

openreach

ISIS practice
For Openreach and Contract Partners

AEI/ACC/Q035

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About this document ...

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Content approval

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1 *Introduction*

This ISIS is reviewed and updated annually. Between reviews any changes are communicated using Access Engineering Communications (AEC).

Links to ISIS documents, accreditation modules and all reference material can be found in:

- Technical Library, Bookstore or Policy & Build app for Openreach.
- CANDID for Contract Partners.

Answers for all modules are available via the Author of this document (see above).

In order to comply with the requirements of this accreditation module the Assessor must follow the procedure below:

- Allow the time shown for the Delegate to complete.
- Explain that reference documentation can be used.
- The criteria for **all** sections **must** be fulfilled in order to meet the requirements for this module.

2 *Scope*

The target audience for this accreditation is anyone working on the Openreach network including Contract Partners.

This module is essential for anyone carrying out *plate plant protection and lockable covers*. The overall content is covered in the following Description and Method sections, in more detail.

3 *Description*

This module consists of two parts, a questionnaire and a practical assessment.

Content: It will check the Delegates understanding & ability to complete the practical in field assessment on plate plant protection & lockable carriageway covers being installed using current working practices and quality standards.

The operative will require frame and cover renewal footway and carriageway.

Prerequisites: *The Delegate must have successfully completed the below:*

- AEI/ACC/Q024 Frame and cover renewal/Carriageway.
- AEI/ACC/Q025 Frame and cover renewal/Footway.

- SA006 or Equivalent.
- Relevant NRSWA Units.

Duration: Questionnaire 60 mins **Practical:** Open

4 *Measurement*

Questionnaire: The Delegate must achieve **80%** or greater to be successful. For Openreach people the questionnaire can be found on Learning Home as an online course using the code:ORCHK087.

Practical: Using the Module Guidance and ISIS documents for reference, the Assessor will check that the Delegate completes the tasks outlined in the Method section.

The Module Guidance outlines where coaching can be provided, highlighted by a Coaching Mark (C) next to each Assessment Pointer. No more than **30%** of the available Coaching Marks can be used.

Assessor Note: The exact score required to pass the questionnaire and the allowed amount of Coaching Marks can be found in the Delegates Details section.

Post Assessment: You **must** enter the results onto the [Skills Passport](#) or Smart Awards for Contract Partners.

5 *Safety*

Caution: If the Delegate displays a disregard for, or lack of knowledge of safety, then **STOP THE ASSESSMENT**. Re-assessment required & refer to safety module for guidance.

Using their mandatory holding of safety and relevant access equipment, the Delegate will demonstrate to the Assessor, the correct safety practices required to successfully complete this accreditation module. This may include a check of:

- Relevant safety modules on National Operative Passport Scheme (NOPS) card (Partners Only).
- Openreach Construction Design Management (CDM) 2015 Regulations Policy followed.
- Tools and Equipment.
- Safe System of Working.
- Risk Assessment and Method Statement.
- Personal Protective Equipment (PPE).
- Equipment checks.

- Relevant New Roads and Street Works Act (NRSWA) qualification.
- Locating and avoiding underground apparatus.
- COSHH (Control Of Substances Hazardous For Health).
- Gas detection equipment.
- Manual handling.
- Abrasive wheels.
- Hand and arm vibration.
- Control of Noise.
- Working in UG (Under Ground) structures.

6 *Method*

Questionnaire: Using reference documentation where required, the Delegate will complete the questionnaire. A maximum of **60** minutes is allowed for this exercise.

Practical: Using the correct tools, equipment and working practices, the Delegate will demonstrate the following:

- Preparation and excavation of the opening.
- Installation of new frame and cover lockable.
- Backfilling and reinstatement around frame and cover.
- Digital evidence recorded as per contract.
- The practical assessment can be completed under live or simulated working conditions using one of the below methods:
- On site – During a new build.
- On site – During relevant sections of different builds.
- Simulated in an approved Skill Centre or site.

The Assessor will then use the Module Guidance to verify their understanding and ability to carry out the task.

