SLAM Point™

Stop · Look · Assess · Manage · Stay Safe

User Manual — Point of Work Risk Assessment (POWRA) for construction and utilities

Version 3.1 · October 2026 · Geos-IT Ltd · slampoint.geosit.co.uk

What SLAM Point is

SLAM Point turns the paper POWRA into something your team completes on a phone at the point of work, with photographic evidence. It runs in the browser, works with no signal, and produces a professional PDF for your health and safety file.

It is built around one idea: **the assessment should happen where the work happens.** A form filled in the van an hour earlier is not a point of work assessment. SLAM Point makes doing it properly faster than doing it badly.

Important. SLAM Point helps a competent person record a point of work risk assessment — it does not replace one. You remain responsible for deciding whether the controls are suitable and sufficient for the actual site conditions (MHSWR Reg 3, CDM 2015). Suggested controls, PPE and statutory prompts are guidance, and the automatic review is advisory.

What's new

Completed assessments are locked. Marking an assessment Complete asks you to confirm, records who completed it and when, and makes it read-only. Corrections are made on a duplicate, so the original always stays exactly as it was signed. *(v3.1)*
Choose where your PDFs go — save to the phone, or send straight to OneDrive, Teams or any app. Signing off makes the PDF immediately. *(v3.0)*
Every hazard category is on the PDF, including hazards considered and found not applicable, and **photos keep their true shape** in a thumbnail grid that keeps the PDF small enough to email. *(v3.0)*

The assessment in eight steps

1	2	3	4	5	6	7	8
Details	Hazards	Emergency	PPE	Sign-off	Signatures	Site review	Finish

Every step works with no signal, and your work saves automatically as you go.

1. Getting started

1.1 Install it on the phone or tablet

SLAM Point is a web app, so there is nothing to download from an app store. Open **slampoint.geosit.co.uk** and add it to the home screen.

Android (Chrome)	iPhone / iPad (Safari)
Tap the three-dot menu → **Add to Home screen** (some phones say **Install app**)	Tap the **Share** icon → **Add to Home Screen** → **Add**

Please install it rather than using a browser tab. The installed app opens full-screen, starts faster on site, and is less likely to have its storage cleared by the browser — which is where your assessments live.

1.2 Accept the terms

The first time you open SLAM Point you are asked to read the Terms & Conditions and the Privacy Policy. Scroll to the bottom, tick the confirmations — that you understand SLAM Point does not replace a competent person, that you are competent or working under competent supervision, and that you accept the privacy terms — then accept. You are asked again only when the terms change.

1.3 Your licence, or a free trial

Choose **Have License** and enter your company name exactly as it appears on your licence email, with the key (format **SLAM-XXXX-XXXX-XXXX**). Or choose **14-Day Trial**, choose your plan by number of devices — Solo (1), Team (up to 5), Business (up to 25), Fleet (up to 100) or Enterprise (101+) — and fill in your details. No key or card is needed.

	What to expect
First unlock	Needs an internet connection once. After that the app works offline until the licence expires.
Later, when online	The app quietly re-checks the licence. A licence that has expired or been revoked stops working.
On a new device	Enter the same company name and key. Your plan covers a set number of devices.
Free trial	14 days. Everything works except company branding — trial PDFs carry the SLAM Point logo. Buy a licence at slampoint.geosit.co.uk/pro to carry on.

1.4 Create your account

Each person sets up a user on the device: **full name**, **company** (optional), a **4–6 digit PIN**, and a **recovery question** chosen from a list of six. Your name is used as the Person in Charge on the assessments you create, so enter it as it should appear on a formal record.

Several people can have accounts on one device — useful for a shared site tablet. On the login screen choose **Add a new user**.

Choose a recovery answer you will remember. Accounts and PINs are stored only on the device and are never sent to Geos-IT, so nobody — including us — can reset your PIN for you. The recovery question is the only way back in.

1.5 Choose where your PDFs go

The first time you reach the home screen, SLAM Point asks **"Where should your POWRA PDFs go?"**

Option	What happens when you sign off an assessment
Save to this phone	The PDF downloads automatically. Android puts it in the Downloads folder; iPhone asks for one confirmation tap.
Send to OneDrive or Teams	Your phone's share menu opens with the PDF attached. Pick OneDrive, Teams, email or any other app, then the folder — your project folder, for example.

