



CONSTRUCTION INDUSTRY COUNCIL
建造業議會

Seminar on Construction Workers Registration System(CWRS)

Nov 2019



About the CWRS Seminar

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1. Terminology

CWRS - Construction Workers Registration System

- New system launched in Dec-2015

SATM - Site Attendance Module

- Old 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

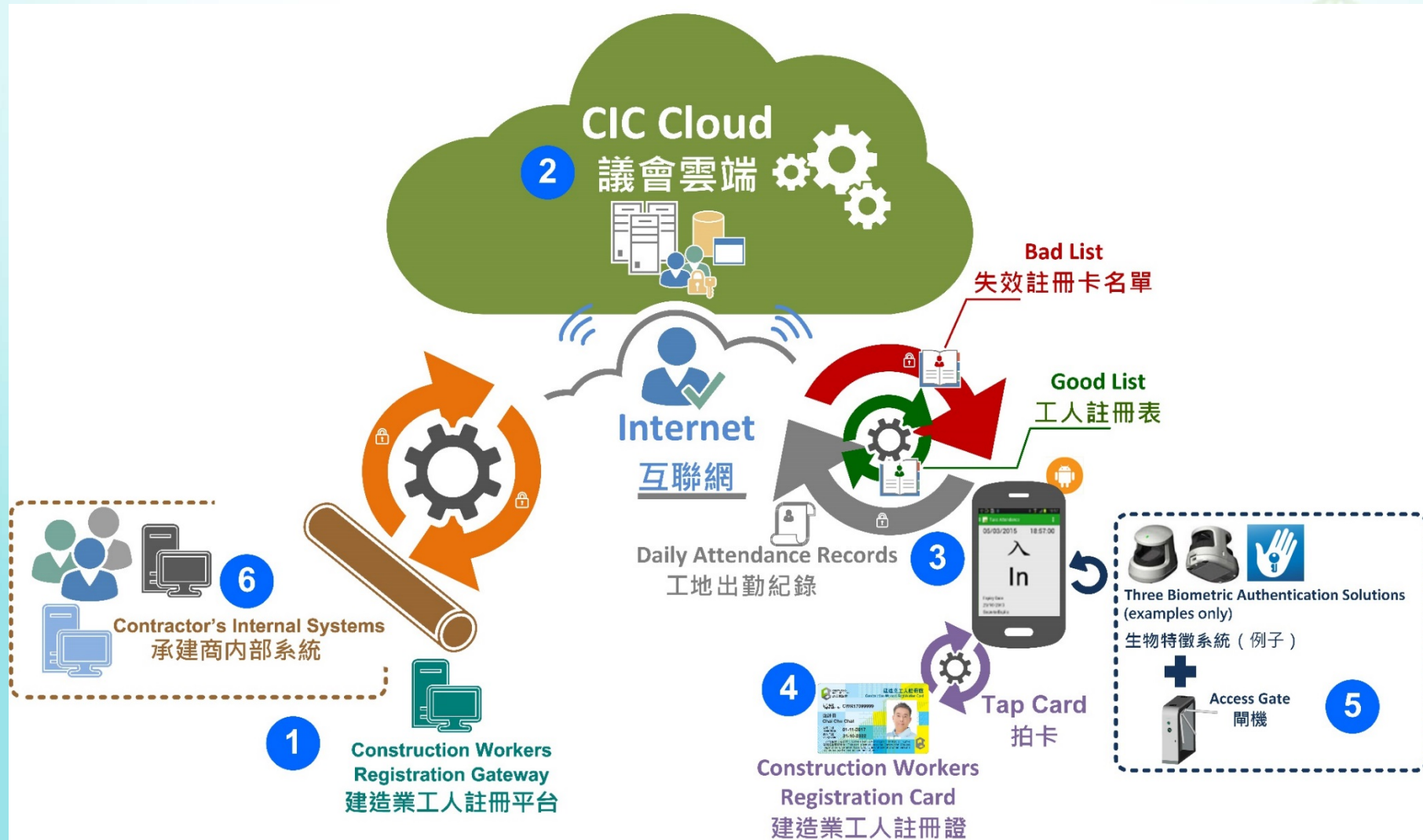
DAR – Daily Attendance Record

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

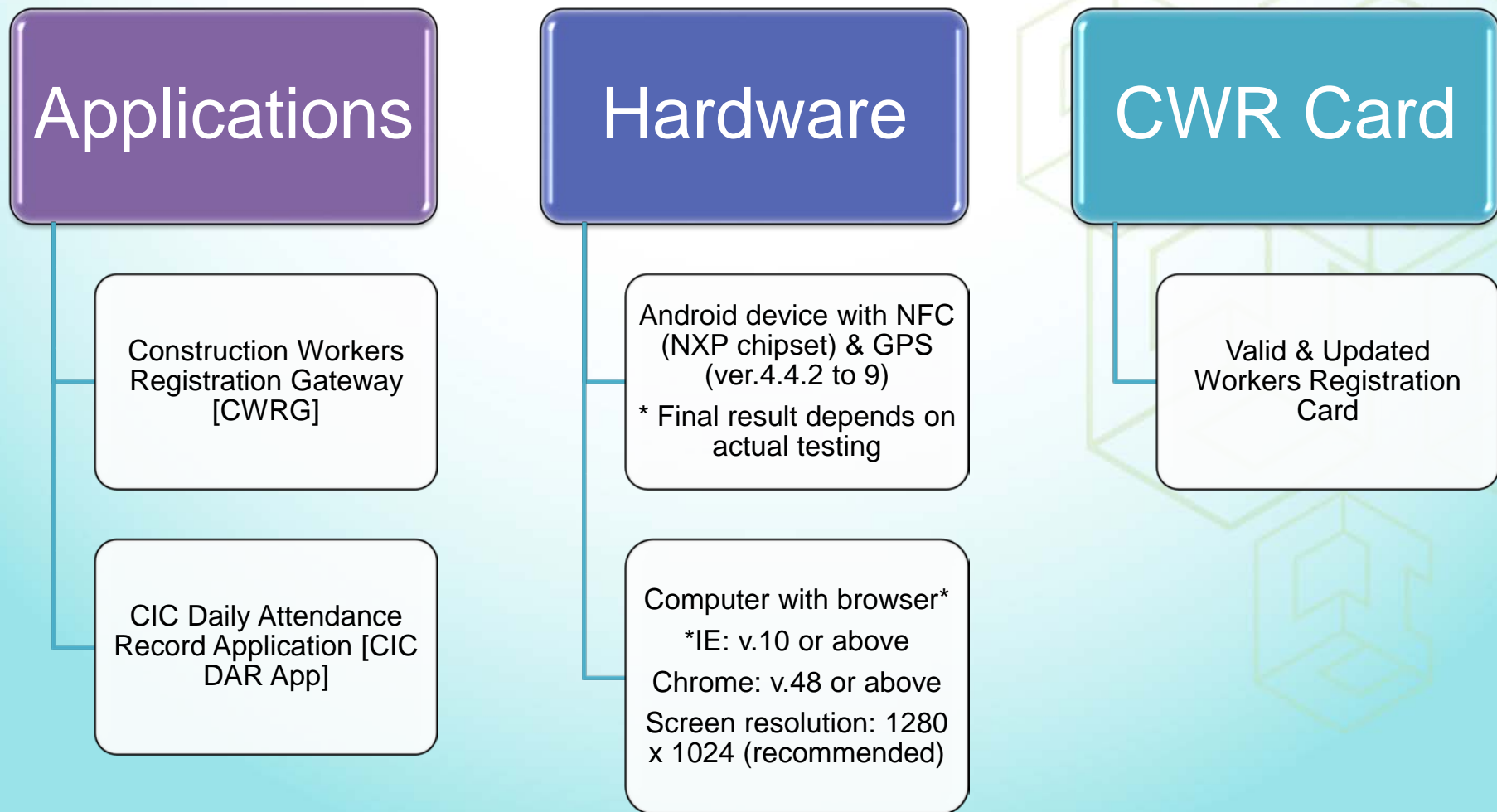
有效期至
Expiry Date 31-10-2017

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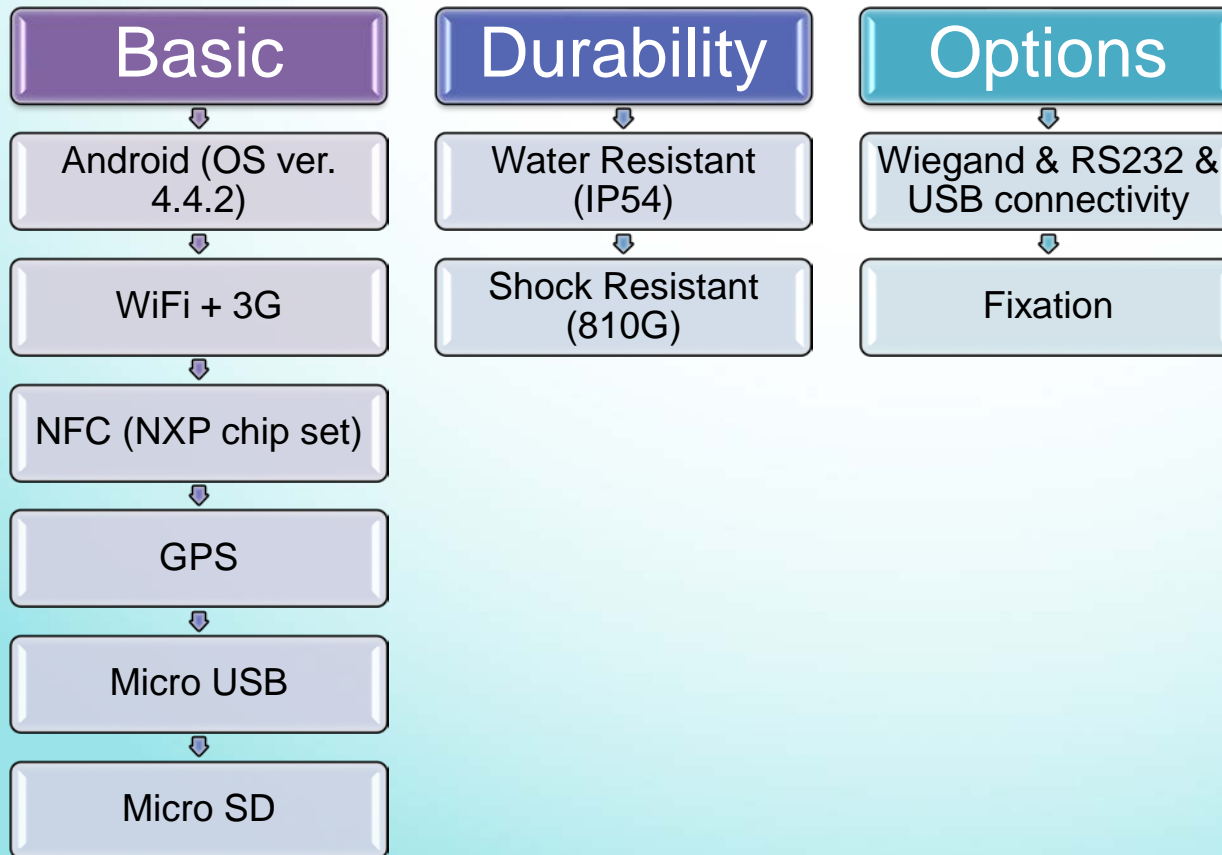
4. Roles & Duties

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

5. System Components



6. CIC Android Device



7. Other tested Android Devices

1. **Asus Zenfone 5****
2. CAT S41
3. HTC One E8
4. HTC One ME
5. HTC Desire 530
6. HTC U Play
7. Huawei Honor 6 Plus
8. **Huawei Honor 10****
9. **Huawei Y7 Prime 2018****
10. InFocus Vibe P1
11. LG G3
12. LG G3 Beat
13. LG GPro2
14. LG G4 Stylus
15. LG G5