7 *Delegate Details*

| | |
|-------------------------|-----------------------------------|
| Module No | AEI/ACC/Q035 |
| Title | Assessment of Security Components |
| Date | |
| Delegate's Name | |
| UIN/Smart awards number | |
| OUC | |
| Assessor's Name | |
| Assessor's UIN | |
| Questionnaire | PASS/FAIL |
| Practical | PASS/FAIL |
| Notes | |

Questionnaire Scoring:

| Total Possible Score | Score Achieved | Required Score to Pass |
|----------------------|----------------|------------------------|
| 20 | | 16 |

Practical Scoring:

| Total Coaching Marks Available | Total Coached | Total Coaching Marks Allowed |
|--------------------------------|---------------|------------------------------|
| 6 | | 1 |

8 Questionnaire

| No. | | Mark |
|-----|---|------|
| 1 | Name the 3 types of plate plant protection that are available? Select all that apply. A. Plate plant protection high security B. Plate plant protection top security C. Plate plant protection enhanced security adjustable D. Plate plant protection enhanced security E. Plate plant protection low security | |
| | | |
| 2 | What documents are used for fitting plate plant protection? A. CN diagrams B. HAUC book C. NJUG | |
| | | |

| | | |
|---|---|--|
| 3 | <p>What type of jointing chambers can adjustable enhanced security plate plant protection be fitted to? Select all that apply.</p> <p>A. JUF2 B. JBF4 C. JRF6 D. JBF110 E. JRF111</p> | |
| 4 | <p>What standards do frames and covers footway type 'C' lockable adhere to?</p> <p>A. BS EN 123 class A 126 B. BS EN 122 class C 121 C. BS EN 124 class B 125</p> | |
| 5 | <p>When removing any covers what safety method must be carried out first?</p> <p>A. Remove cover and proceed B. Remove cover with D key C. Remove cover following safety procedures to include test for gas D. Remove cover and then place out gate guards</p> | |
| 6 | <p>Manhole entrances required to be made secure should be fitted with what? Select all that apply.</p> <p>A. Frame and cover carriageway lockable and padlock B. Plate plant protection C. Frame and cover footway 5c</p> | |
| 7 | <p>On carriageway brick build shafts and joint boxes where an existing frame and cover is being replaced/renewed for security provision, what inspection needs to be carried out?</p> <p>A. The existing top layer or layers of brick should be inspected</p> | |

| | | |
|----|--|--|
| | B. The existing top two layers of layers of brick should be inspected C. The existing top three layers of brick should be inspected | |
| | | |
| 8 | When is it permissible to supply manholes and jointing chambers with lockable frames and covers? Select all that apply. A. If they are available at the depot they must be always fitted B. When required by Openreach C. Specified within the schedule of work D. If the chamber is in a rural area | |
| | | |
| 9 | What are the new range of footway frames and covers, including precinct covers made available with? A. Integrated locks and fitted into a reinforced frame that is bolted to the joint box B. Cover connecting pins C. Padlocks | |
| | | |
| 10 | What type of lock has been introduced on the new footway covers? A. Yale B. Turnbuckle C. Abloy D. Ingersoll | |
| | | |
| 11 | What type of key is used to lock and unlock a security footway cover? A. Key security 1A B. Key security 2A C. Key security 3A | |
| | | |
| 12 | When removing the adjustable plates plant protection, fitted on joint | |

| | | |
|----|--|--|
| | boxes 106, 110, 111. What type of key is to be used? | |
| | <p>A. Key joint box No 5</p> <p>B. Shim insertion tool</p> <p>C. T keys</p> | |
| | | |
| 13 | <p>In what circumstances would it be unsuitable to install plate plant protection? Select all that apply.</p> <p>A. Unsound brickwork</p> <p>B. The position of ducts</p> <p>C. Lack of vertical clearance between the plant occupying the box and the underside of the covers</p> <p>D. Pedestrian or traffic sensitive</p> | |
| | | |
| 14 | <p>What type of lock is fitted to the plate plant protection?</p> <p>A. Yale</p> <p>B. Slam lock</p> <p>C. Abloy</p> | |
| | | |
| 15 | <p>What additional plant protection items can be installed with footway frame and cover No.6? Select all that apply.</p> <p>A. PPP High security (2 x padlocks)</p> <p>B. PPP Enhanced security adjustable (1 x padlock)</p> <p>C. PPP Enhanced security (1 x padlock)</p> | |
| | | |
| 16 | <p>What is the weight of a lockable type C footway frame and cover No.2?</p> <p>A. 42kg</p> <p>B. 52kg</p> <p>C. 62kg</p> | |