Change it at any time from **Menu → PDF on sign-off**. Section 5.2 covers the details.

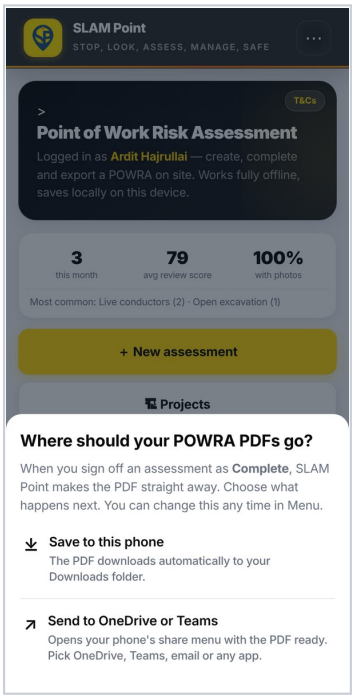
1.6 Auto-lock

Menu → Auto-lock sets how long the app waits before locking the screen: Off, 2, 5, **15 (the default)**, 30 or 60 minutes. **Lock now** locks it straight away. Unlocking needs only your PIN and returns you exactly where you were. On a shared tablet a short time is sensible — it stops someone signing an assessment under your name.

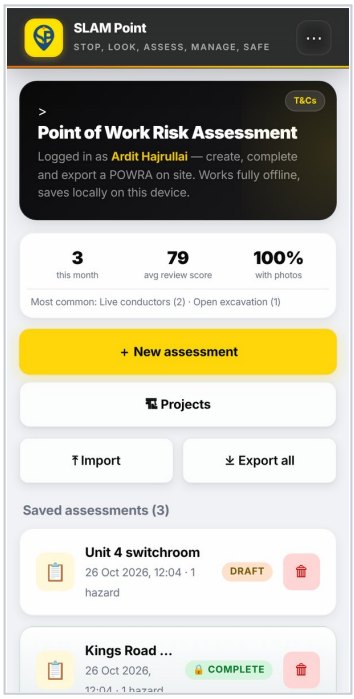
2. The home screen

The home screen lists the assessments saved on this device, newest first, each marked **DRAFT**, or **COMPLETE** with a lock symbol once it has been signed off. Tap one to open it; the bin icon deletes it after you confirm.

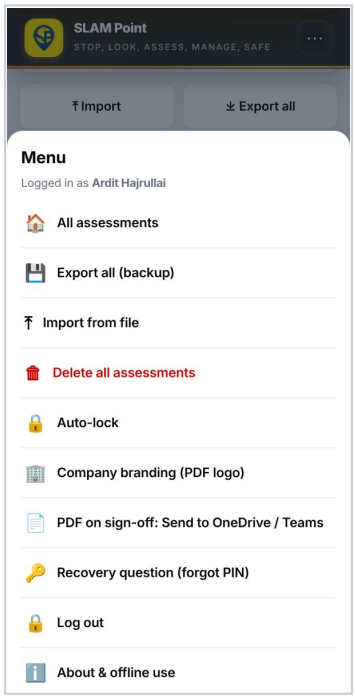
Button	What it does
New assessment	Starts a POWRA. If you have projects, you are asked which one it belongs to.
Projects	Opens your projects (section 3).
Import	Restores assessments from a backup file.
Export all	Saves one backup file of every assessment on the device.
••• (top right)	Opens the Menu (section 8.1).
T&Cs	Shows the terms you accepted.



First open: choose where PDFs go



The home screen and your statistics



The Menu

2.1 Your statistics

Once you have assessments, a summary appears at the top of the home screen and on each project:

Figure	What it tells you
This month	Assessments started this calendar month
Avg review score	The average SLAM Review score (section 6)
With photos	The share of assessments with photographic evidence — shown in red below 50%
Need better controls	Assessments that scored below 60 in the review
Completed very fast	Assessments finished in under a minute
Most common	The hazards your crew meets most often

Need better controls and **Completed very fast** are worth watching. They are the signals that most often separate an assessment done at the work face from one filled in afterwards.

3. Projects

A project groups the assessments for one job. It also holds the site details, so your crew is not retyping the same address and job number every shift.

