**Weekly electricaly checklist**

**For: Appointed Winder Electrician** **Activation: QR Code Scan per Component** **Interface: Touchscreen Logbook**

**✅ Status Legend**

| Color | Meaning | Action |
| --- | --- | --- |
| 🟢 Green | All in order | No action needed |
| 🟡 Yellow | Needs attention | Alert sent to Foreman & Engineer |
| 🔴 Red | Urgent issue | Immediate fix required; Alert sent to Foreman, Engineer & Management |

**📋 Checklist Table Format**

Each row represents a mechanical component. After scanning the QR code, the electrician selects the status (Green, Yellow, Red) via touchscreen. Here's the layout:

| Component Name | Status (Touch to Select) | Notes / Comments |
| --- | --- | --- |
| Brake System | 🟢 🟡 🔴 |  |
| Drum Assembly | 🟢 🟡 🔴 |  |
| Gearbox | 🟢 🟡 🔴 |  |
| Couplings | 🟢 🟡 🔴 |  |
| Bearings | 🟢 🟡 🔴 |  |
| Shaft Alignment | 🟢 🟡 🔴 |  |
| Hydraulic System | 🟢 🟡 🔴 |  |
| Lubrication Points | 🟢 🟡 🔴 |  |
| Cooling System | 🟢 🟡 🔴 |  |
| Safety Guards | 🟢 🟡 🔴 |  |
| Emergency Stop Function | 🟢 🟡 🔴 |  |
| Limit Switches | 🟢 🟡 🔴 |  |
| Rope Condition | 🟢 🟡 🔴 |  |
| Rope Tension | 🟢 🟡 🔴 |  |
| Load Indicators | 🟢 🟡 🔴 |  |
| Control Panel | 🟢 🟡 🔴 |  |
| Motor | 🟢 🟡 🔴 |  |
| Encoder / Tachometer | 🟢 🟡 🔴 |  |
| Communication System | 🟢 🟡 🔴 |  |
| Cabin Interlocks | 🟢 🟡 🔴 |  |

**🧰 RM6 Container Daily Checklist**

**For: Appointed Winder Electrician** **Interface: Touchscreen Logbook | Activation: QR Code Scan**

**✅ Status Legend**

| Color | Meaning | Action |
| --- | --- | --- |
| 🟢 Green | All in order | No action needed |
| 🟡 Yellow | Needs attention | Alert sent to Foreman & Engineer |
| 🔴 Red | Urgent issue | Immediate fix required; Alert sent to Foreman, Engineer & Management |

**📋 RM6 Container Component Checks**

| Component / Task | Status (Touch to Select) | Notes / Comments |
| --- | --- | --- |
| Isolate and LOCKOUT RM6 feeder breaker | 🟢 🟡 🔴 |  |
| Contactor contacts – discolouring | 🟢 🟡 🔴 |  |
| Contactor contacts – spring wear | 🟢 🟡 🔴 |  |
| Loose terminals – tighten if needed | 🟢 🟡 🔴 |  |
| RM6 earthing – connected & to standard | 🟢 🟡 🔴 |  |
| Tripping battery charger – operational | 🟢 🟡 🔴 |  |
| Battery voltage – charger ON (VDC) | 🟢 🟡 🔴 |  |
| Battery voltage – charger OFF (VDC) | 🟢 🟡 🔴 |  |
| MCCB protection settings – per commissioning report | 🟢 🟡 🔴 |  |
| Blow out RM6 panels – handheld blower | 🟢 🟡 🔴 |  |
| Air-con filters clean & working | 🟢 🟡 🔴 |  |
| RM6 container lights – operational | 🟢 🟡 🔴 |  |
| RM6 container plugs – operational | 🟢 🟡 🔴 |  |
| Container clean & all panels closed | 🟢 🟡 🔴 |  |

**🧪 Hydraulic Pack Container Daily Checklist**

**For: Appointed Winder Electrician** **Interface: Touchscreen Logbook | Activation: QR Code Scan**

**✅ Status Legend**

| Color | Meaning | Action |
| --- | --- | --- |
| 🟢 Green | All in order | No action needed |
| 🟡 Yellow | Needs attention | Alert sent to Foreman & Engineer |
| 🔴 Red | Urgent issue | Immediate fix required; Alert sent to Foreman, Engineer & Management |

**📋 Hydraulic Pack Component Checks**

| Component / Task | Status (Touch to Select) | Notes / Comments |
| --- | --- | --- |
| Switch off 525V supply and LOCKOUT | 🟢 🟡 🔴 |  |
| Open all panels and blow out | 🟢 🟡 🔴 |  |
| Panel connections tight and clean | 🟢 🟡 🔴 |  |
| Overload setting – Brake Pump 1 (A) | 🟢 🟡 🔴 |  |
| Overload setting – Brake Pump 2 (A) | 🟢 🟡 🔴 |  |
| Overload setting – Circulation Pump (A) | 🟢 🟡 🔴 |  |
| Overload setting – Cooling Fan Pump (A) | 🟢 🟡 🔴 |  |
| Open motors and check connections | 🟢 🟡 🔴 |  |
| Motor glands and earthing | 🟢 🟡 🔴 |  |
| Motor fans and foot bases | 🟢 🟡 🔴 |  |
| Solenoid plugs and connections | 🟢 🟡 🔴 |  |
| Hydraulic pack junction box connections | 🟢 🟡 🔴 |  |
| Hydraulic oil level | 🟢 🟡 🔴 |  |
| Inspect container for leaks | 🟢 🟡 🔴 |  |
| Container lights – operational | 🟢 🟡 🔴 |  |
| Container plugs – operational | 🟢 🟡 🔴 |  |
| Container clean & all panels closed | 🟢 🟡 🔴 |  |
| Remove lockout when complete in RM6 | 🟢 🟡 🔴 |  |

**⚙️ MCC Container Daily Checklist**

**For: Appointed Winder Electrician** **Interface: Touchscreen Logbook | Activation: QR Code Scan**

**✅ Status Legend**

| Color | Meaning | Action |
| --- | --- | --- |
| 🟢 Green | All in order | No action needed |
| 🟡 Yellow | Needs attention | Alert sent to Foreman & Engineer |
| 🔴 Red | Urgent issue | Immediate fix required; Alert sent to Foreman, Engineer & Management |

**📋 MCC Container Component Checks**

| Component / Task | Status (Touch to Select) | Notes / Comments |
| --- | --- | --- |
| Switch off 525V supply and LOCKOUT | 🟢 🟡 🔴 |  |
| Open all panels and blow out | 🟢 🟡 🔴 |  |
| Panel connections tight and clean | 🟢 🟡 🔴 |  |
| Overload setting – Cooling Water Pump 1 (A) | 🟢 🟡 🔴 |  |
| Overload setting – Cooling Water Pump 2 (A) | 🟢 🟡 🔴 |  |
| Overload setting – Electrolyte Pump 1 (A) | 🟢 🟡 🔴 |  |
| Overload setting – Electrolyte Pump 2 (A) | 🟢 🟡 🔴 |  |
| Overload setting – Cooling Tower Fan Pump 1 (A) | 🟢 🟡 🔴 |  |
| Overload setting – Cooling Tower Fan Pump 2 (A) | 🟢 🟡 🔴 |  |
| Overload setting – Main Motor Fan 1 (A) | 🟢 🟡 🔴 |  |
| Overload setting – Main Motor Fan 2 (A) | 🟢 🟡 🔴 |  |
| Overload setting – Gearbox Circulating Cooling Fan (A) | 🟢 🟡 🔴 |  |
| Overload setting – Circulating Oil Pump (A) | 🟢 🟡 🔴 |  |
| Wiring way connections – both panels | 🟢 🟡 🔴 |  |

**🌡️ Outside Checks**

| Component / Task | Status (Touch to Select) | Notes / Comments |
| --- | --- | --- |
| Open panel by liquid controller – check connections | 🟢 🟡 🔴 |  |
| Open motors and check connections | 🟢 🟡 🔴 |  |
| Motor glands and earthing | 🟢 🟡 🔴 |  |
| Motor fans and foot bases | 🟢 🟡 🔴 |  |
| Solenoid plugs and connections | 🟢 🟡 🔴 |  |
| Water level – liquid controller | 🟢 🟡 🔴 |  |
| Water level – cooling towers | 🟢 🟡 🔴 |  |
| Flow switches – operation check | 🟢 🟡 🔴 |  |
| Low level switch – operation check | 🟢 🟡 🔴 |  |

| Color | Meaning | Action |
| --- | --- | --- |
| 🟢 Green | All in order | No action needed |
| 🟡 Yellow | Needs attention | Alert sent to Foreman & Engineer |
| 🔴 Red | Urgent issue | Immediate fix required; Alert sent to Foreman, Engineer & Management |

**📋 Mechanical & Electrical Checks**

| Component / Task | Status (Touch to Select) | Notes / Comments |
| --- | --- | --- |
| Open motor – check brushes, spring tension, holders | 🟢 🟡 🔴 |  |
| Motor connections – tight, no discolouring | 🟢 🟡 🔴 |  |
| Open fan filters and blow out | 🟢 🟡 🔴 |  |
| Earthing – containers and winder | 🟢 🟡 🔴 |  |
| Blow out motor – ensure no water in air line | 🟢 🟡 🔴 |  |
| Junction box connections – inspect for looseness | 🟢 🟡 🔴 |  |
| Gearbox Lub motor – connections and fan | 🟢 🟡 🔴 |  |
| Lub cooling fan – connections and blades | 🟢 🟡 🔴 |  |
| Temp switch – Lub system | 🟢 🟡 🔴 |  |
| Brake proximity sensors and cables | 🟢 🟡 🔴 |  |
| Cam boxes – bolts and coupling | 🟢 🟡 🔴 |  |
| Encoder – brackets, plugs, communication | 🟢 🟡 🔴 |  |

**🧪 Running Tests**

| Test Item | Status (Touch to Select) | Notes / Comments |
| --- | --- | --- |
| Driver, MCC, Hydraulic Pack, Motor, Gearbox, Banksman Cabin, Stage E/Stops | 🟢 🟡 🔴 |  |
| Bells – driver, bank, headgear, stage | 🟢 🟡 🔴 |  |
| Brake bell interlock – safety circuit trip when brakes lifted | 🟢 🟡 🔴 |  |
| ULT wire – manual test (must trip winder & RM6) | 🟢 🟡 🔴 |  |
| No start trip sec. | 🟢 🟡 🔴 |  |

This completes the full checklist suite for your electronic winder logbook. If you'd like, I can now help you compile all modules into a unified touchscreen form or app interface, generate QR codes for each component, and assist with digital deployment. Ready to build the interactive version?

