



CONSTRUCTION INDUSTRY COUNCIL  
建造業議會

# Construction Worker Registration System (CWRS) Seminar

February 2018



# About the CWRS Seminar

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5. System Components
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# 1. Terminology

## CWRS - Construction Workers Registration System

- New system to be launch in Dec-2015

## SATM - Site Attendance Module

- Current system using excel files to submit DAR

## Good List

- The list of workers assigned to work on a specific contract or site
- Controlled by the site admin or master admin of an individual contractor.

## Bad List

- The list of workers not allowed to work on a specific site
- Controlled by CIC for all contracts or sites

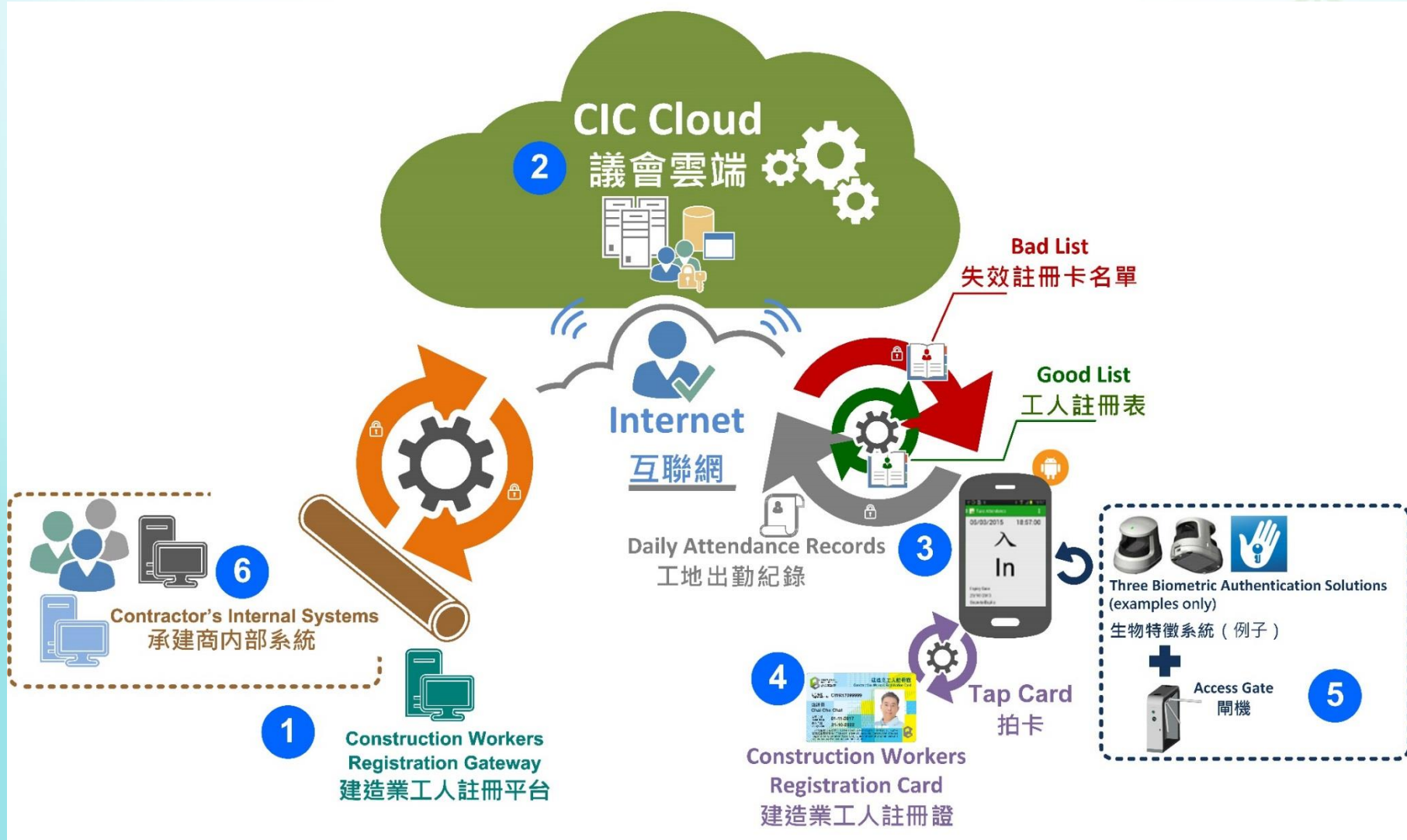
## DAR – Daily Attendance Record

## NFC – Near Field Communication

## CWRG – Construction Workers Registration Gateway (Front-end portal)

## CWR Card – Construction Workers Registration Card

## 2. System Overview



### 3. Benefits

1. Enhanced flow of collection & submission of DAR
2. More options on card readers to record the workers registration card information
3. Web-based managing platform for daily site administrator work
4. Increased accuracy of DAR collection
5. Simplified registration process for workers
6. Workers can access their DAR on CWR card
7. Multipurpose on one card



# 3. New Construction Workers Registration Card



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**新**  
NEW

## 建造業工人註冊證

Construction Workers Registration Card



註冊編號  
Registration No. CWR17099999

齊註冊  
Chai Chu Chat

簽發日期  
Issue Date 01-11-2017

有效日期  
Expiry Date 31-10-2022

此證是根據《建造業工人註冊條例》(第583章)發出。非法使用他人註冊證屬嚴重刑事罪行。 This card is issued under the Construction Workers Registration Ordinance (Cap. 583). Unlawful use of another person's registration card is a serious criminal offence.

- 記錄其他與建造業相關的資格  
Record other construction-related qualifications
- 記錄最近的個人拍卡紀錄  
Store latest card tapping records
- 「一證多用」減少帶證數量  
Reduce the number of cards to be carried



