
- 3.6 Further update of software version on the RCP system should be notified to the Type Approval Section with substantiation including but not limited to the full description on the change of the RCP system (if any); the

concerned test report and certificate; and the user manual and/or instruction and/or educating material for vehicle users.

**Application of RCP system for individual or parallel import vehicles (to be submitted prior to the vehicle examination)**

3.7 The application and the associated documents should be submitted to:

Vehicle Safety Enforcement Section 2nd Unit  
2/F, Transport Department Vehicle Examination Complex,  
18 Sai Tso Wan Road, Tsing Yi, N.T.

3.8 Subject to the vetting result on the substantiation of the application, the concerned vehicle will be inspected and tested at vehicle examination centers during vehicle examination if it is considered necessary.

3.9 Relevant approval letter will be issued for each vehicle.

3.10 Further update of software version on the RCP system should be notified to the Vehicle Safety Enforcement Section 2nd Unit with substantiation including but not limited to the full description on the change of the RCP system (if any); the concerned test report and certificate; and the user manual and/or instruction and/or educating material for vehicle users.

**4 Enquiries**

4.1 For enquiries on vehicle type approval application please contact Type Approval Section at 3961 0362.

4.2 For enquiries on pre-registration inspection and vehicle first registration for parallel / individual imported private cars please contact Vehicle Safety Enforcement Section 2nd Unit at 3961 0323.

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