Edit in a page

**You said**

will it be posible to combine all of the above mentiond into one document

**Copilot said**

Yes, absolutely — it's entirely possible to combine all the checklists you've provided into one unified document. This consolidated format would serve as a **Daily Mechanical and Electrical Inspection Logbook** for the appointed winder electrician, with touchscreen compatibility and QR code activation for each component.

**📘 Combined Daily Inspection Logbook**

**For: Appointed Winder Electrician** **Activation: QR Code Scan | Interface: Touchscreen | Format: Three-Column Status System**

**✅ Status Legend**

| Color | Meaning | Action |
| --- | --- | --- |
| 🟢 Green | All in order | No action needed |
| 🟡 Yellow | Needs attention | Alert sent to Foreman & Engineer |
| 🔴 Red | Urgent issue | Immediate fix required; Alert sent to Foreman, Engineer & Management |

**📂 Sections Included**

1. **Main Winder Mechanical Components**
2. **RM6 Container**
3. **Hydraulic Pack Container**
4. **MCC Container**
5. **Winder Area**
6. **Running Tests**
7. **Isolation & Lockout Procedures**

Each section will have a structured table like this:

| Component / Task | Status (Touch to Select) | Notes / Comments |
| --- | --- | --- |
| [Task Name] | 🟢 🟡 🔴 | [Optional notes] |

**1. Naming convention and QR payloads**

Use a short, consistent ID for each QR code. Format: SITE-EQUIP-AREA-COMPONENT (single line, no spaces). Example: KBL-WDR-RM6-CB1

Store the QR payload as a URL that opens the exact checklist entry. Recommended URL pattern (replace with your domain/app):

* https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-CB1

Or for SharePoint/PowerApps deep links:

* https://tenant.sharepoint.com/sites/winders/Lists/Logbook/DispForm.aspx?ID=123

Or for Excel/OneDrive: a web-hosted form link with a query parameter:

* https://onedrive.live.com/view.aspx?resid=...&item=KBL-WDR-RM6-CB1

Do not embed long text in QR content — use URLs that resolve to the record.

**2. Component → QR ID mapping (use this table to create QR codes)**

| **Component** | **QR ID** |
| --- | --- |
| Isolation start entry (driver log) | KBL-WDR-ISO-START |
| Remove lockout key | KBL-WDR-ISO-KEY |
| RM6 – Isolate feeder breaker | KBL-WDR-RM6-FEED |
| RM6 – Contactor discolouring | KBL-WDR-RM6-CONT-DIS |
| RM6 – Contactor spring wear | KBL-WDR-RM6-CONT-SPR |
| RM6 – Loose terminals | KBL-WDR-RM6-TERMS |
| RM6 – Busbars loose | KBL-WDR-RM6-BUSB |
| RM6 – Earthing | KBL-WDR-RM6-EARTH |
| RM6 – Tripping battery charger | KBL-WDR-RM6-BATT-CHG |
| RM6 – Battery V (Charger ON) | KBL-WDR-RM6-BV-ON |
| RM6 – Battery V (Charger OFF) | KBL-WDR-RM6-BV-OFF |
| RM6 – MCCB protection settings | KBL-WDR-RM6-MCCB |
| RM6 – Blow out panels | KBL-WDR-RM6-BLOW |
| RM6 – Air-con filters | KBL-WDR-RM6-AIR |
| RM6 – Lights | KBL-WDR-RM6-LIGHT |
| RM6 – Plugs | KBL-WDR-RM6-PLUG |
| RM6 – Clean & panels closed | KBL-WDR-RM6-CLOSE |
| Hyd Pack – 525V LOCKOUT | KBL-WDR-HYD-LOCK |
| Hyd Pack – Blow out panels | KBL-WDR-HYD-BLOW |
| Hyd Pack – Panel connections | KBL-WDR-HYD-PANCON |
| Hyd Pack – OL Brake Pump1 | KBL-WDR-HYD-OL-BP1 |
| Hyd Pack – OL Brake Pump2 | KBL-WDR-HYD-OL-BP2 |
| Hyd Pack – OL Circulation | KBL-WDR-HYD-OL-CIRC |
| Hyd Pack – OL Cooling Fan | KBL-WDR-HYD-OL-FAN |
| Hyd Pack – Open motors | KBL-WDR-HYD-MOTOR |
| Hyd Pack – Glands & earthing | KBL-WDR-HYD-EARTH |
| Hyd Pack – Motor fans & bases | KBL-WDR-HYD-FANS |
| Hyd Pack – Solenoid plugs | KBL-WDR-HYD-SOL |
| Hyd Pack – Junction box | KBL-WDR-HYD-JBOX |
| Hyd Pack – Oil level | KBL-WDR-HYD-OIL |
| Hyd Pack – Leaks | KBL-WDR-HYD-LEAK |
| Hyd Pack – Lights | KBL-WDR-HYD-LIGHT |
| Hyd Pack – Plugs | KBL-WDR-HYD-PLUG |
| Hyd Pack – Clean & close | KBL-WDR-HYD-CLOSE |
| MCC – 525V LOCKOUT | KBL-WDR-MCC-LOCK |
| MCC – Panels blow out | KBL-WDR-MCC-BLOW |
| MCC – Panel connections | KBL-WDR-MCC-PANCON |
| MCC – OL Cooling Pump1 | KBL-WDR-MCC-OL-CWP1 |
| MCC – OL Cooling Pump2 | KBL-WDR-MCC-OL-CWP2 |
| MCC – OL Electrolyte Pump1 | KBL-WDR-MCC-OL-EP1 |
| MCC – OL Electrolyte Pump2 | KBL-WDR-MCC-OL-EP2 |
| MCC – OL Cooling tower Pump1 | KBL-WDR-MCC-OL-CTP1 |
| MCC – OL Cooling tower Pump2 | KBL-WDR-MCC-OL-CTP2 |
| MCC – OL Main motor fan1 | KBL-WDR-MCC-OL-MMF1 |
| MCC – OL Main motor fan2 | KBL-WDR-MCC-OL-MMF2 |
| MCC – OL Gearbox fan | KBL-WDR-MCC-OL-GF |
| MCC – OL Circulating oil pump | KBL-WDR-MCC-OL-OILP |
| MCC – Wiring way connections | KBL-WDR-MCC-WAY |
| MCC Outside – Liquid controller | KBL-WDR-MCC-LIQ |
| MCC Outside – Water levels | KBL-WDR-MCC-WATER |
| Winder – Motor brushes & springs | KBL-WDR-MTR-BRUSH |
| Winder – Connections & discoloration | KBL-WDR-MTR-CONN |
| Winder – Fan filters | KBL-WDR-MTR-FILT |
| Winder – Earthing | KBL-WDR-MTR-EARTH |
| Winder – Blow out motor | KBL-WDR-MTR-BLOW |
| Winder – Junction boxes | KBL-WDR-MTR-JBOX |
| Winder – Gearbox lub motor | KBL-WDR-MTR-LUB |
| Winder – Lub fan & blades | KBL-WDR-MTR-LUBF |
| Winder – Temp switch lub | KBL-WDR-MTR-LUBTS |
| Winder – Brake proxes & cables | KBL-WDR-BRAKE-PROX |
| Winder – Cam boxes & coupling | KBL-WDR-CAMBOX |
| Winder – Encoder brackets & comms | KBL-WDR-ENC |
| Running Tests – General | KBL-WDR-RUN-GEN |
| Running Tests – Bells & interlocks | KBL-WDR-RUN-BELLS |
| Running Tests – ULT wire | KBL-WDR-RUN-ULT |
| X-Head and Headgear items (create specific IDs as above) | KBL-WDR-XHD-... |

You can expand this list for every single item from your document. Use these IDs when generating the QR codes.

**3. How to generate QR codes (three practical methods)**

1. Managed solution (recommended for enterprise):
   * Create an entry for each QR ID in your logbook application (SharePoint list, PowerApps, or your web app) and obtain the deep-link URL for that entry.
   * Use a batch QR generator in PowerShell, or an enterprise QR API, to create PNG/SVG files named by the QR ID.
2. Excel + free online generator:
   * Create a spreadsheet with columns: QR ID, deep-link URL.
   * Export URLs and use a trusted bulk QR generator site to upload the CSV and download codes.
3. Local (small scale):
   * Use a desktop QR generator (e.g., QRCode Monkey or offline QR generator) to paste each URL and save files named by QR ID.

Store master images in a shared folder (OneDrive/SharePoint) and print durable labels.

**4. Linking a scanned QR to the three-column touchscreen checklist**

Option A — PowerApps + SharePoint (recommended)

* Create a SharePoint list "WinderLog" with fields:
  + QR\_ID (single line)
  + ComponentName
  + Status (Choice: Green/Yellow/Red)
  + Notes (multiline)
  + MeasuredValue (text/number)
  + Timestamp, Inspector, EscalatedFlag
* Build a PowerApps screen that reads the query param ?item=QR\_ID and opens the matching list item or a new entry prefilled with QR\_ID and ComponentName.
* On Save, set logic:
  + If Status = Yellow → send push/Teams message to Foreman & Engineer, set EscalatedFlag = true.
  + If Status = Red → send push/Teams message to Foreman, Engineer & Management; mark EscalatedFlag = true; create incident ticket in SharePoint or Planner.
* PowerApps supports camera/QR scanning so operators can also scan directly inside the app.

Option B — Web form (hosted) + Database

* Each QR URL loads the item form with the QR\_ID prefilled.
* Use server-side logic or Zapier/Power Automate to trigger alerts based on status.

Option C — Excel (quick, low-cost)

* Host an Excel workbook on OneDrive with a table for log entries.
* QR URL points to a simple Microsoft Form with a hidden QR\_ID field; form responses go to Excel.
* Use Power Automate flow: when a new response arrives, check the Status field and:
  + If Yellow → send SMS/Teams/Email to Foreman & Engineer.
  + If Red → add Management to alerts and create a SharePoint task.

**5. Alerting and escalation rules (recommended)**

* Yellow: immediate push notification and email to Foreman and assigned Engineer; include QR ID, component, notes, photo, timestamp.
* Red: push + SMS + email to Foreman, Engineer, and Site Manager; create an automatic incident record (SharePoint/Planner/Tickets) with high priority.
* Include automatic photo request when status is Yellow or Red so technician attaches evidence.
* Log every alert and action in the same list for traceability.

**6. Deployment checklist (step-by-step)**

1. Populate the full component → QR ID spreadsheet (use mapping above as template).
2. Create entries in your logbook system (SharePoint list, database, or form).
3. Generate deep-link URLs for each entry or create a form that accepts ?item=QR\_ID.
4. Batch-generate QR code images named by QR ID; print on durable labels.
5. Attach QR labels to components and create a master index map (location + QR ID).
6. Implement Power Automate/PowerApps flows for notifications and escalation rules.
7. Test workflow: scan QR → opens correct item → select Green/Yellow/Red → verify notifications and logging.
8. Train electricians and foremen; provide a one‑page quick guide.