16. LG Sytlus 2
17. LG Sytlus 3
18. LG X Power
19. LG K10 Power
20. LG K10 2017
21. **LG Q Stylus +****
22. Meizu Pro 5
23. Motorola Moto G5 Plus
24. **Nilamtec A1****
25. **Nilamtec B1***
26. **Nokia 4.2***
27. **Nokia 8****
28. **Nokia 8.1***

(* Android ver. 9.0)

(** Android ver. 8.0)

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

7. Other tested Android Devices

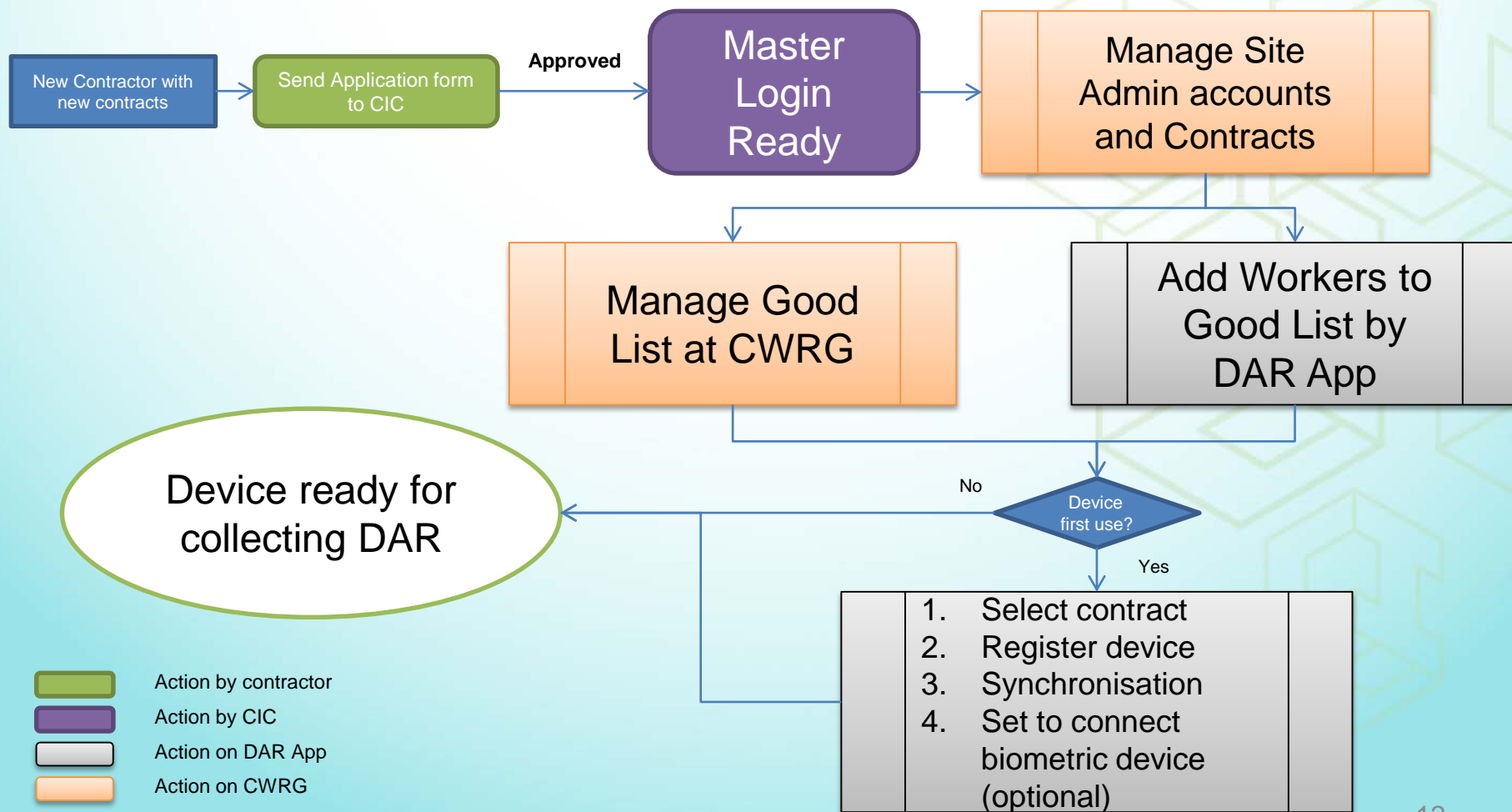
- 29. Samsung Galaxy A20*
- 30. Samsung Galaxy A8
- 31. Samsung Galaxy C5
- 32. Samsung Galaxy Grand Prime
- 33. Samsung Galaxy J5 2016
- 34. Samsung Galaxy Note 5
- 35. Solution Expert C530
- 36. Sony Xperia 10 Plus*
- 37. Sony Xperia C3
- 38. Sony Xperia SP
- 39. Sony Xperia Z5 Premium
- 40. Sony Xperia M4 Aqua
- 41. Sony Xperia XA
- 42. Sony Xperia XA1
- 43. Sony Xperia XA2**
- 44. Star On SP-3
- 45. Synergos CIC-M729
- 46. UniStrong E7738A1 (HK ver.)
- 47. UniStrong E7759-B2
- 48. Vivo Y95**
- 49. Xiaomi Mi5