3.1 Creating a project

From the home screen tap **Projects**, then **New project**. You can record:

Field	Used for
Project / site name	How the job appears in your list (required)
Job / contract number	Copied into every assessment on this project
Site address	Copied into the location of every new assessment
Principal contractor	Shown on the project so the crew knows who is running the site
Site manager, Site supervisor, HSE principal	The people to contact, shown on the project page
Notes	Anything the crew should know before starting

3.2 Working on a project

Open a project to see its assessments and its own statistics. **New assessment** on a project starts a POWRA with the site details already filled in. When you start one from the home screen, SLAM Point asks which project it belongs to — choose **One-off — no project** for a callout that is not part of a job. If you have no projects yet, it does not ask.

> Deleting a project never deletes its assessments. They move to **No project** and stay in your records.

4. Creating an assessment

Tap **New assessment**. The app walks you through eight steps shown along the top of the screen. You can move back and forth at any time, and your work is saved continuously until the assessment is completed.

1 Details — where, what, and the conditions

Enter the **location**, a plain **description of the works** and the **job number**. The date and time are stamped automatically and locked.

Smart Environment Check. Tap **Fetch weather for this location** to record wind, gusts, temperature, rain and sunset. SLAM Point flags high wind (32 km/h or more, or gusts of 40 km/h or more), rain, temperatures of 2°C or below or 27°C or above, thunderstorms, and sunset within 90 minutes — so lighting is planned. With no signal it shows the last fetch.

Pre-work assessment. Record whether a detailed pre-work assessment exists and whether its controls were fully applied.

CDM 2015. Say whether this is construction work. If it is, record the Construction Phase Plan reference (required) and the RAMS this POWRA sits under. If more than one contractor is involved, name the Principal Designer and Principal Contractor (both required) and the client. Enter the planned duration, peak workers and person-days: SLAM Point applies the F10 test — more than 30 working days with more than 20 workers at the same time, or more than 500 person-days — and if the project is notifiable it asks for the F10 reference.

Tip: Describe the works in plain terms. “Replace LV cable joint in footway, Plot 5” is far more useful than “cable work” — and the SLAM Review reads it (section 6.2).

2 Hazards — what could hurt someone

55 hazards in 11 categories: Electricity; Location & Access; Work Environment; Roadside Activities; Work at Height; Tools / Equipment; Handling / Lifting; Substances / micro-organisms; Confined Spaces; Plant, Vehicles & Lifting; Other Considerations. Each category also has a box for any other hazard.

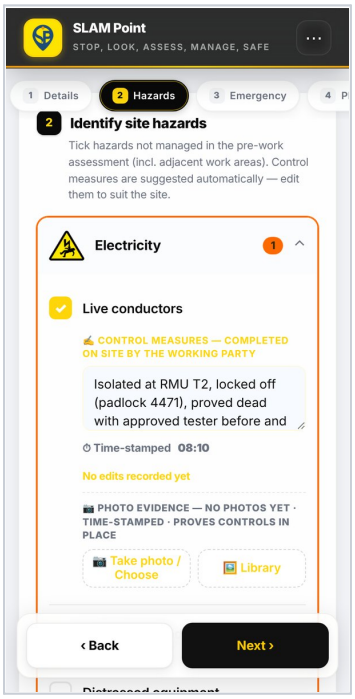
Tick each hazard not already managed by the pre-work assessment, including adjacent work areas. A **suggested control measure** is filled in for you — edit it to describe what you are actually doing on this site. The time is stamped, and the app records whether you edited it. Add photos with **Take photo** or **Library**.

Statutory panels. When a hazard needs more than a sentence, a panel opens beneath its category with the questions the law expects. Items marked **required** must be answered before the assessment can be marked Complete; **recommended** items are flagged on the Finish step. Where an item does not apply, tap **N/A** — it is recorded as not applicable, with the time.