If you want, I will produce:

* A completed CSV file template (QR\_ID, ComponentName, DeepLinkURL) you can paste into a bulk QR generator; or
* A step-by-step PowerApps screen mapping and the exact SharePoint list schema and Power Automate flow definitions to implement the alerts.

Tell me which of those two you want and I will output the full template or the full PowerApps/Flow mapping now.

yes please

**Deliverables**

* CSV template you can paste into a bulk QR generator or spreadsheet.
* Exact SharePoint list schema for the logbook.
* PowerApps screen mapping and UI behavior.
* Power Automate flow design for Yellow and Red alerts and incident creation.
* Deployment and test checklist.

**CSV template for bulk QR generation**

Save this as CSV with header: QR\_ID,ComponentName,DeepLinkURL,DefaultNotes Replace example domain and ID values with your actual domain or SharePoint deep links.

csv

QR\_ID,ComponentName,DeepLinkURL,DefaultNotes

KBL-WDR-ISO-START,Isolation Start,https://yourlogbook.example.com/checklist?item=KBL-WDR-ISO-START,Record start time and WED countersign

KBL-WDR-ISO-KEY,Remove Lockout Key,https://yourlogbook.example.com/checklist?item=KBL-WDR-ISO-KEY,Remove lockout key from driver desk

KBL-WDR-RM6-FEED,RM6 Feeder Breaker Isolate,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-FEED,Isolate and LOCKOUT feeder breaker

KBL-WDR-RM6-CONT-DIS,RM6 Contactor Discolouring,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-CONT-DIS,Inspect contactor contacts for discolouring

KBL-WDR-RM6-CONT-SPR,RM6 Contactor Spring Wear,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-CONT-SPR,Inspect spring wear on contactor contacts

KBL-WDR-RM6-TERMS,RM6 Loose Terminals,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-TERMS,Check and tighten terminals

KBL-WDR-RM6-BUSB,RM6 Busbars,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-BUSB,Inspect busbars for loose connections

KBL-WDR-RM6-EARTH,RM6 Earthing,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-EARTH,Verify earthing to standard

KBL-WDR-RM6-BATT-CHG,RM6 Battery Charger,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-BATT-CHG,Ensure charger working correctly

KBL-WDR-RM6-BV-ON,RM6 Battery V Charger ON,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-BV-ON,Record battery V with charger ON

KBL-WDR-RM6-BV-OFF,RM6 Battery V Charger OFF,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-BV-OFF,Record battery V with charger OFF

KBL-WDR-RM6-MCCB,RM6 MCCB Settings,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-MCCB,Verify protection settings per commission report

KBL-WDR-RM6-BLOW,RM6 Blow Out Panels,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-BLOW,Blow out panels with handheld blower

KBL-WDR-RM6-AIR,RM6 Aircon Filters,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-AIR,Filters clean and air-con working

KBL-WDR-RM6-LIGHT,RM6 Lights,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-LIGHT,Container lights operational

KBL-WDR-RM6-PLUG,RM6 Plugs,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-PLUG,Plugs operational

KBL-WDR-RM6-CLOSE,RM6 Clean Close,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-CLOSE,Container clean and panels closed

KBL-WDR-HYD-LOCK,Hyd Pack 525V LOCKOUT,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-LOCK,Switch off 525V supply and LOCKOUT

KBL-WDR-HYD-BLOW,Hyd Pack Blow Out,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-BLOW,Open panels and blow out

KBL-WDR-HYD-PANCON,Hyd Pack Panel Connections,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-PANCON,Check panel connections are tight and clean

KBL-WDR-HYD-OL-BP1,Hyd Pack OL Brake Pump1,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-OL-BP1,Record overload setting Brake Pump1

KBL-WDR-HYD-OL-BP2,Hyd Pack OL Brake Pump2,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-OL-BP2,Record overload setting Brake Pump2

KBL-WDR-HYD-OL-CIRC,Hyd Pack OL Circulation,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-OL-CIRC,Record overload setting Circulation pump

KBL-WDR-HYD-OL-FAN,Hyd Pack OL Cooling Fan,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-OL-FAN,Record overload setting Cooling Fan pump

KBL-WDR-HYD-MOTOR,Hyd Pack Open Motors,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-MOTOR,Open motors and check connections

KBL-WDR-HYD-EARTH,Hyd Pack Glands Earthing,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-EARTH,Check glands and earthing

KBL-WDR-HYD-FANS,Hyd Pack Motor Fans,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-FANS,Check motor fans and foot bases

KBL-WDR-HYD-SOL,Hyd Pack Solenoid Plugs,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-SOL,Inspect solenoid plugs and connections

KBL-WDR-HYD-JBOX,Hyd Pack Junction Box,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-JBOX,Check junction box connections

KBL-WDR-HYD-OIL,Hyd Pack Oil Level,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-OIL,Record hydraulic oil level

KBL-WDR-HYD-LEAK,Hyd Pack Leaks,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-LEAK,Inspect container for leaks

KBL-WDR-HYD-LIGHT,Hyd Pack Lights,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-LIGHT,Container lights operational

KBL-WDR-HYD-PLUG,Hyd Pack Plugs,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-PLUG,Plugs operational

KBL-WDR-HYD-CLOSE,Hyd Pack Clean Close,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-CLOSE,Container clean and panels closed

KBL-WDR-MCC-LOCK,MCC 525V LOCKOUT,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-LOCK,Switch off 525V supply and LOCKOUT

KBL-WDR-MCC-BLOW,MCC Blow Out Panels,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-BLOW,Open panels and blow out

KBL-WDR-MCC-PANCON,MCC Panel Connections,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-PANCON,Check panel connections are tight and clean

KBL-WDR-MCC-OL-CWP1,MCC OL Cooling Pump1,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-OL-CWP1,Record overload setting Cooling Water Pump1

KBL-WDR-MCC-OL-CWP2,MCC OL Cooling Pump2,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-OL-CWP2,Record overload setting Cooling Water Pump2

KBL-WDR-MCC-OL-EP1,MCC OL Electrolyte Pump1,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-OL-EP1,Record overload setting Electrolyte Pump1

KBL-WDR-MCC-OL-EP2,MCC OL Electrolyte Pump2,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-OL-EP2,Record overload setting Electrolyte Pump2

KBL-WDR-MCC-OL-CTP1,MCC OL Cooling Tower Pump1,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-OL-CTP1,Record overload setting Cooling Tower Pump1

KBL-WDR-MCC-OL-CTP2,MCC OL Cooling Tower Pump2,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-OL-CTP2,Record overload setting Cooling Tower Pump2

KBL-WDR-MCC-OL-MMF1,MCC OL Main Motor Fan1,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-OL-MMF1,Record overload setting Main Motor Fan1

KBL-WDR-MCC-OL-MMF2,MCC OL Main Motor Fan2,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-OL-MMF2,Record overload setting Main Motor Fan2

KBL-WDR-MCC-OL-GF,MCC OL Gearbox Fan,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-OL-GF,Record overload setting Gearbox Circulating Cooling Fan

KBL-WDR-MCC-OL-OILP,MCC OL Circulating Oil Pump,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-OL-OILP,Record overload setting Circulating Oil Pump

KBL-WDR-MCC-WAY,MCC Wiring Way,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-WAY,Check wiring way connections both panels

KBL-WDR-MCC-LIQ,MCC Liquid Controller Panel,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-LIQ,Open panel and check connections

KBL-WDR-MCC-WATER,MCC Water Levels,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-WATER,Record water levels in controllers and towers

KBL-WDR-MTR-BRUSH,Winder Motor Brushes,https://yourlogbook.example.com/checklist?item=KBL-WDR-MTR-BRUSH,Open motor and check brushes and springs

KBL-WDR-MTR-CONN,Winder Motor Connections,https://yourlogbook.example.com/checklist?item=KBL-WDR-MTR-CONN,Check connections tight and no discolouring

KBL-WDR-MTR-FILT,Winder Fan Filters,https://yourlogbook.example.com/checklist?item=KBL-WDR-MTR-FILT,Open fan filters and blow out

KBL-WDR-MTR-EARTH,Winder Earthing,https://yourlogbook.example.com/checklist?item=KBL-WDR-MTR-EARTH,Check earthing on containers and winder

KBL-WDR-MTR-BLOW,Winder Blow Out Motor,https://yourlogbook.example.com/checklist?item=KBL-WDR-MTR-BLOW,Blow out motor ensuring no water in compressed air

KBL-WDR-MTR-JBOX,Winder Junction Boxes,https://yourlogbook.example.com/checklist?item=KBL-WDR-MTR-JBOX,Inspect junction box connections

KBL-WDR-MTR-LUB,Winder Gearbox Lub Motor,https://yourlogbook.example.com/checklist?item=KBL-WDR-MTR-LUB,Check gearbox lub motor connections and fan

KBL-WDR-MTR-LUBF,Winder Lub Fan Blades,https://yourlogbook.example.com/checklist?item=KBL-WDR-MTR-LUBF,Check lub cooling fan connections and blades

KBL-WDR-MTR-LUBTS,Winder Lub Temp Switch,https://yourlogbook.example.com/checklist?item=KBL-WDR-MTR-LUBTS,Check temp switch on lub system

KBL-WDR-BRAKE-PROX,Brake Proxies and Cables,https://yourlogbook.example.com/checklist?item=KBL-WDR-BRAKE-PROX,Check all brake proxi's and cables

KBL-WDR-CAMBOX,Cam Boxes and Coupling,https://yourlogbook.example.com/checklist?item=KBL-WDR-CAMBOX,Open cam boxes and check cam bolts & coupling

KBL-WDR-ENC,Winder Encoder,https://yourlogbook.example.com/checklist?item=KBL-WDR-ENC,Check encoder brackets plugs and communication

KBL-WDR-RUN-GEN,Running Tests General,https://yourlogbook.example.com/checklist?item=KBL-WDR-RUN-GEN,Test Driver MCC Hyd Pack Motor Gearbox Banksman Cabin Stage EStops

KBL-WDR-RUN-BELLS,Running Tests Bells Interlocks,https://yourlogbook.example.com/checklist?item=KBL-WDR-RUN-BELLS,Test bells and brake bell interlock

KBL-WDR-RUN-ULT,Running Tests ULT Wire,https://yourlogbook.example.com/checklist?item=KBL-WDR-RUN-ULT,Test ULT wire manually trip winder and RM6

KBL-WDR-XHD-BATT,XHead Batteries,https://yourlogbook.example.com/checklist?item=KBL-WDR-XHD-BATT,Change batteries on U/L & O/L X-heads

**SharePoint list schema for WinderLog**

Create a SharePoint list named WinderLog with these columns.

| **Column Name** | **Type** | **Details** |
| --- | --- | --- |
| Title | Single line | Use QR\_ID or ComponentName |
| QR\_ID | Single line | Unique QR code ID |
| ComponentName | Single line | Human readable name |
| Status | Choice | Values: Green, Yellow, Red |
| Inspector | Person | Who performed check |
| Timestamp | DateTime | Default now |
| Notes | Multiple lines | Inspector notes |
| MeasuredValue | Single line | For VDC, A, m, sec etc. |
| Photo | Hyperlink or Image | Link to uploaded image |
| EscalatedFlag | Yes/No | Auto set when Yellow or Red |
| EscalationLevel | Choice | Values: None, ForemanEng, Management |
| IncidentID | Single line | Link to incident/ticket number |
| SiteLocation | Choice | e.g., KibbleWinder |
| Resolved | Yes/No | Mark when fixed |
| ResolvedBy | Person | Who resolved |
| ResolvedTimestamp | DateTime | When resolved |

**PowerApps screen mapping and behavior**

Screens: ScanScreen, ChecklistScreen, DetailScreen, IncidentScreen, AdminScreen.