資格列表  
Qualification List

**舊**  
OLD



建造業工人註冊證  
Construction Workers Registration Card

註冊編號  
Registration No. CWR17099999

姓名  
Name 齊註冊  
Chai Chu Chat

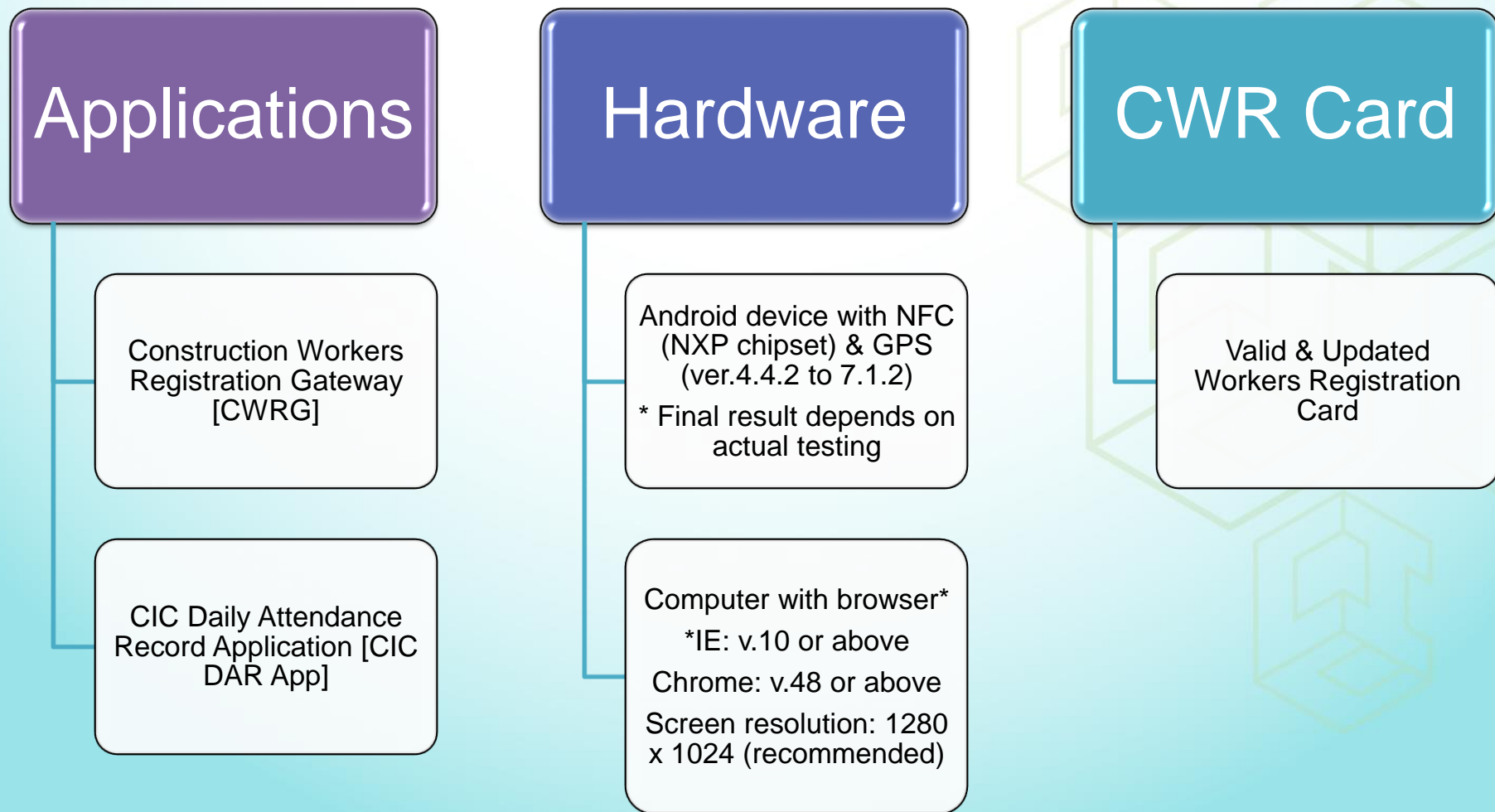
有效期至  
Expiry Date 31-10-2017

此證是根據《建造業工人註冊條例》(第583章)發出。非法使用他人註冊證屬嚴重刑事罪行。 This card is issued under the Construction Workers Registration Ordinance (Cap. 583).