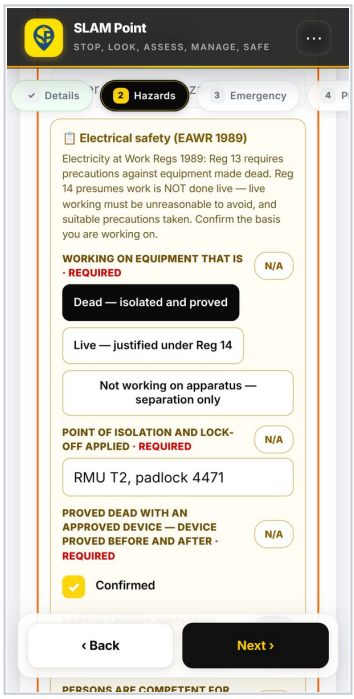
Tip: A photo per hazard is the strongest evidence you can leave. It shows the condition as it was at the time of the assessment.

The 17 statutory panels

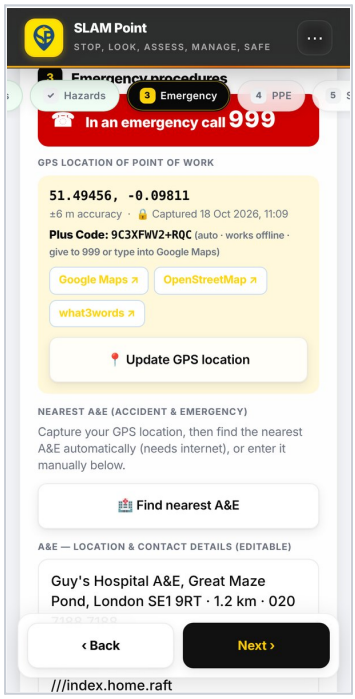
Panel	Panel
Electrical safety (EAWR 1989)	Excavation / breaking ground (HSG47)
Electrical safety documents — permit, sanction-for-test	Lifting operations (LOLER 1998)
Work equipment (PUWER 1998)	Work at height — rescue (WAHR 2005)
Hazardous substances (COSHH 2002)	Noise (Noise Regulations 2005)
Asbestos (CAR 2012)	Vibration / HAVS (Vibration Regulations 2005)
Confined space entry	Manual handling — TILE assessment
Street works / traffic management	Plant & pedestrian safety
Hot works / fire	Temporary works
Lone working	



Step 2: tick a hazard, edit the suggested control, add photos



A statutory panel: required items and N/A



Step 3: GPS, Plus Code and the nearest A&E

3 Emergency — what happens if it goes wrong

Tap **Capture GPS location**. SLAM Point records the coordinates, their accuracy and the time, and works out a **Plus Code** — a short location code that works offline and can be given to 999 or typed into Google Maps. Links open the spot in Google Maps, OpenStreetMap or what3words.

Tap **Find nearest A&E** to look up the closest emergency department (needs a signal). The result is editable, and you can type the hospital in yourself. For its what3words, tap **Get the 3 words** to open the map at the A&E, read the three words at the pin and type them in.

Record **access points** for emergency services, where the **emergency provisions** are (at the point of work, in the vehicle, or elsewhere) and anything else the crew should know. The PDF prints all of it under **IN AN EMERGENCY CALL 999**.

4 PPE — what everyone must wear

Tick what is needed from nine groups — Arc / FR, Hi-vis, Gloves, Boots, Head, Eyes, RPE, Ear and Harness — each with specific options such as dielectric gloves, FFP3, an arc hood or chainsaw protection. SLAM Point suggests a baseline set plus PPE driven by your hazards. If you leave a suggested item unticked, add a justification so the record shows it was deliberate.

5 Sign-off — communication and declarations

The person in charge and the working party confirm five declarations before work begins:

1. I have received and understood the documentation and method statement for this work task.
2. I hold the correct training, competence and authorisations for this task and will work to the agreed method.
3. I have taken part in and understood this assessment and the site-specific safety briefing.
4. I confirm that, to the best of my knowledge, I am fit for work and able to carry out my duties safely.
5. The person in charge will remain on site for the duration of the works, or until formally handing over to another competent person.

6 Signatures — who agreed to it

The person in charge signs to confirm points 1–5. Each member of the working party is added to the sign-on list and signs to confirm points 1–4. Signatures are drawn with a finger and stamped with the date and time automatically.

Tip: Once drawn, a signature locks and shows SIGNED · LOCKED. To sign again you must press Clear first — so a stray touch cannot alter a signature someone has already given.