* ScanScreen
  + QR scanner control or open via deep link ?item=QR\_ID.
  + On scan or deep link, navigate to ChecklistScreen with parameter QR\_ID.
* ChecklistScreen
  + Load record where QR\_ID = param.QR\_ID; if none, create new draft record prefilled QR\_ID and ComponentName (lookup table).
  + Fields presented: ComponentName (read-only), Status (radio: Green/Yellow/Red), MeasuredValue, Notes, Photo (camera), Inspector (current user).
  + Buttons: Save, Submit, Attach Photo.
  + Logic on Submit:
    - Patch WinderLog with values and Timestamp.
    - If Status = Yellow then set EscalatedFlag = true and EscalationLevel = ForemanEng.
    - If Status = Red then set EscalatedFlag = true and EscalationLevel = Management.
    - After Patch, call Power Automate flow via Flow button to send notifications and create incident if Red.
    - Show confirmation and return to ScanScreen.
* DetailScreen
  + Shows history of entries for that QR\_ID.
  + Quick action: Raise Incident, Mark Resolved.
* IncidentScreen
  + Capture priority, description, assign to, SLA, attach photos.
  + On creation, write to Incidents SharePoint list and populate IncidentID in WinderLog record.
* AdminScreen
  + Manage component lookup table, assign responsible engineer and foreman per component.

UI Notes

* Use large touch targets for Status and Save.
* Require Notes when status ≠ Green.
* Force photo attachment when status = Red.

**Power Automate flow: name WinderLog-Escalation**

Trigger: When an item is created or modified in WinderLog.

Steps:

1. Trigger conditions
   * Only continue if EscalatedFlag = true and a new change to Status occurred.
2. Get item and lookup component assignments (responsible Foreman, Engineer, Manager from a ComponentsList).
3. Switch on EscalationLevel
   * Case ForemanEng (Yellow)
     + Send push notification via PowerApps Notification or Teams message to Foreman and Engineer.
     + Send email to Foreman & Engineer with component, QR\_ID, Status, Notes, Photo link, Timestamp, MeasuredValue.
     + Create a SharePoint task in a Tasks list assigned to Foreman with due date = now + 24 hours.
     + Add a record in Incidents list with Priority = Medium and link IncidentID back to WinderLog.
   * Case Management (Red)
     + Send Teams @mention to on-call manager channel and individual SMS via Twilio or Email-to-SMS for site manager.
     + Create high priority incident in Incidents list with SLA = 4 hours, assign to Maintenance Supervisor.
     + Create Planner task and set to high priority, include photos and notes.
     + Update WinderLog IncidentID with new Incident number.
4. Logging
   * Write an entry to an AuditLog list with action, who, when, QR\_ID, previous status, new status.
5. Optional: If photo not present, send a notification requesting photo; block closure until photo attached.

Notification payload example (email/Teams)

* Subject: URGENT: Winder Issue KBL-WDR-RM6-FEED — Status RED
* Body lines: QR\_ID, ComponentName, Status, Inspector, Timestamp, MeasuredValue, Notes, Photo link, Link to record.

**Incidents list schema**

| **Column** | **Type** |
| --- | --- |
| IncidentID | Auto number or Title |
| QR\_ID | Single line |
| ComponentName | Single line |
| Priority | Choice High/Medium/Low |
| Status | Choice Open/In progress/Closed |
| AssignedTo | Person |
| CreatedBy | Person |
| CreatedTimestamp | DateTime |
| DueDate | DateTime |
| Photos | Multiple Image |
| ActionsTaken | Multiple lines |
| LinkedWinderLog | Lookup WinderLog |

**Deployment and test checklist**

1. Populate Components lookup list with QR\_ID and ComponentName and assigned Foreman and Engineer.
2. Create SharePoint lists: WinderLog, Incidents, AuditLog, Components.
3. Import the CSV template into your spreadsheet for QR generation and update DeepLinkURL fields to your SharePoint item deep links or to the web form route.
4. Generate QR images in bulk named by QR\_ID, print on durable labels, affix to components and record their physical locations.
5. Publish PowerApps and grant site access to electricians, foremen, managers.
6. Deploy Power Automate flow WinderLog-Escalation and test with test accounts.
7. Test scenarios:
   * Scan QR → open checklist → select Green → saves, no alerts.
   * Select Yellow → verify Foreman & Engineer receive Teams/email and Task created.
   * Select Red → verify Management receives escalated alerts, Incident created, Planner task assigned, SMS if configured.
   * Submit without notes when Yellow/Red → confirm app requires notes and photo for Red.
8. Train users with a one-page quick guide and run three supervised dry-run inspections.
9. Review logs and tweak SLA and notification recipients as needed.

**Quick next steps I will output for you now if you want**

* Full completed CSV for every QR\_ID in your document (ready for bulk QR generation).
* SharePoint list templates (JSON column formatting or PnP provisioning schema).
* PowerApps screen-by-screen property values and formulas for key behaviors. Choose one and I will produce it immediately.

yes please and will it be posible to flag a mesage to the engineer and forman to his electronic divice if any orange and red flags are mentiond in this winder examination.

**CSV — full QR mapping (ready for bulk QR generation)**

Save as CSV with header: QR\_ID,ComponentName,DeepLinkURL,DefaultNotes Replace https://yourlogbook.example.com/checklist?item= with your actual form/app deep-link base.

csv

QR\_ID,ComponentName,DeepLinkURL,DefaultNotes

KBL-WDR-ISO-START,Isolation Start,https://yourlogbook.example.com/checklist?item=KBL-WDR-ISO-START,Record start time and WED countersign

KBL-WDR-ISO-KEY,Remove Lockout Key,https://yourlogbook.example.com/checklist?item=KBL-WDR-ISO-KEY,Remove lockout key from driver desk

KBL-WDR-RM6-FEED,RM6 Feeder Breaker Isolate,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-FEED,Isolate and LOCKOUT feeder breaker

KBL-WDR-RM6-CONT-DIS,RM6 Contactor Contacts Discolouring,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-CONT-DIS,Inspect contactor contacts for discolouring

KBL-WDR-RM6-CONT-SPR,RM6 Contactor Contact Spring Wear,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-CONT-SPR,Inspect spring wear on contactor contacts

KBL-WDR-RM6-TERMS,RM6 Loose Terminals,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-TERMS,Check and tighten terminals

KBL-WDR-RM6-BUSB,RM6 Busbars Loose Connections,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-BUSB,Inspect busbars for loose connections

KBL-WDR-RM6-EARTH,RM6 Earthing,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-EARTH,Verify earthing to standard

KBL-WDR-RM6-BATT-CHG,RM6 Tripping Battery Charger,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-BATT-CHG,Ensure charger working correctly

KBL-WDR-RM6-BV-ON,RM6 Battery Voltage Charger ON,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-BV-ON,Record battery V with charger ON (VDC)

KBL-WDR-RM6-BV-OFF,RM6 Battery Voltage Charger OFF,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-BV-OFF,Record battery V with charger OFF (VDC)

KBL-WDR-RM6-MCCB,RM6 MCCB Protection Settings,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-MCCB,Verify protection settings per commissioning report

KBL-WDR-RM6-BLOW,RM6 Blow Out Panels,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-BLOW,Blow out panels with handheld blower

KBL-WDR-RM6-AIR,RM6 Aircon Filters,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-AIR,Filters clean and air-con working

KBL-WDR-RM6-LIGHT,RM6 Lights,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-LIGHT,Container lights operational

KBL-WDR-RM6-PLUG,RM6 Plugs,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-PLUG,Plugs operational

KBL-WDR-RM6-CLOSE,RM6 Clean Close,https://yourlogbook.example.com/checklist?item=KBL-WDR-RM6-CLOSE,Container clean and panels closed

KBL-WDR-HYD-LOCK,Hyd Pack 525V LOCKOUT,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-LOCK,Switch off 525V supply and LOCKOUT

KBL-WDR-HYD-BLOW,Hyd Pack Blow Out,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-BLOW,Open panels and blow out

KBL-WDR-HYD-PANCON,Hyd Pack Panel Connections,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-PANCON,Check panel connections are tight and clean

KBL-WDR-HYD-OL-BP1,Hyd Pack OL Brake Pump 1,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-OL-BP1,Record overload setting Brake Pump1 (A)

KBL-WDR-HYD-OL-BP2,Hyd Pack OL Brake Pump 2,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-OL-BP2,Record overload setting Brake Pump2 (A)

KBL-WDR-HYD-OL-CIRC,Hyd Pack OL Circulation Pump,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-OL-CIRC,Record overload setting Circulation pump (A)

KBL-WDR-HYD-OL-FAN,Hyd Pack OL Cooling Fan Pump,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-OL-FAN,Record overload setting Cooling Fan pump (A)

KBL-WDR-HYD-MOTOR,Hyd Pack Open Motors,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-MOTOR,Open motors and check connections

KBL-WDR-HYD-EARTH,Hyd Pack Glands & Earthing,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-EARTH,Check glands and earthing

KBL-WDR-HYD-FANS,Hyd Pack Motor Fans & Bases,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-FANS,Check motor fans and foot bases

KBL-WDR-HYD-SOL,Hyd Pack Solenoid Plugs,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-SOL,Inspect solenoid plugs and connections

KBL-WDR-HYD-JBOX,Hyd Pack Junction Box Connections,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-JBOX,Check junction box connections

KBL-WDR-HYD-OIL,Hyd Pack Hydraulic Oil Level,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-OIL,Record hydraulic oil level

KBL-WDR-HYD-LEAK,Hyd Pack Leaks,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-LEAK,Inspect container for leaks

KBL-WDR-HYD-LIGHT,Hyd Pack Lights,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-LIGHT,Container lights operational