## 4. Roles & Duties

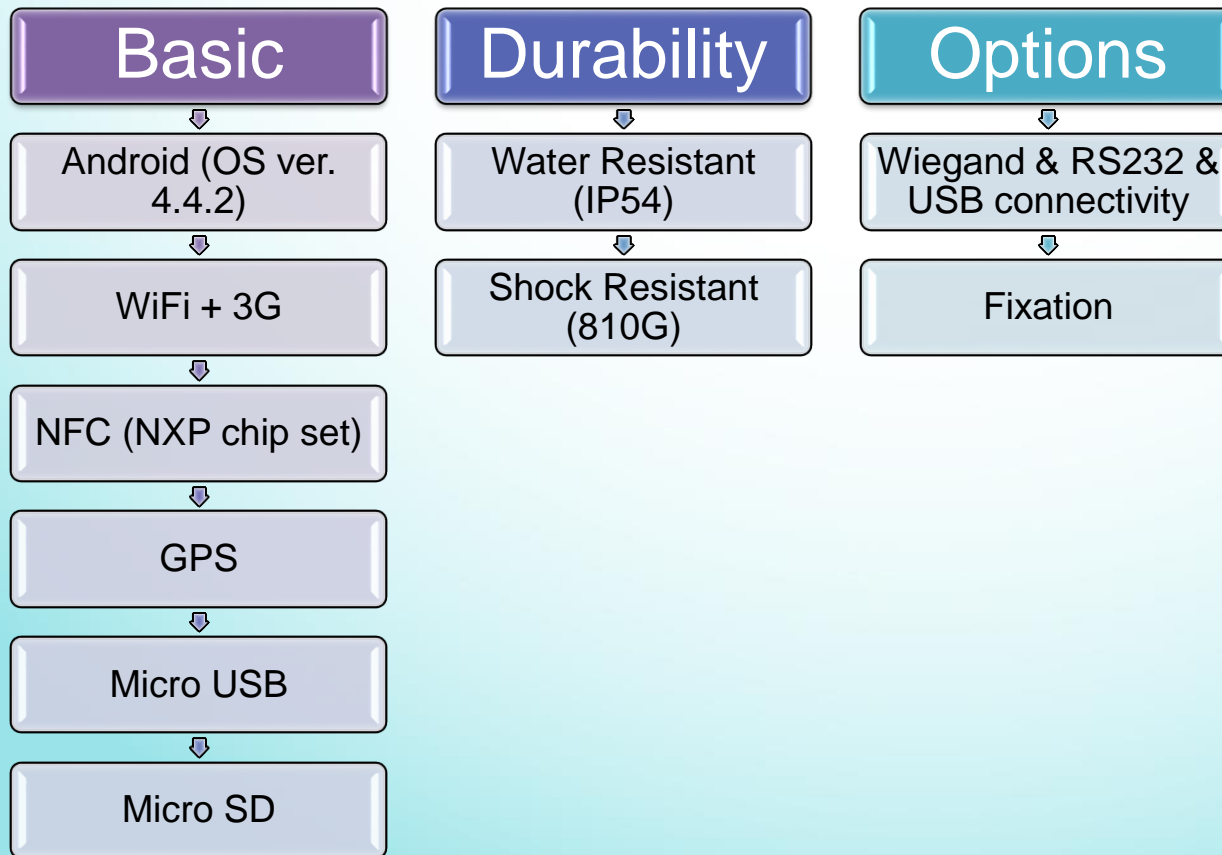
Roles	Duties
Site Admin	<ul style="list-style-type: none"><li>•Manage and edit Good List and DAR</li><li>•Submit DAR via CWRG</li><li>•Login CIC DAR App for admin functions</li></ul>
Master Admin	<p><u>In addition to the access rights of the Site Admin:</u></p> <ul style="list-style-type: none"><li>•Create / manage / delete site admin accounts</li><li>•Manage Contracts</li></ul>
Workers	<ul style="list-style-type: none"><li>•Tap CWR Card on CIC DAR App to create attendance record</li></ul>