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8. Setup Procedure



9. Daily Operation after Setup

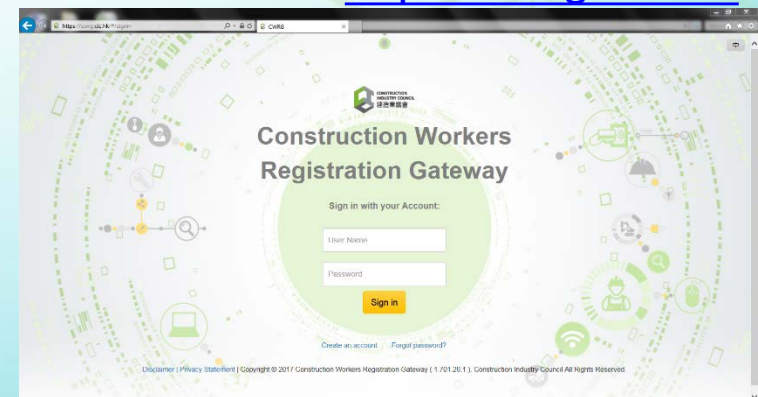
Raw data will synchronize with CWRs automatically at

- 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

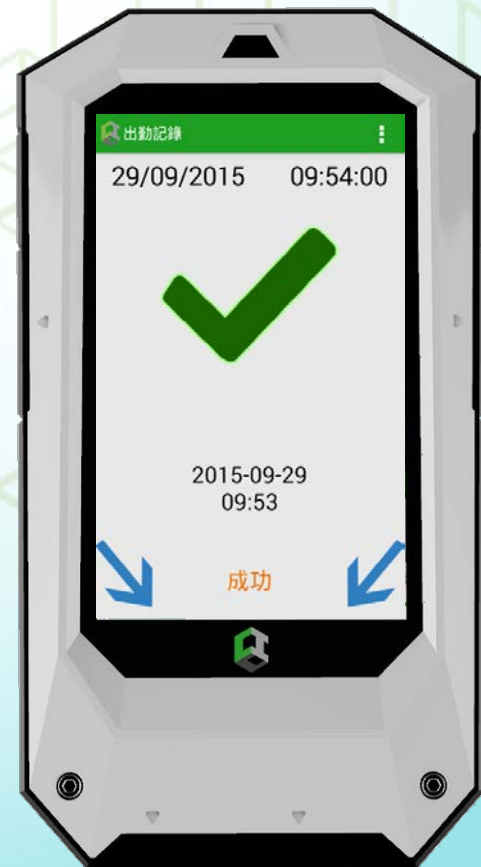
- Contractor/ Contract Profile [[chapter 2.2](#)]
 - Apply new contract/ Update request
- DAR – Editing & Submission [[chapter 2.3](#)]
- Good list Conflicts [[chapter 2.4.1](#)]
- Export and Download [[chapter 2.4.2 & 2.4.4](#)]
- Email notifications [[chapter 2.4.8](#)]
- DAR for verification [[chapter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

<https://cwrگ.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