| | | |
|----|--|--|
| | | |
| 17 | <p>What is the tolerance permitted for final levels when installing a frame and cover?</p> <p>A. +/- 10mm B. +/- 15mm C. +/- 5mm D. +/- 6mm</p> | |
| | | |
| 18 | <p>What is the tolerance for rocking covers?</p> <p>A. +/-6mm B. Nil C. +/- 4mm</p> | |
| | | |
| 19 | <p>If a security lock is missing or damaged what process must be taken? Select all that apply.</p> <p>A. Report to the Network repair operations team B. TDFS must be processed C. A1024 using appropriate defect and remedy codes D. Close the lid and leave it as you found</p> | |
| | | |
| 20 | <p>To enhance security against unauthorised entry of Openreach chambers, when lockable frames and covers are renewed, releveled, or replaced, the frame shall be bedded on material compliant with?</p> <p>A. C20/30 B. C35/40 C. HA104 D. HA109</p> | |
| | | |

9 ***Modular Guidance (Practical)***

The below table should be used as a guide for the Assessor to accurately assess the Delegates knowledge and ability during the practical assessment.

Coaching Marks 'C' are explained in the Measurement section and the total allowed can be found in Delegate Details.

If an Assessment Pointer is followed by an 'X' then not only is no coaching allowed, but failure to meet the standard on the Assessment Pointer means that the standard has not been met for the accreditation a whole.

| Task Assessment | Assessment Pointers | Coaching | Document Guidance |
|--|--|-----------------|--------------------------|
| Prerequisites | Successfully completed. | X | |
| Questionnaire | Completed at required 80% or above. | X | |
| Trained /Skilled | The delegate is trained, experienced and competent in this skill. | X | |
| | Behaviour and wellbeing, does the person have any difficulty/concerns coping with this task. | X | |
| Safety | All safety procedures followed, and safe working practices adopted. | X | |
| | LSBUD (Line Search Before yoU Dig) process followed. | X | |
| Risk Assessment | An on-site risk assessment should be carried out. | X | |
| Personal Protective Equipment (PPE) | Correct PPE held, in good condition and used where necessary. | X | |

| | | | |
|--|--|----------|--|
| Environment | Weather conditions considered before commencing work. | X | |
| Equipment Available | Delegate has the correct tools and they are in good condition to complete the task to the current working practices and quality standards. | X | |
| | Cable locating and tracking equipment available and used correctly. | X | |
| Job Pack/Work Instructions | All prints and job pack understood. | X | |
| | Ensure CN drawings are available. | X | |
| General | Co-ordination between the team while work is in progress. | X | |
| | Digital evidence recorded. | X | |
| Work Site | Site marked out and services identified. | X | |
| | All SLG (Sign Lighting Guarding) used correctly. | X | |
| | Correct procedure used for removal and replacement of footway cover. | X | |
| | Correct procedure used for gas testing. | X | |
| Excavation | Marked, cut, and excavated around old frame and cover. | C | |
| | Old cover removed. | X | |
| | Old frame removed. | X | |
| Installation of new frame and cover | Surfaces prepped; correct level obtained. | C | |
| | New lockable frame correctly bedded on to chamber. | C | |
| | Frame level. | X | |
| | Voids rubbed up. | X | |
| | Cover replaced. | C | |
| | No rocking of footway frame and cover. | X | |
| Completion | Surround around frame and cover if | C | |

| | | | |
|--|--|---|--|
| | required. | | |
| | Reinstatement around frame and cover. | C | |
| | Ensure chamber is clean, tidy and all rubbish removed. | X | |
| | Site made safe or all SLG removed. | X | |

10 *References*

All the documents below are available through the sites and systems described in the Introduction section. If you require access to external sources within them, then please contact the Author (see above) of this accreditation module.

Assessors Note: All Openreach people should have access to the Policy & Build app via their work mobile phones. Please make sure that this app is accessed during the accreditation.

- LN550.
- EPT/UGP/B012.
- SEC/STD/A033.

| |
|-----------------|
| END OF DOCUMENT |
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