7 Site review — when conditions change

If conditions change — the weather turns, a new excavation opens, a third party arrives — tap **Log a change / review**. Record what changed, add a photo, and say whether the POWRA was re-issued. Each review is time-stamped, so the PDF shows a real timeline of the shift.

Further attention. If the assessment needs someone else to look at it, record the reason and the reviewer.

8 Finish — review, sign off, and the PDF

The Finish step lists anything still missing, shows the SLAM Review (section 6), any weather flags, and a summary of the whole assessment.

Under **Mark status**, choose **Draft** or **Complete**. **Pressing Complete is the sign-off, and it locks the assessment.** SLAM Point checks the assessment first:

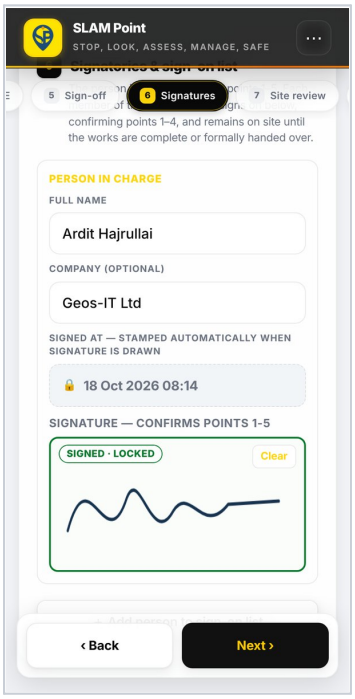
Check	What happens
Started less than 90 seconds ago	Warning — you are asked to confirm
No suggested control measure has been edited	Warning — you are asked to confirm
A required statutory panel or CDM item is missing	Blocked until it is answered
A ticked hazard has no control measure	Blocked until it has one

When the checks pass, SLAM Point asks you to confirm: *"It will be locked and can no longer be edited."* Confirm, and the assessment is marked Complete, locked with your name and the time, and **the PDF is made straight away** and sent the way you chose (section 5.2).

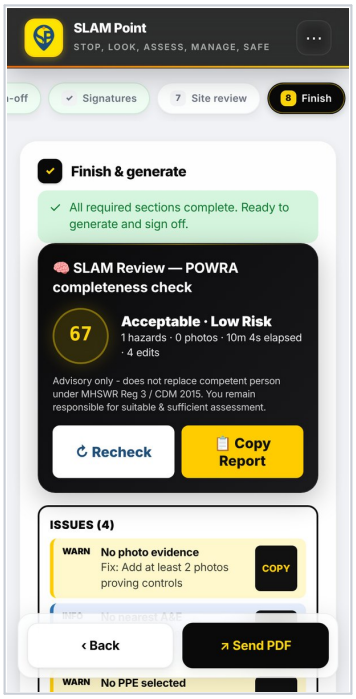
A completed assessment is a record. It opens read-only, with a green banner showing who completed it and when. You can still read every step, expand the hazard categories, make the PDF and export JSON — but nothing can be changed, and importing a backup will never overwrite it.

Need to correct it? Tap **Duplicate as new draft** on the Finish step — it replaces the Draft and Complete buttons — or use **Menu → Duplicate this assessment**. You get a new, editable draft marked "(copy)"; the original stays locked exactly as it was signed. Complete the copy when it is right.

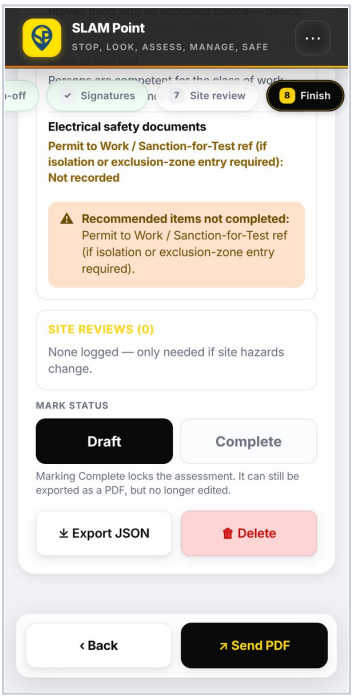
You can make the PDF at any time — including for a draft — with the button at the bottom of the screen: **Generate PDF**, or **Send PDF** if you chose to share. **Export JSON** saves a data copy; **Delete** removes the assessment after you confirm.