# 5. System Components





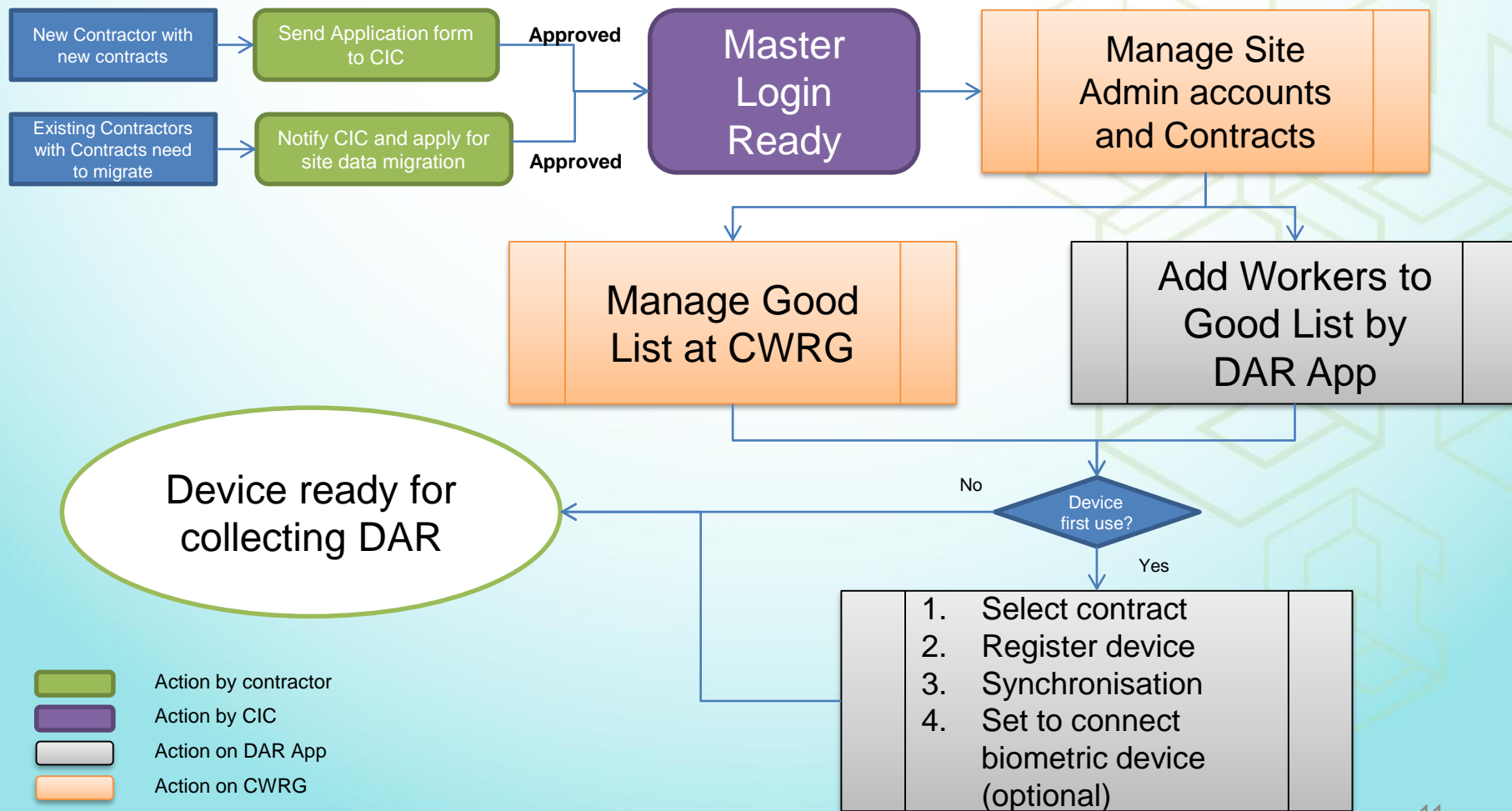
# 6. CIC Android Device



# 7. Other tested Android Devices

1. HTC One E8
  2. HTC One ME
  3. HTC Desire 530\*
  4. HTC U Play\*
  5. Huawei Honor 6 Plus
  6. InFocus Vibe P1
  7. LG G3
  8. LG G3 Beat
  9. LG GPro2
  10. LG G4 Stylus
  11. LG G5\*\*
  12. LG Sytlus 2\*
  13. LG Sytlus 3\*\*
  14. LG X Power\*
  15. LG K10 Power\*\*
  16. LG K10 2017\*\*
  17. Meizu Pro5
  18. Nilamtec A1\*\*
  19. Motorola Moto G5 Plus\*\*
  20. Samsung Galaxy A8
  21. Samsung Galaxy C5\*
  22. Samsung Galaxy Grand Prime
  23. Samsung Galaxy J5 2016
  24. Samsung Galaxy Note 5
  25. Solution Expert C530
  26. Sony Xperia C3
  27. Sony Xperia SP
  28. Sony Xperia Z5 Premium
  29. Sony Xperia M4 Aqua
  30. Sony Xperia XA\*
  31. Sony Xperia XA1\*\*
  32. UniStrong E7738A1 (HK ver.) (\* Android ver. 6.0)
  33. UniStrong E7759-B2\*\* (\*\* Android ver. 7.0)
  34. Xiaomi Mi5\*
1. The CIC does not hold any bias towards any brands or models of mobile device for DAR operations.
  2. The list above is only a record of testing devices. Contractor users are free to choose any mobile device as long as they fulfill the basic requirements for the CIC Attendance apps operations

