# Path to Eagle — Tracker & Timeline

**Version:** 1.0 (Initial Release)  
**Workbook:** Path\_to\_Eagle\_Complete\_Tracker.xlsx

A full-journey tracker for Scouts (Scout → Tenderfoot → Second Class → First Class → Star → Life → Eagle) with: - rank requirement tables, - automatic eligibility & projected Board of Review (BOR) dates, - a simplified Gantt timeline, - a print-friendly progress report, - a centralized **Profile** (feeds a header on every sheet), - a **Leadership Log** (feeds “Approved By” dropdowns for sign-offs).

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## 1) Purpose & Scope

This workbook lets a Scout (and leaders/parents) see the full path to Eagle, track requirement starts/completions, project eligibility & BOR dates, visualize progress, and capture which leader approved each requirement.

## 2) What’s Included (Sheets Overview)

**Profile**  
Scout info (Name, SID#, DOB→Age auto, Phone, Email, Unit, Council, Current Rank) and **Next 3 Steps**.  
*All other sheets pull header fields from here.*

**Leadership Log**  
Roster of approvers (Initials, Full Name, Position, Phone, Email, SID#).  
*Requirement rows use a dropdown of these Initials for “Approved By.”*

**Inputs**  
Globals for projections: Today’s Date, default BOR Buffer (days), optional merit badge pace.

**Rank Tabs:** Scout, Tenderfoot, Second Class, First Class, Star, Life, Eagle  
Condensed requirements, Start/Done dates, auto **Eligible/Auto** (for duration-gated items), and **Projected BOR (with buffer)**.

**Eagle Badges**  
14 Eagle-required + 7 elective placeholders, automatic counts, and milestone dates that feed back to the Eagle sheet.

**Overview**  
One line per rank: **Previous BOR (auto)**, **Projected BOR**, **Actual BOR**.

**Progress Report**  
Print-ready snapshot with header block, current/next rank, timeline, and **Next 3 Steps**.

**Gantt**  
Simple timeline (data bars) showing Start → Projected BOR per rank.

## 3) Quick Start (5 minutes)

1. **Profile:** fill in Scout info; DOB auto-calculates Age. Enter the **Next 3 Steps**.
2. **Leadership Log:** add approvers; keep **Initials** unique and consistent.
3. Open the current **rank tab** (e.g., Tenderfoot). Enter **Start**/**Done** dates as items are signed.
4. In **Approved By (Initials)** choose the signing leader from the dropdown.
5. Check **Overview** / **Progress Report** for projected timelines; tweak **Inputs → BOR buffer** to match your unit/district cadence.

## 4) Profile Tab (Scout-User)

**Fields:** Name · SID# · DOB · Age (auto) · Phone · Email · Unit · Council · Current Rank · **Next 3 Steps**.  
The Profile feeds the printed header across the workbook and the “Next 3 Steps” panel in **Progress Report**.

## 5) Leadership Log (Approvers)

**Columns:** Initials · Full Name · Position · Phone · Email · SID# (BSA ID).  
- Requirement sheets reference **Initials** (column A) for the approval dropdown.  
- If initials change, update them here to propagate globally.

## 6) Standard Header on Every Sheet

Each sheet prints a standardized header with **Name, SID#, Age, Phone, Unit, Council, Current Rank** pulled live from **Profile**, set to **repeat on every printed page**.

## 7) Rank Sheets (Scout → Eagle)

Each rank tab includes: - **BOR summary**: Previous BOR (auto), This Rank BOR (Actual), This Rank BOR (Projected).  
- **Requirement rows**: Start Date, Done Date, optional **duration** (e.g., 30-day or 4-week fitness streak), auto **Eligible/Auto** for duration-gated tasks, **Approved By (Initials)** dropdown, and Notes.  
- **Star / Life** add tenure (Active months), POR months, and rank-level merit badge mini-tables (6/4 and 11/7).  
- **Eagle** is summarized here; see **Eagle Badges** for the 14 required and total 21 count gates.

## 8) Eagle Badges (14 Required + 7 Electives)

* Enter completion dates; counts auto-update (required, elective, total).
* Two milestone dates auto-compute:
  + **Date All Required Completed (14)**
  + **Date 21 Badges Completed**
* These dates feed back to the Eagle tab’s milestone rows.

## 9) Overview (Rank Timeline)

A compact, single place to see each rank’s **Previous BOR (auto)**, **Projected BOR**, and **Actual BOR** (once set).

## 10) Progress Report (Printable One-Pager)

Print-friendly (portrait, fit-to-width) with: - standard header, - current / next rank, - rank timeline, - **Next 3 Steps** from Profile.

## 11) Gantt (Simple Timeline)

A visual of Start → Projected Finish (BOR) per rank with a duration **data bar** for quick scanning.

## 12) Projection Logic & Formulas

**Month-based clocks**

Eligibility = EDATE(Start, n\_months)

* Star active time (4 months), Life active time (6 months), Eagle (active as Life 6 months; leadership 6 months).