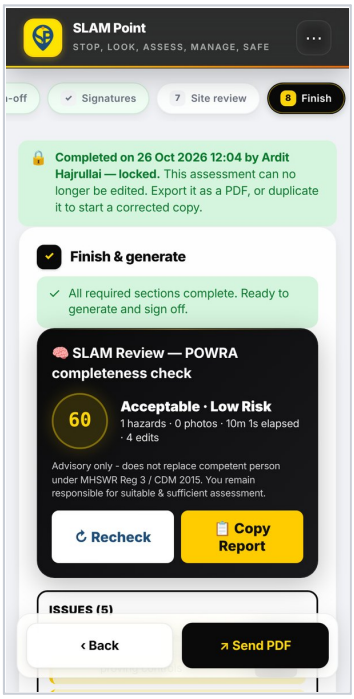
Step 6: a locked signature



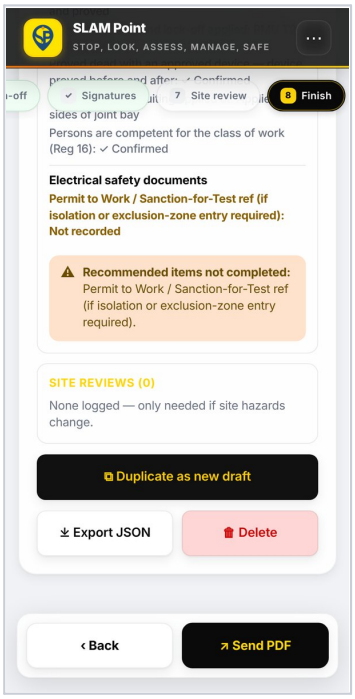
Step 8: the SLAM Review



Step 8: Complete signs off and locks



A completed assessment: locked, with who and when



Correcting it: Duplicate as new draft

5. The PDF report

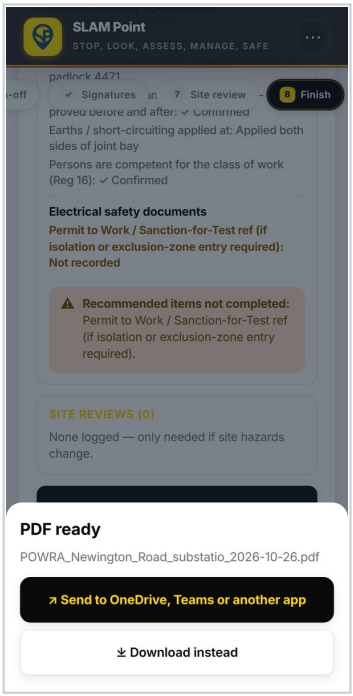
5.1 What is in it

The PDF is the record that goes in your project file. It contains:

Section	Contents
Header	Your company logo and header line, and the status — **COMPLETE** or **DRAFT**
Footer (every page)	The licensed company name, “valid only on date / shift”, and page X of Y
1 Assessment details	Location, description, job number, date and time, pre-work assessment, weather and its flags
C CDM 2015	Duty holders, CPP and RAMS references and F10 status — construction work only
2 Hazards & controls	**Every hazard category.** Ticked hazards show their control measure, time and photos; hazards considered and not applicable are listed as such. A ticked hazard with no control prints as CONTROL MEASURES NOT RECORDED.
P Permits & statutory	The answers to each statutory panel, including items marked N/A
3 Emergency	GPS position, Plus Code, nearest A&E, what3words and access, under IN AN EMERGENCY CALL 999
4 PPE	Everything selected, and any justification for suggested items left out
5 Declarations	The five confirmations
6 Signatories	Names, companies, signatures and the time each was given
7 Site reviews	Each change logged, with its photo, and any further attention
Review	The SLAM Review score, its issues and suggested control improvements

Photos are laid out as a grid of thumbnails that keep their true shape — portrait photos are not stretched — and keep the file small enough to email. **Menu → Company branding** adds your logo and header line; on a paid licence Geos-IT may set this for you. It is not available on a free trial.

5.2 Where the PDF goes



The PDF ready panel

Save to this phone. The PDF downloads automatically — to the Downloads folder on Android; on iPhone after one confirmation tap.