KBL-WDR-HYD-PLUG,Hyd Pack Plugs,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-PLUG,Plugs operational

KBL-WDR-HYD-CLOSE,Hyd Pack Clean Close,https://yourlogbook.example.com/checklist?item=KBL-WDR-HYD-CLOSE,Container clean and panels closed

KBL-WDR-MCC-LOCK,MCC 525V LOCKOUT,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-LOCK,Switch off 525V supply and LOCKOUT

KBL-WDR-MCC-BLOW,MCC Blow Out Panels,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-BLOW,Open all panels and blow out

KBL-WDR-MCC-PANCON,MCC Panel Connections,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-PANCON,Check panel connections are tight and clean

KBL-WDR-MCC-OL-CWP1,MCC OL Cooling Water Pump 1,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-OL-CWP1,Record overload setting Cooling Water Pump 1 (A)

KBL-WDR-MCC-OL-CWP2,MCC OL Cooling Water Pump 2,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-OL-CWP2,Record overload setting Cooling Water Pump 2 (A)

KBL-WDR-MCC-OL-EP1,MCC OL Electrolyte Pump 1,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-OL-EP1,Record overload setting Electrolyte Pump 1 (A)

KBL-WDR-MCC-OL-EP2,MCC OL Electrolyte Pump 2,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-OL-EP2,Record overload setting Electrolyte Pump 2 (A)

KBL-WDR-MCC-OL-CTP1,MCC OL Cooling Tower Pump 1,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-OL-CTP1,Record overload setting Cooling Tower Pump 1 (A)

KBL-WDR-MCC-OL-CTP2,MCC OL Cooling Tower Pump 2,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-OL-CTP2,Record overload setting Cooling Tower Pump 2 (A)

KBL-WDR-MCC-OL-MMF1,MCC OL Main Motor Fan 1,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-OL-MMF1,Record overload setting Main Motor Fan 1 (A)

KBL-WDR-MCC-OL-MMF2,MCC OL Main Motor Fan 2,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-OL-MMF2,Record overload setting Main Motor Fan 2 (A)

KBL-WDR-MCC-OL-GF,MCC OL Gearbox Cooling Fan,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-OL-GF,Record overload setting Gearbox circulating cooling fan (A)

KBL-WDR-MCC-OL-OILP,MCC OL Circulating Oil Pump,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-OL-OILP,Record overload setting Circulating oil pump (A)

KBL-WDR-MCC-WAY,MCC Wiring Way Connections,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-WAY,Check both panels wiring way connections

KBL-WDR-MCC-LIQ,MCC Liquid Controller Panel,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-LIQ,Open liquid controller panel and check connections

KBL-WDR-MCC-MOTORS,MCC Open Motors,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-MOTORS,Open motors and check connections

KBL-WDR-MCC-EARTH,MCC Glands & Earthing,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-EARTH,Check glands and earthing

KBL-WDR-MCC-FANS,MCC Motor Fans & Bases,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-FANS,Check motor fans and foot bases

KBL-WDR-MCC-SOL,MCC Solenoid Plugs,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-SOL,Inspect solenoid plugs and connections

KBL-WDR-MCC-WATER1,MCC Liquid Controller Water Level,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-WATER1,Check water level in liquid controller

KBL-WDR-MCC-WATER2,MCC Cooling Tower Water Level,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-WATER2,Check water level in cooling towers

KBL-WDR-MCC-FLOW,MCC Flow Switches,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-FLOW,Check flow switches and operation

KBL-WDR-MCC-LOWLVL,MCC Low Level Switch,https://yourlogbook.example.com/checklist?item=KBL-WDR-MCC-LOWLVL,Check low level switch operation

KBL-WDR-MTR-BRUSH,Winder Motor Brushes & Springs,https://yourlogbook.example.com/checklist?item=KBL-WDR-MTR-BRUSH,Open motor and check brushes spring tightness and holders

KBL-WDR-MTR-CONN,Winder Motor Connections,https://yourlogbook.example.com/checklist?item=KBL-WDR-MTR-CONN,Check connections tight and no discolouring

KBL-WDR-MTR-FILT,Winder Fan Filters,https://yourlogbook.example.com/checklist?item=KBL-WDR-MTR-FILT,Open fan filters and blow out

KBL-WDR-MTR-EARTH,Winder Earthing,https://yourlogbook.example.com/checklist?item=KBL-WDR-MTR-EARTH,Check all earthing on containers and winder

KBL-WDR-MTR-BLOW,Winder Motor Blow Out,https://yourlogbook.example.com/checklist?item=KBL-WDR-MTR-BLOW,Blow out motor ensure no water in compressed air line

KBL-WDR-MTR-JBOX,Winder Junction Boxes,https://yourlogbook.example.com/checklist?item=KBL-WDR-MTR-JBOX,Inspect junction box connections for loose connections

KBL-WDR-MTR-LUB,Winder Gearbox Lub Motor Connections,https://yourlogbook.example.com/checklist?item=KBL-WDR-MTR-LUB,Check gearbox Lub motor connections and fan

KBL-WDR-MTR-LUBF,Winder Lub Fan & Blades,https://yourlogbook.example.com/checklist?item=KBL-WDR-MTR-LUBF,Check Lub cooling fan connections and blades

KBL-WDR-MTR-LUBTS,Winder Lub Temp Switch,https://yourlogbook.example.com/checklist?item=KBL-WDR-MTR-LUBTS,Check temp switch on Lub system

KBL-WDR-BRAKE-PROX,Brake Proximity Sensors & Cables,https://yourlogbook.example.com/checklist?item=KBL-WDR-BRAKE-PROX,Check all brake proxi's and cables

KBL-WDR-CAMBOX,Cam Boxes Bolts & Coupling,https://yourlogbook.example.com/checklist?item=KBL-WDR-CAMBOX,Open cam boxes and check cam bolts and coupling

KBL-WDR-ENC,Winder Encoder Brackets & Comms,https://yourlogbook.example.com/checklist?item=KBL-WDR-ENC,Check all encoder brackets plugs and communication

KBL-WDR-RUN-GEN,Running Tests General,https://yourlogbook.example.com/checklist?item=KBL-WDR-RUN-GEN,Test Driver MCC Hyd Pack Motor Gearbox Banksman Cabin Stage EStops

KBL-WDR-RUN-BELLS,Running Tests Bells & Interlocks,https://yourlogbook.example.com/checklist?item=KBL-WDR-RUN-BELLS,Test bells between driver bank headgear and stage and brake bell interlock

KBL-WDR-RUN-ULT,Running Tests ULT Wire,https://yourlogbook.example.com/checklist?item=KBL-WDR-RUN-ULT,Test ULT wire by hand must trip winder and RM6

KBL-WDR-RUN-NOSTART,Running Tests No Start Trip,https://yourlogbook.example.com/checklist?item=KBL-WDR-RUN-NOSTART,Record No start trip in seconds

KBL-WDR-XHD-BATT,XHead Batteries,https://yourlogbook.example.com/checklist?item=KBL-WDR-XHD-BATT,Change batteries on U/L & O/L X-heads

KBL-WDR-XHD-SEP,XHead Separation Switch & Alarm,https://yourlogbook.example.com/checklist?item=KBL-WDR-XHD-SEP,Check operation of U/L & O/L separation switches and alarm

KBL-WDR-XHD-AERIAL,XHead Aerials & Camera,https://yourlogbook.example.com/checklist?item=KBL-WDR-XHD-AERIAL,Ensure aerials and camera comms secure and working

KBL-WDR-XHD-SIU,XHead Shaft Inspect Unit,https://yourlogbook.example.com/checklist?item=KBL-WDR-XHD-SIU,Plug in shaft inspection unit and test bells comms

KBL-WDR-HG-LOAD,Headgear Load Cells & Cables,https://yourlogbook.example.com/checklist?item=KBL-WDR-HG-LOAD,Load cells secure and no damages on cable CCG box connections

KBL-WDR-HG-JT-AER,Headgear JT Aerials,https://yourlogbook.example.com/checklist?item=KBL-WDR-HG-JT-AER,Check JT aerials secure clean and connections tight

KBL-WDR-HG-TIP,Headgear Tipping Winch & Kibble Interlock,https://yourlogbook.example.com/checklist?item=KBL-WDR-HG-TIP,Test tipping winches and kibble interlock

KBL-WDR-HG-CHUTE,Headgear Chute Proxies & JBoxes,https://yourlogbook.example.com/checklist?item=KBL-WDR-HG-CHUTE,Check chute proxi's and junction boxes

KBL-WDR-HG-TIPBOX,Headgear Tipping Control Boxes,https://yourlogbook.example.com/checklist?item=KBL-WDR-HG-TIPBOX,Check tipping control boxes operation junction boxes connections

KBL-WDR-HG-ROBOT,Headgear Bell Robot Lights,https://yourlogbook.example.com/checklist?item=KBL-WDR-HG-ROBOT,Check operation of bell robot lights

KBL-WDR-HG-SIREN,Headgear Tip Attendant & Banksman Siren,https://yourlogbook.example.com/checklist?item=KBL-WDR-HG-SIREN,Test tip attendant and banksman siren

KBL-WDR-HG-HYD,Headgear Hydraulic Pack Junction Box,https://yourlogbook.example.com/checklist?item=KBL-WDR-HG-HYD,Check headgear hydraulic pack junction box connections and operations

KBL-WDR-HG-CAMS,Cameras Inspect & Clean,https://yourlogbook.example.com/checklist?item=KBL-WDR-HG-CAMS,Inspect tipping and Jumbo camera and clean

KBL-WDR-HG-CALSW,Headgear Calibration Switches,https://yourlogbook.example.com/checklist?item=KBL-WDR-HG-CALSW,Check U/L & O/L calibration switches secure and connections

KBL-WDR-HG-JUMBO,Headgear Jumbo Bell & Winch,https://yourlogbook.example.com/checklist?item=KBL-WDR-HG-JUMBO,Test Jumbo bell operation lock bell and check winch park switch

KBL-WDR-BANK-PANEL,Bank Area Banksman Panel,https://yourlogbook.example.com/checklist?item=KBL-WDR-BANK-PANEL,Test banksman panel operation and check labelling

KBL-WDR-BANK-BIZA,Bank Biza-khaluma to Stage,https://yourlogbook.example.com/checklist?item=KBL-WDR-BANK-BIZA,Test Biza-khaluma to stage operation

KBL-WDR-BANK-BELLS,Bank Bells & Interlocks,https://yourlogbook.example.com/checklist?item=KBL-WDR-BANK-BELLS,Test banksman bell to driver and stage and brake bell interlock

KBL-WDR-BANK-ROBOT,Bank Bell Robot Lights,https://yourlogbook.example.com/checklist?item=KBL-WDR-BANK-ROBOT,Check bell robot lights for correct operation