**Fixed-day streaks**

Eligibility = Start + N days

* Tenderfoot fitness plan: **30 days**.
* Second Class / First Class fitness streaks: **28 days** (4 weeks).

**Badge gates**  
- When count thresholds are met, **Gate Date = MAX(all relevant completion dates)**.

**Per-rank eligibility**

Projected Eligibility = MAX(all Eligible/Auto cells, all Done dates)  
Projected BOR (buffered) = Projected Eligibility + BufferDays

(BufferDays is set on **Inputs**—default 21.)

**Eagle projection**

Projected Eligibility (Eagle) = MAX(  
 Life active 6 mo,  
 Life leadership 6 mo,  
 Date all 14 required badges completed,  
 Date 21 badges completed,  
 Project milestones (proposal/work/report/UL conf/app)  
)  
Projected Board Date = Projected Eligibility + BufferDays

## 13) Using Approval Dropdowns

* Every requirement row has **Approved By (Initials)** with a dropdown sourced from **Leadership Log → Initials (A2:A200)**.
* If a leader isn’t listed, add them to the log; the dropdowns update automatically.

## 14) Printing & Page Layout

* The header is configured to **repeat** on every printed page.
* **Progress Report** is tuned for a one-pager.
* If your council/district needs more header fields: add them on **Profile** and extend each sheet’s header formulas.

## 15) Multi-User / Multi-Scout Setup

**Simplest:** one workbook **per Scout**  
- Duplicate Path\_to\_Eagle\_Complete\_Tracker.xlsx.  
- Use versioned filenames (e.g., Lastname\_Firstname\_PathToEagle\_v1.xlsx).

**Web / portal approach:**  
- Move data to a DB (SQLite/Postgres) to avoid concurrent-edit issues.  
- Map Profile + Leadership Log to forms/tables; generate the workbook as an export.  
- Add auth, activity/audit logs (timestamp, user, requirement, approver).

## 16) Data Protection & Youth Privacy

* Limit PII to what’s necessary; restrict access to registered leaders/guardians.
* For screenshots or demos, **redact** name, SID#, DOB, phone, email.
* Follow your council’s and organization’s youth protection policies.

## 17) Customization & Theming

* Add troop colors/crest, extra Profile fields, or local milestones.
* If inserting columns or moving blocks, confirm dependent formulas still point to the intended ranges (especially headers and approval columns).

## 18) Troubleshooting

* **Projected BOR is blank** → Enter required **Start**/**Done** dates; ensure the **previous rank BOR** is set (actual or projected).
* **Approval list empty** → Populate **Leadership Log** (Initials in column A).
* **Dates render as numbers** → Format as **Date** (yyyy-mm-dd).
* **Array-style formulas not evaluating** → In older Excel, use helper cells/ranges or ensure dynamic arrays are supported.

## 19) FAQ

**Q:** Can a Scout work on multiple ranks at once?  
**A:** Requirements can be pursued in parallel, but **ranks are earned in order**. Use **Overview** to sequence BORs.

**Q:** How do we track POR across multiple roles?  
**A:** Enter the initial start date; use **Notes** for ranges. For granular tracking, add a POR Log sheet.

**Q:** Can we store counselor info with badges?  
**A:** Yes—add columns to **Eagle Badges** (Counselor Name/Phone/Email). Keep count/date formulas intact.

## 20) Change Log & Maintenance

* **v1.0** — Initial release: Profile, Leadership Log, repeating headers, rank sheets, Eagle Badges, Overview, Progress Report, Gantt.
* **v1.1** — : \_
* \_
* **v1.2** — : \_
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## 21) Repo Hints (VS Code / CI)

**Suggested tree**

/ (repo)  
├─ /docs  
│ ├─ README\_Path\_to\_Eagle.docx  
│ └─ screenshots/ (optional, with redactions)  
├─ /tooling  
│ └─ scripts/ (ETL/export/import if you web-enable)  
├─ README.md  
└─ Path\_to\_Eagle\_Complete\_Tracker.xlsx

**VS Code tips** - Add an **Excel** or **Office** extension to preview sheets quickly. - Use a **.gitattributes** rule (\*.xlsx binary) to avoid spurious diffs. - For web enablement, manage state in a DB and offer exports to this template.

**CI ideas** - Lint scripts that generate/update the workbook (schema checks). - Optional: a unit test that opens the workbook and confirms critical ranges exist (headers, validation lists, formulas not #REF!).

### Best Practices (Quick List)

* Keep one authoritative copy per Scout; version filenames.
* Enter **Actual BOR** dates promptly (they anchor tenure clocks).
* Start timed fitness items immediately; mirror them into **Next 3 Steps**.
* Standardize leader **Initials**; avoid duplicates.
* Before printing, sanity-check **Progress Report** and header.

**Questions / improvements?** Open an issue or PR with examples (redacted).