Send to OneDrive or Teams. Your phone's share menu opens with the PDF attached. Choose the app and the folder. With no signal, the OneDrive app keeps the file and uploads it when the phone reconnects.

"PDF ready". Browsers only open the share menu straight after a tap, and a PDF with many photos can take a little longer to build — and signing off now includes a confirmation. So you will often see a **PDF ready** panel, especially on iPhone: tap **Send to OneDrive, Teams or another app**, or **Download instead**.

Changed your mind? If you close the share menu without choosing, nothing is downloaded behind your back. Tap **Send PDF** to try again.

No share menu? Some browsers — desktop Firefox, for example — have none. There the option is greyed out and the PDF downloads instead.

Change your choice at any time: **Menu → PDF on sign-off**.

6. The SLAM Review

Before you finish, SLAM Point runs an automatic completeness and quality check and gives the assessment a **score out of 100**, a **grade** and a **risk rating**, with a list of issues and suggested fixes. **Recheck** runs it again after you make changes; **Copy Report** copies it as text. It is a second pair of eyes on the paperwork — not a safety judgement.

6.1 What it checks

Check	What it is looking for
Completeness	Location, description, hazards, controls, PPE, nearest A&E and the Person in Charge signature
Control quality	Controls that are specific rather than token, without weak phrases such as "be careful"
Evidence	Photographs — none is flagged, and a single photo prompts you to add more
Time taken	Under 60 seconds is flagged as rushed; under 90 seconds as quick
Risk-specific controls	Whether each control addresses the hazard you ticked — see 6.3
Measurable detail	Distances, times or values rather than vague statements
Description of the works	Whether it says enough to judge which controls fit — see 6.2

6.2 It reads your description of the works

The hazards say what could hurt someone. The description says what you are doing, and that decides which controls are appropriate. SLAM Point reads both.

Hazard type	Examples	How the task affects it
Presence-based	Confined space, work at height, asbestos, traffic, noise, dust, gas / SF6, excavation collapse	Never softened. If you are exposed, you are exposed — a survey in a confined space still needs a permit, gas monitoring and a rescue plan.
Activity-based	Electrical isolation, buried services, HAVS, manual handling, hot works	Softened for non-intrusive work. A LiDAR scan beside live apparatus is controlled by exclusion and escort, not by isolating the substation.

Write a real description. "Cable work" tells the app nothing, so it assumes the more demanding case, asks for the stronger controls and flags the description as too vague. "Replace LV cable joint, Plot 5" or "LiDAR survey of switchroom" gets advice that fits the job.

6.3 Risk-specific control checks

If you tick a hazard but your control does not mention what that hazard demands, SLAM Point says so. For example:

You ticked	and wrote	SLAM Point says
Live conductors	"be careful near cables"	State isolation, proving dead, permit or insulated tools
Excavation collapse	"dig carefully"	Address collapse prevention (shoring or battering) and buried services (CAT scan)
Potential to fall	"watch your step"	State fall protection — harness, edge protection or exclusion zone
Live conductors (on a survey)	"3m exclusion, escorted by SAP, no work on apparatus"	Accepted — the right control for non-intrusive work

It also covers confined spaces, asbestos, SF6 and compressed gas, traffic management, noise, dust and silica, HAVS and vibration, manual handling, and fire or spillage.

6.4 Grades and risk rating

Score	Grade	What to do
90–100	Excellent	Proceed.
75–89	Good	Proceed. Consider the suggestions.
60–74	Acceptable	Read the issues — there is usually something worth adding.
40–59	Needs Improvement	Fix the flagged items before you start work.
Below 40	Fail — Do Not Proceed	The assessment is not adequate. Complete it properly.

The risk rating is **Low** by default, **Medium** when more than three hazards are ticked or there is a critical issue, and **High** when more than five hazards are ticked or there are two or more critical issues.

The SLAM Review is advisory. It checks whether the paperwork is complete and specific. It cannot see your site, and a score of 100 does not mean the work is safe — only that the assessment is well written. Professional judgement remains yours.

7. Working offline

SLAM Point is built for cabins, basements, tunnels and rural sites with no signal. Once installed and unlocked, the assessment itself works entirely offline.