KBL-WDR-BANK-HYD,Bank Hydraulic Pack Junction Box,https://yourlogbook.example.com/checklist?item=KBL-WDR-BANK-HYD,Check bank hydraulic pack junction box connections and operations

KBL-WDR-BANK-TILT,Bank Door Tilt Switches,https://yourlogbook.example.com/checklist?item=KBL-WDR-BANK-TILT,Check bank door tilt switch brackets and cables

KBL-WDR-BANK-GATE,Bank Gate Proxies CCG,https://yourlogbook.example.com/checklist?item=KBL-WDR-BANK-GATE,Check bank gate proxi's CCG boxes and connections

KBL-WDR-BANK-HYDPROX,Bank Door Hydraulic Proxies,https://yourlogbook.example.com/checklist?item=KBL-WDR-BANK-HYDPROX,Check bank door hydraulic proxi's brackets and cables

KBL-WDR-BANK-XCAM,Bank JT X-Head Camera Aerial,https://yourlogbook.example.com/checklist?item=KBL-WDR-BANK-XCAM,Check JT X-Head camera aerial cable and connection

KBL-WDR-STG-XSTOP,Stage X-Head Stoppers,https://yourlogbook.example.com/checklist?item=KBL-WDR-STG-XSTOP,X-Head stoppers working and indicating correctly

KBL-WDR-STG-GATES,Stage Gates,https://yourlogbook.example.com/checklist?item=KBL-WDR-STG-GATES,Stage gates working and indicating correctly

KBL-WDR-STG-ESTOP,Stage Emergency Stop,https://yourlogbook.example.com/checklist?item=KBL-WDR-STG-ESTOP,Test Emergency stop

KBL-WDR-STG-BELLS,Stage Bells & Brake Interlock,https://yourlogbook.example.com/checklist?item=KBL-WDR-STG-BELLS,Test bells and bell brake interlock

KBL-WDR-RUN-OLKBD,O/L Kibble Bank Door Zone,https://yourlogbook.example.com/checklist?item=KBL-WDR-RUN-OLKBD,Record O/L Kibble bank door zone (m)

KBL-WDR-RUN-OLBDA,O/L Bank Door Approach,https://yourlogbook.example.com/checklist?item=KBL-WDR-RUN-OLBDA,Record O/L Bank door approach from stage (m)

KBL-WDR-RUN-OLSTG,O/L Stage Approach Trip,https://yourlogbook.example.com/checklist?item=KBL-WDR-RUN-OLSTG,Record O/L Stage approach trip (m)

KBL-WDR-RUN-OLKTM,O/L Kibble Tip Magnet,https://yourlogbook.example.com/checklist?item=KBL-WDR-RUN-OLKTM,Record O/L Kibble in Tip magnet switch (m)

KBL-WDR-RUN-OLMECH,O/L Mechanical Overwind,https://yourlogbook.example.com/checklist?item=KBL-WDR-RUN-OLMECH,Record O/L Mechanical Overwind (m)

KBL-WDR-RUN-OLLILLY,O/L Lilly Overwind,https://yourlogbook.example.com/checklist?item=KBL-WDR-RUN-OLLILLY,Record O/L Lilly Overwind (m)

KBL-WDR-RUN-ULKBD,U/L Kibble Bank Door Zone,https://yourlogbook.example.com/checklist?item=KBL-WDR-RUN-ULKBD,Record U/L Kibble bank door zone (m)

KBL-WDR-RUN-ULBDA,U/L Bank Door Approach,https://yourlogbook.example.com/checklist?item=KBL-WDR-RUN-ULBDA,Record U/L Bank door approach from stage (m)

KBL-WDR-RUN-ULSTG,U/L Stage Approach Trip,https://yourlogbook.example.com/checklist?item=KBL-WDR-RUN-ULSTG,Record U/L Stage approach trip (m)

KBL-WDR-RUN-ULKTM,U/L Kibble Tip Magnet,https://yourlogbook.example.com/checklist?item=KBL-WDR-RUN-ULKTM,Record U/L Kibble in Tip magnet switch (m)

KBL-WDR-RUN-ULMECH,U/L Mechanical Overwind,https://yourlogbook.example.com/checklist?item=KBL-WDR-RUN-ULMECH,Record U/L Mechanical Overwind (m)

KBL-WDR-RUN-ULLILLY,U/L Lilly Overwind,https://yourlogbook.example.com/checklist?item=KBL-WDR-RUN-ULLILLY,Record U/L Lilly Overwind (m)

KBL-WDR-SPARES,Spares Used,https://yourlogbook.example.com/checklist?item=KBL-WDR-SPARES,Record spares used

KBL-WDR-REMARKS,Remarks,https://yourlogbook.example.com/checklist?item=KBL-WDR-REMARKS,Record additional remarks and actions taken

KBL-WDR-SIGNOFF,Sign-off,https://yourlogbook.example.com/checklist?item=KBL-WDR-SIGNOFF,Sign driver logbook and record artisan foreman signatures

**Escalation & real-time device flagging (Engineer and Foreman)**

* **Yes — it is possible.** Use Power Automate (Flow) or your backend to detect status = Yellow or Red then push notifications to the engineer and foreman devices immediately.
* Recommended implementation summary:
  1. Store each checklist submission in SharePoint list WinderLog (schema provided earlier) including fields QR\_ID, Status, Notes, Photo, Inspector, Timestamp.
  2. Build a Power Automate flow triggered When an item is created or modified.
  3. Flow logic:
     + Condition: if Status = Green → do nothing.
     + If Status = Yellow:
       - Send adaptive card (or message) to Foreman and Engineer via Teams with a button link to the WinderLog item.
       - Send push notification to the mobile app (Power Apps Notification connector) or use platform SMS/Push connector.
       - Create a SharePoint task assigned to Foreman; set EscalatedFlag = true.
     + If Status = Red:
       - Send high-priority Teams message + Email + SMS to Foreman, Engineer, and Site Management.
       - Create high-priority Incident record in Incidents list and create Planner task assigned to maintenance lead.
       - Optionally call an external ticketing API (ServiceNow/Jira) to open an incident.
  4. Require mandatory Notes and Photo when Status ≠ Green; block closure until incident acknowledged for Red.
  5. Log notification delivery and user acknowledgements back into the WinderLog record (fields: EscalationLevel, IncidentID, AcknowledgedBy, AcknowledgedTimestamp).
  6. For mobile push use Teams mobile notifications, Power Apps notification, or SMS via Twilio depending on urgency and connectivity.
* Practical alerting methods (choose one or combine):
  1. Teams message with @mention to individuals or an on-call channel (works reliably on desktops and mobiles).
  2. Power Apps push notifications (works if users have the app and permission).
  3. Email-to-SMS or Twilio SMS for immediate attention on non-app devices.
  4. Integration with PagerDuty or on-call systems for true 24/7 escalation.

**Sample Power Automate actions (concise recipe)**

1. Trigger: When an item is created or modified (WinderLog).
2. Get item; determine previous Status (optional).
3. If Status = Yellow:
   * Send Teams message to Foreman and Engineer (include QR\_ID, ComponentName, Notes, Photo link, direct link to item).
   * Create SharePoint task assigned to Foreman.
4. If Status = Red:
   * Send urgent Teams message to Manager + Foreman + Engineer; also send SMS via Twilio.
   * Create Incident in Incidents list and create Planner task with due date and attachments.
5. Update WinderLog EscalatedFlag and IncidentID.
6. Add Audit entry to AuditLog list.

**Next deliverable I will produce now if you want**

* The same CSV exported as a downloadable file content (paste-ready).
* A ready-to-import SharePoint list JSON template for the WinderLog schema.
* A step-by-step Power Automate flow outline with exact connector names and sample Adaptive Card JSON for Teams.

Choose which one to receive next and I will output it immediately.

yes please

**Power Automate flow: WinderLog‑Escalation (complete implementation guide)**

**Purpose**

Capture new or changed checklist entries and immediately notify Foreman and Engineer for Yellow flags and Foreman, Engineer + Management for Red flags; create incident records and log audit entries.

**Flow overview**

1. Trigger: When an item is created or modified (SharePoint list: WinderLog)
2. Condition: Status changed and Status ≠ Green
3. If Yellow: notify Foreman & Engineer, create task (medium priority), update WinderLog EscalatedFlag and EscalationLevel
4. If Red: send urgent notifications (Teams + Email + SMS), create Incident (high priority) and Planner task, update WinderLog with IncidentID and EscalationLevel
5. Always: write AuditLog entry and require photo/notes if Status ≠ Green

**Prerequisites**

* SharePoint lists: WinderLog, Components (lookup), Incidents, AuditLog, Tasks (or use Planner)
* WinderLog columns: Title, QR\_ID, ComponentName, Status, Inspector, Timestamp, Notes, MeasuredValue, Photo (link), EscalatedFlag (Yes/No), EscalationLevel, IncidentID, AcknowledgedBy, AcknowledgedTimestamp, Resolved, ResolvedBy, ResolvedTimestamp
* Components list: QR\_ID, ComponentName, ForemanUser (Person), EngineerUser (Person), ManagerUser (Person)
* Power Automate license with connector access: SharePoint, Teams, Office 365 Users, Outlook, Planner, HTTP/Twilio (optional)
* Foreman, Engineer and Managers must be defined in Components list or an Admin mapping

**Trigger and initial checks**

* Trigger action: SharePoint — When an item is created or modified (Site, List = WinderLog)
* Next action: Get changes for an item (use “Get changes for an item or a file (properties only)”) to detect if the Status field changed; proceed only if Status changed or item is new
* Action: Get item (WinderLog) to fetch current field values
* Action: Get item from Components where QR\_ID = WinderLog.QR\_ID to retrieve ForemanUser, EngineerUser, ManagerUser

**Validation step (enforce required fields)**

* Condition: If WinderLog.Status in [Yellow, Red] AND (Notes is empty OR (Status = Red AND Photo is empty))
  + If true: Update WinderLog with EscalationLevel = "PendingDetails"; send message to Inspector (Teams/email) requesting required Notes/Photo; terminate flow for now
  + If false: continue

**Branch A — Status = Yellow**

1. Compose notification payload (small summary object: QR\_ID, ComponentName, Status, Inspector, Timestamp, MeasuredValue, LinkToItem, Notes, PhotoLink)
2. Teams action: Post an Adaptive Card to user(s) (ForemanUser, EngineerUser) or to an on-call channel with @mention for users
   * Card includes: component, status (Yellow), notes, direct button “Open Checklist” linking to the SharePoint item, and “Acknowledge” action (invokes an acknowledgement HTTP request back to a flow endpoint)
3. Outlook action: Send an email to ForemanUser and EngineerUser with summary and link
4. Create Planner task or SharePoint task assigned to ForemanUser; due date = utcNow() + 24 hours; Priority = Normal; include link and photo
5. Update item (WinderLog): EscalatedFlag = Yes; EscalationLevel = ForemanEng; IncidentID = (blank); AcknowledgedBy = null
6. Create AuditLog entry with previous and current status and notification details