# 8. Setup Procedure



## 9. Daily Operation after Setup

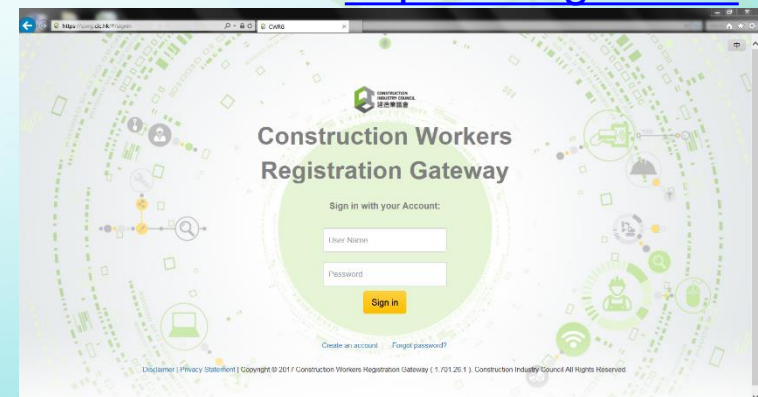
Raw data will synchronize with CWRs automatically at

- Around 04:00, 10:00, 16:00, 22:00 (4 times daily)
- Duties during the 7-day cycle:
  1. Check raw DAR
  2. Edit DAR if necessary
  3. Submit DAR in time

# 10. Manual Highlight - CWRG

- Contractor/ Contract Profile [[chapter 2.2](#)]
  - Apply new contract/ Update request
- DAR – Editing & Submission [[chapter 2.3](#)]
- Good list Conflicts [[chapter 2.4.1](#)]
- Export and Download [[chapter 2.4.2 & 2.4.4](#)]
- Email notifications [[chapter 2.4.8](#)]
- DAR for verification [[chapter 2.4.9](#)]
- Heartbeat [[chapter 2.4.11](#)]

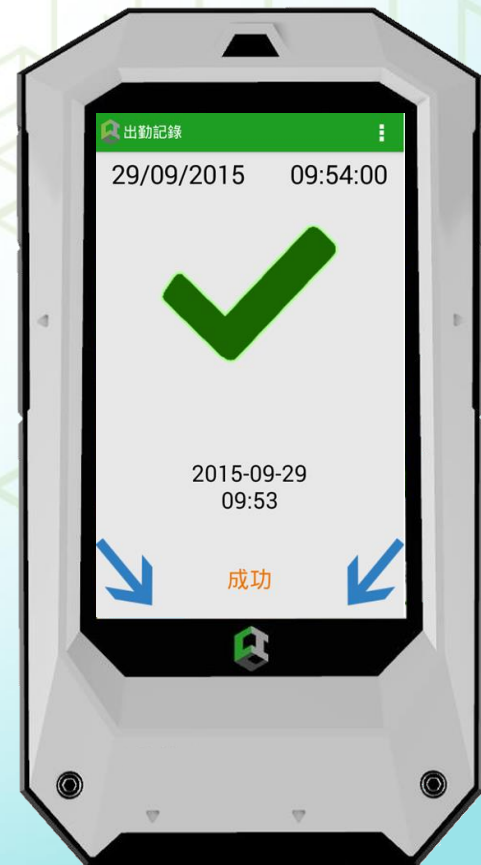
<https://cwrq.cic.hk/>





# 11. Manual Highlight - DAR App

- Reminder on Stable Network [[chapter 1.1.2](#)]
- Device De-/Registration [[chapter 1.1.3-4](#)]
- Setup (Tap Indicator, Biometric, Auto-start, Heartbeat, Auto Download, Return Signal Response time) [[chapter 1.1.6](#)]
- Good List Management (Add/ Edit/ Delete) [[chapter 1.2](#)]
- Data Synchronization [[chapter 1.4](#)]





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# Thank you