Works offline	Needs a connection
Creating and editing assessments	First licence unlock on a device
Photos and signatures	Weather (shows the last fetch when offline)
GPS position and Plus Code	Finding the nearest A&E
Statutory panels, CDM and F10 checks	The what3words map
The SLAM Review	The upload itself to OneDrive or Teams
Making the PDF and saving it to the phone	App updates
Handing the PDF to the share menu	

Where a lookup needs a connection, the field stays editable — type the A&E or the conditions in and carry on.

8. Your data

Assessments, photos and signatures are stored **on the device**, in the browser's own storage. They are not uploaded to Geos-IT and we never see them.

What does leave the device: your GPS position when you fetch the weather or look up the nearest A&E (sent to those lookup services), and your company name, licence key and a device identifier when the licence is checked. A PDF you send goes only where you send it.

Keep your PDFs, and keep backups. If you clear the browser's site data or lose the device, the assessments on it are gone and nobody can recover them. The PDF in your project folder is the record that matters — choosing **Send to OneDrive or Teams** makes that one tap at sign-off. Use **Menu → Export all (backup)** regularly as well.

8.1 The menu

Menu item	What it does
All assessments	Back to the home screen
Duplicate this assessment	Starts a new draft from the open one — for repeat tasks, and the way to correct a completed assessment
Export this assessment (JSON)	A data copy of the open assessment
Export all (backup)	One backup file of everything on the device
Import from file	Restores from a backup, or moves records to a new device. It never overwrites a completed assessment.
Delete all assessments	Clears every assessment on the device. There is no undo.
Auto-lock	How long before the screen locks (section 1.6)
Company branding (PDF logo)	Your logo and header line on the PDF (paid licences)
PDF on sign-off	Save to this phone, or Send to OneDrive / Teams (section 5.2)

Menu item	What it does
Recovery question (forgot PIN)	Set or change your recovery question
Log out	Returns to the login screen
About & offline use	Version information and what works offline

9. If something goes wrong

Still stuck? Email **ardit@geosit.co.uk** with a screenshot of what you see.

Problem	What to do
Forgotten PIN	On the login screen select your name, tap **Forgot your PIN?**, answer your recovery question and set a new PIN. Your assessments are unaffected.
Licence will not unlock	Check the company name matches your licence email exactly, and that you have a signal for the first unlock. Watch for 0 and O, 1 and I.
“Couldn't reach the licence server”	You are offline, or a company firewall is blocking it. Try mobile data; if it persists, ask your IT to allow our licence address.
Cannot mark Complete	Read the message on the Finish step — it names what is missing: a required statutory or CDM answer, or a control measure for a ticked hazard.
I need to change a completed assessment	It is locked by design. Open it, tap **Duplicate as new draft**, correct the copy and complete that one. The original stays as it was signed.
I can't type into an assessment	It has been completed and is locked — see the green banner at the top. Duplicate it to make changes.
Import says some records were left unchanged	Those are completed assessments already on the device. An import never overwrites a completed record.
“Rushed” or “Quick POWRA” in the review	The assessment was completed very fast. Take the time to check the hazards and controls properly.
The PDF went to Downloads, but I wanted OneDrive	**Menu → PDF on sign-off → Send to OneDrive or Teams.** To send one already made, open it and tap **Send PDF** on the Finish step.
“Send to OneDrive or Teams” is greyed out	This browser has no share menu. Use Chrome on Android or Safari on iPhone, or choose Save to this phone.
A “PDF ready” panel appeared	Normal — the PDF took a moment to build. Tap Send to open the share menu.
No GPS fix	Move outdoors, away from metal structures, and try again — or type the location in.
Find nearest A&E failed	You are probably offline. Type the hospital in yourself.
The app looks out of date	Close it fully and reopen while online. On a computer press Ctrl+Shift+R (Cmd+Shift+R on a Mac).
The screen has locked	Normal after a period without use. Enter your PIN — your assessment is exactly where you left it. Change the timing under Auto-lock.
Asked to accept the terms again	Normal when the terms change. Please read them rather than clicking through.
Asked where PDFs go again	The browser's storage was cleared on this device. Choose again — and check your assessments are still there.
Assessments have disappeared	Usually browser data was cleared, or a company device policy clears it. Restore from a backup, and contact us so we can advise.