**Branch B — Status = Red**

1. Compose full urgent payload (QR\_ID, ComponentName, Status = Red, Inspector, Timestamp, MeasuredValue, LinkToItem, Notes, PhotoLink, SuggestedImmediateAction)
2. Teams action: Post an Adaptive Card to a high-priority on‑call channel and direct message ForemanUser, EngineerUser and ManagerUser; set Teams priority to Important if available
3. Outlook action: Send high‑importance email to Foreman, Engineer, Manager with subject prefix URGENT: [QR\_ID] [ComponentName] — RED
4. SMS action (optional): Send SMS to ManagerUser and ForemanUser using Twilio connector or Email-to-SMS gateway with short summary and item link
5. Create Incident (SharePoint Incidents list) with fields: QR\_ID, ComponentName, Priority = High, Status = Open, AssignedTo = MaintenanceLead (from Components mapping or default), DueDate = utcNow() + 4 hours, Photos attached, Notes
6. Create Planner task assigned to MaintenanceLead, Priority = High, due date as above
7. Update WinderLog: EscalatedFlag = Yes; EscalationLevel = Management; IncidentID = new IncidentID
8. Create AuditLog entry and include IncidentID and notification delivery metadata

**Acknowledgement and follow-up**

* Adaptive Card “Acknowledge” button sends data to a dedicated Power Automate HTTP Request trigger or a Flow Button that records AcknowledgedBy, AcknowledgedTimestamp and posts a reply in the original Teams thread
* If no acknowledgement within 30 minutes (Yellow) or 10 minutes (Red), escalate automatically: re-notify and SMS Manager, raise priority in Planner and update Incidents list with escalation notes

**Adaptive Card JSON (Teams) — Yellow (compact)**

Use this JSON in “Post an Adaptive Card to a user” action; replace placeholders via Flow dynamic content.

json

{

"$schema": "http://adaptivecards.io/schemas/adaptive-card.json",

"type": "AdaptiveCard",

"version": "1.4",

"body": [

{ "type": "TextBlock", "size": "Medium", "weight": "Bolder", "text": "Winder Alert — Status: YELLOW" },

{ "type": "TextBlock", "text": "\*\*Component:\*\* ${ComponentName}", "wrap": true },

{ "type": "TextBlock", "text": "\*\*QR ID:\*\* ${QR\_ID}", "wrap": true },

{ "type": "TextBlock", "text": "\*\*Inspector:\*\* ${Inspector} • \*\*Time:\*\* ${Timestamp}", "wrap": true },

{ "type": "TextBlock", "text": "\*\*Notes:\*\* ${Notes}", "wrap": true },

{ "type": "Image", "url": "${PhotoLink}", "size": "Medium", "altText": "Photo (if attached)" }

],

"actions": [

{ "type": "Action.OpenUrl", "title": "Open Checklist", "url": "${LinkToItem}" },

{ "type": "Action.Submit", "title": "Acknowledge", "data": { "action": "ack", "qr": "${QR\_ID}" } }

]

}

**Adaptive Card JSON (Teams) — Red (urgent)**

Same structure with red styling and an extra “Create Incident” button.

json

{

"$schema": "http://adaptivecards.io/schemas/adaptive-card.json",

"type": "AdaptiveCard",

"version": "1.4",

"body": [

{ "type": "TextBlock", "size": "Large", "weight": "Bolder", "color": "Attention", "text": "URGENT — Winder Alert: RED" },

{ "type": "TextBlock", "text": "\*\*Component:\*\* ${ComponentName}", "wrap": true },

{ "type": "TextBlock", "text": "\*\*QR ID:\*\* ${QR\_ID}", "wrap": true },

{ "type": "TextBlock", "text": "\*\*Inspector:\*\* ${Inspector} • \*\*Time:\*\* ${Timestamp}", "wrap": true },

{ "type": "TextBlock", "text": "\*\*Notes:\*\* ${Notes}", "wrap": true },

{ "type": "Image", "url": "${PhotoLink}", "size": "Medium", "altText": "Photo (if attached)" }

],

"actions": [

{ "type": "Action.OpenUrl", "title": "Open Checklist", "url": "${LinkToItem}" },

{ "type": "Action.Submit", "title": "Acknowledge", "data": { "action": "ack", "qr": "${QR\_ID}" } },

{ "type": "Action.Submit", "title": "Create Incident Now", "data": { "action": "create\_incident", "qr": "${QR\_ID}" } }

]

}

Note: Use Flow to parse Action.Submit payloads and map ack/create\_incident actions to corresponding Flow branches.

**Teams message alternatives**

* Use “Post message in a chat or channel” with @mention and include direct link to item if Adaptive Cards are not required.
* For mobile push reliability, send both Teams message and Email (some users rely on email notifications).

**SMS (Twilio) sample action**

* Connector: Twilio — Send SMS
* Body: URGENT: Winder RED — {QR\_ID}). Inspector: ${Inspector}. Open: ${LinkToItem}
* Use Twilio Account SID/Auth Token stored in Flow connections.

**Planner / Task creation**

* Connector: Planner — Create a task in a specified Plan and Bucket
* Title: [URGENT] ${QR\_ID} — ${ComponentName}
* Assign to: MaintenanceLead (from Components list)
* Due date/time: utcNow() + 4 hours (for Red) or +24 hours (for Yellow)
* Description: include Notes, PhotoLink, LinkToItem, Inspector, Timestamp

**Incident record creation (SharePoint)**

* Add item to Incidents list with fields: Title = AutoNumber or QR\_ID + timestamp, QR\_ID, ComponentName, Priority, Status = Open, AssignedTo, CreatedBy, CreatedTimestamp, DueDate, Photos (attach), LinkedWinderLog = WinderLog ID
* Return IncidentID and update WinderLog.IncidentID

**Audit logging**

* Create AuditLog item for every notification event: fields QR\_ID, OldStatus, NewStatus, WhoTriggered, NotificationSentTo, NotificationMethods, Timestamp, IncidentID (if any)

**Failure handling and retries**

* Use Configure run after for critical notification actions; if Teams/Email/SMS actions fail, retry with exponential backoff; if still failing, create a low-priority Incident and send an admin email.

**Testing plan (quick)**

1. Create a test WinderLog entry with Status = Green → verify no notifications.
2. Create a test WinderLog entry with Status = Yellow (include Notes/photo) → verify Teams card to Foreman/Engineer, Planner task, Incidents list entry (medium) and WinderLog updates.
3. Create test WinderLog entry with Status = Red (include Notes/photo) → verify Teams urgent card, Email (high importance), SMS to Manager, Incident created with high priority and Planner task assigned, WinderLog updated with IncidentID.
4. Test acknowledgement: press Acknowledge in the Teams card → verify AcknowledgedBy and AcknowledgedTimestamp store in WinderLog and that escalation timers stop.
5. Test escalation timers by not acknowledging and observing auto-escalation after configured timeouts.
6. Test failed notification handling by temporarily disabling Teams connector and confirming fallback behavior.

**Implementation tips**

* Keep Components list up-to-date with on-call contacts; reference that list rather than hardcoding recipients.
* Require Notes for Yellow and Notes+Photo for Red via pre‑validation step in the Flow or in the PowerApps form.
* Use Adaptive Cards for interactive acknowledgement; they provide best user experience on mobile Teams.
* Log notification delivery and user acknowledgements for compliance and audits.
* Secure HTTP endpoints used for Adaptive Card actions (use Flow’s built-in trigger validation).

If you want I will now produce:

* The exact Power Automate flow JSON/step-by-step action list ready to import (exportable template style), or
* A ready-to-use Adaptive Card JSON with dynamic placeholders mapped to Flow dynamic content, or
* A copy‑pasteable sample HTTP Request trigger payload and the acknowledgement Flow steps.

Tell me which one to output next and I will produce it immediately.

yes please

**Power Automate flow: WinderLog‑Escalation — Step‑by‑step actions (ready to implement)**

Overview: one flow “WinderLog‑Escalation” triggered when a WinderLog SharePoint item is created or modified. It validates required fields, detects status change, enforces Notes/Photo rules, routes Yellow → Foreman+Engineer, Red → Foreman+Engineer+Management, creates incidents/tasks, logs audit entries and supports ack/auto‑escalation.

**Prerequisites (create before flow)**

* SharePoint lists: WinderLog, Components, Incidents, AuditLog, Tasks (or use Planner).
* WinderLog columns (minimum): Title, QR\_ID, ComponentName, Status (Choice: Green/Yellow/Red), Inspector (Person), Timestamp (DateTime), Notes (Multiline), MeasuredValue (Single line), Photo (Hyperlink/Image), EscalatedFlag (Yes/No), EscalationLevel (Choice), IncidentID (Single line), AcknowledgedBy (Person), AcknowledgedTimestamp (DateTime).
* Components list columns: QR\_ID, ComponentName, ForemanUser (Person), EngineerUser (Person), ManagerUser (Person), MaintenanceLead (Person).
* Have connection to Teams, Outlook, Planner (or Tasks), Twilio (optional), SharePoint.
* Adaptive Card endpoint: flow will post Adaptive Cards to users/channels; use “Post an adaptive card to a user and wait for a response” or “Post an adaptive card to a channel” actions.

**Flow: trigger and initial get actions**

1. Trigger: SharePoint — When an item is created or modified
   * Site Address: your site; List Name: WinderLog.
2. Action: Get changes for an item or a file (properties only)
   * Site Address, List Name, Id = ID from trigger, Since = triggerBody()?['Modified'] minus as appropriate (use Trigger Window Token technique).
   * Purpose: detect if Status field actually changed (so you don’t re‑process every update).
3. Action: Condition — proceed only if Status changed OR item is new
   * Use expression comparing Has Column Changed: body('Get\_changes\_for\_an\_item\_or\_a\_file')?['HasColumnChanged']?['Status'] equals true OR triggerOutputs()?['headers']?['x-ms-file-last-modified'] empty logic for new items.
4. Action: Get item — retrieve the full WinderLog item (ID from trigger) for all fields.
5. Action: Get items (Components) — Filter Query: QR\_ID eq 'WinderLog.QR\_ID' to obtain ForemanUser, EngineerUser, ManagerUser, MaintenanceLead.

**Validation: require Notes and Photo for non‑Green**

1. Action: Condition — If Status is Yellow or Red AND (Notes is empty OR (Status = Red AND Photo is empty))
   * Expression examples:
     + Notes empty: equals(trim(body('Get\_item')?['Notes']), '')
     + Photo empty: equals(body('Get\_item')?['Photo'], null) OR equals(trim(body('Get\_item')?['Photo']), '')
   * If true:
     + Action: Update item — set EscalationLevel = PendingDetails; EscalatedFlag = No.
     + Action: Send Teams message / Email to Inspector (body('Get\_item')?['Inspector/Email']) requesting required Notes/Photo with direct link to item.
     + Terminate flow (Status: Cancelled).
   * If false: continue.

**Compose common payloads**

1. Action: Compose — NotificationPayload (JSON) with mappings:
   * QR\_ID: body('Get\_item')?['QR\_ID']
   * ComponentName: body('Get\_item')?['ComponentName']
   * Status: body('Get\_item')?['Status']
   * Inspector: body('Get\_item')?['Inspector/DisplayName']
   * Timestamp: utcNow() or body('Get\_item')?['Timestamp']
   * MeasuredValue: body('Get\_item')?['MeasuredValue']
   * Notes: body('Get\_item')?['Notes']
   * PhotoLink: body('Get\_item')?['Photo']
   * LinkToItem: concat('<SharePoint item URL prefix>', items('Get\_item')?['ID'])

**Branch: Status = Yellow**

1. Action: Condition — If body('Get\_item')?['Status'] equals 'Yellow'
   * True branch (Yellow): a. Action: Post an Adaptive Card to a user (ForemanUser) — use Adaptive Card JSON (see below) with payload from Compose. b. Action: Post an Adaptive Card to a user (EngineerUser). c. Action: Send an email (Office 365 Outlook) to ForemanUser and EngineerUser with subject: "Winder Alert — YELLOW — [QR\_ID] [ComponentName]" and include LinkToItem, Notes, PhotoLink, MeasuredValue. d. Action: Create a Planner task or SharePoint Tasks item assigned to ForemanUser: Title = "[YELLOW] [QR\_ID] [ComponentName]"; Due Date = utcNow() + 24 hours; Description contains link and payload. e. Action: Update WinderLog item — set EscalatedFlag = Yes; EscalationLevel = ForemanEng; IncidentID = blank. f. Action: Create AuditLog item (include QR\_ID, OldStatus, NewStatus, NotificationRecipients, Timestamp). g. Action: Start an “Escalation timer” — Create Delay until (utcNow() + 30 minutes) then check AcknowledgedBy; if not acknowledged → escalate (send SMS or re‑post card + notify manager). Implement by creating a separate scheduled/child flow or use Do Until with timeout.

**Branch: Status = Red**

1. Action: Condition — If body('Get\_item')?['Status'] equals 'Red'
   * True branch (Red): a. Action: Post Adaptive Card to ForemanUser, EngineerUser and ManagerUser (direct message) or Post to an on‑call Teams Channel (set as Important if possible). Use Red Adaptive Card JSON (see below). b. Action: Send High Importance email to ForemanUser, EngineerUser, ManagerUser with subject: "URGENT: Winder RED — [QR\_ID] [ComponentName]". Include link, notes, photo and “Acknowledge” link (link back to a Power Automate HTTP endpoint or to the SharePoint item). c. Action (optional): Twilio — Send SMS to ManagerUser and ForemanUser with short summary and link. d. Action: Create Incident (Incidents list) — Title = concat('INC-', formatDateTime(utcNow(), 'yyyyMMddHHmmss')), QR\_ID, ComponentName, Priority = High, Status = Open, AssignedTo = MaintenanceLead, DueDate = utcNow() + 4 hours, Notes attach PhotoLink. Capture created item ID. e. Action: Create Planner task assigned to MaintenanceLead — Title = "[URGENT] [QR\_ID] [ComponentName]"; Priority = High; Due date per incident. f. Action: Update WinderLog — set EscalatedFlag = Yes; EscalationLevel = Management; IncidentID = (Incident ID from previous action). g. Action: Create AuditLog entry (include IncidentID and notification metadata). h. Action: Start an “Escalation timer” — Delay 10 minutes; if no AcknowledgedBy, escalate to on‑call manager via SMS and re-post urgent card. Use a child flow or schedule to monitor ack state.

**Acknowledgement handling (Adaptive Card submit)**

1. Action: Create a separate flow or HTTP Request trigger to accept Adaptive Card submit actions (Acknowledge or Create Incident actions)
   * Trigger: When an HTTP request is received (secure endpoint created by flow).
   * Parse request body: { action: 'ack'|'create\_incident', qr: 'KBL-WDR-...' , user: '...'}
   * Action: Lookup WinderLog item by QR\_ID and most recent item (filter by QR\_ID, order by Timestamp desc, top 1).
   * Action: Update WinderLog — set AcknowledgedBy = user (use Office 365 Users lookup), AcknowledgedTimestamp = utcNow().
   * Action: Post reply to original Teams thread (optional) stating who acknowledged and timestamp.
   * If action = create\_incident and no Incident exists, call the incident creation steps from the Red branch then update WinderLog.IncidentID.
   * Return HTTP 200 success.

**Auto‑escalation child flow (recommended)**

1. Create a child flow “WinderLog‑Escalation‑Monitor” called from main flow passing WinderLog ID, EscalationLevel, TimeoutMinutes, RecipientList.
   * Child flow actions:
     + Delay Until: utcNow() + TimeoutMinutes
     + Get WinderLog item; check AcknowledgedBy and Resolved flags; if acknowledged/closed → exit.
     + If not acknowledged: escalate by sending SMS and Teams message to next level, update AuditLog, optionally increase Priority in Planner and update Incident notes.
   * Call child flow from Yellow (30 min) and Red (10 min) branches.

**Audit logging**

1. After every notification create AuditLog item with fields:
   * QR\_ID, WinderLogID, OldStatus, NewStatus, WhoTriggered, NotificationRecipients (emails/UPNs), NotificationMethods (Teams/Email/SMS), Timestamp, IncidentID (if any), EscalationLevel.

**Failure & retry handling**

* For critical actions (Teams, Email, SMS) configure “Configure run after” to retry on failure; on persistent failure create low priority Incident and send an admin email.
* Use “Scope” actions and error branch to capture and log failures to AuditLog.

**Adaptive Card JSON (placeholders explained)**

* Use the Adaptive Card JSON from earlier messages; map placeholders using Flow dynamic content. Use the “Post an adaptive card to a user and wait for a response” if you want immediate ack processing within that flow; otherwise post to channel.

Yellow card example fields to map:

* ${ComponentName} → body('Get\_item')?['ComponentName']
* ${QR\_ID} → body('Get\_item')?['QR\_ID']
* ${Inspector} → body('Get\_item')?['Inspector/DisplayName']
* ${Timestamp} → body('Get\_item')?['Timestamp'] or utcNow()
* ${Notes} → body('Get\_item')?['Notes']
* ${PhotoLink} → body('Get\_item')?['Photo']
* ${LinkToItem} → SharePoint item URL for quick access

Red card: same mapping but use color "Attention", include Create Incident button set to call the HTTP Request flow if desired.

**Implementation tips and expressions**

* LinkToItem expression:
  + concat('https://yourtenant.sharepoint.com/sites/YourSite/Lists/WinderLog/DispForm.aspx?ID=', string(body('Get\_item')?['ID']))
* Check Notes empty:
  + equals(trim(coalesce(body('Get\_item')?['Notes'], '')), '')
* Check Photo attached:
  + equals(coalesce(body('Get\_item')?['Photo'], ''), '')
* Use Filter Query for Components:
  + QR\_ID eq '@{body('Get\_item')?['QR\_ID']}' (ensure proper quoting)

**Testing steps (execute after building flow)**

1. Create WinderLog item Status = Green → verify no notifications, EscalatedFlag = No.
2. Create WinderLog item Status = Yellow with Notes and Photo → verify Teams cards to Foreman & Engineer, Planner task, EscalatedFlag = Yes, EscalationLevel = ForemanEng, AuditLog entry, child flow monitors ack.
3. Create WinderLog item Status = Red with Notes and Photo → verify Teams + Email + SMS to managers, Incident created, Planner task high priority, EscalatedFlag = Yes, EscalationLevel = Management, AuditLog entry and monitor.
4. Use Adaptive Card Acknowledge → verify AcknowledgedBy and Timestamp update and escalation timers stop.
5. Simulate non‑acknowledgement to validate child flow auto‑escalation.

**Deliverable I will produce next (if you want)**

* Fully detailed exportable action list formatted as a Power Automate importable solution JSON skeleton (requires minor tenant IDs edited), or
* Copy‑pasteable Adaptive Card JSON with all dynamic placeholders labeled, or
* A ready SharePoint PnP/PowerShell provisioning script for the WinderLog and Components lists.

State which of the three you want now and I will produce it immediately.

please do

**Adaptive Card JSON — Yellow Alert (copy‑pasteable)**

Use in Power Automate action “Post an adaptive card to a user” or “Post an adaptive card to a channel.” Replace placeholder tokens with Flow dynamic content (mapping provided below).

json

{

"$schema": "http://adaptivecards.io/schemas/adaptive-card.json",

"type": "AdaptiveCard",

"version": "1.4",

"body": [

{

"type": "TextBlock",

"size": "Medium",

"weight": "Bolder",

"text": "Winder Alert — Status: YELLOW"

},

{

"type": "FactSet",

"facts": [

{ "title": "Component:", "value": "${ComponentName}" },

{ "title": "QR ID:", "value": "${QR\_ID}" },

{ "title": "Inspector:", "value": "${Inspector}" },

{ "title": "Time:", "value": "${Timestamp}" },

{ "title": "Measured:", "value": "${MeasuredValue}" }

]

},

{

"type": "TextBlock",

"wrap": true,

"text": "\*\*Notes:\*\* ${Notes}"

},

{

"type": "Image",

"url": "${PhotoLink}",

"size": "Medium",

"altText": "Attached photo (if any)"

}

],

"actions": [

{

"type": "Action.OpenUrl",

"title": "Open Checklist",

"url": "${LinkToItem}"

},

{

"type": "Action.Submit",

"title": "Acknowledge",

"data": { "action": "ack", "qr": "${QR\_ID}" }

}

]

}

Mapping for Power Automate dynamic content (replace each ${...} with the appropriate dynamic token):

* ${ComponentName} → WinderLog:ComponentName
* ${QR\_ID} → WinderLog:QR\_ID
* ${Inspector} → WinderLog:Inspector/DisplayName
* ${Timestamp} → utcNow() or WinderLog:Timestamp
* ${MeasuredValue} → WinderLog:MeasuredValue
* ${Notes} → WinderLog:Notes
* ${PhotoLink} → WinderLog:Photo (link to image)
* ${LinkToItem} → concat('https://yourtenant.sharepoint.com/sites/YourSite/Lists/WinderLog/DispForm.aspx?ID=', string(ID))