# Inspection Route Audit Worksheet

*Audit active inspection routes, code missed work, and verify the findings pipeline before compliance numbers count.*

**Companion to:** *Fix the System*, Chapter 20. **Who uses it:** the maintenance manager, reliability engineer, planner, and route owner. **When to use:** at the start of the Inspection Compliance Recovery playbook, then monthly until route compliance stabilizes.

**Plant:** ________________________ **Date:** ________________________ **Reviewed by:** ________________________

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## PART 1 — Route Validity Audit

*Complete one row per active route. Answer all four validation questions. Any "No" means the route needs corrective action before its compliance numbers count.*

| Route Name / ID | All Assets Active? | Frequency Appropriate? | Duration Accurate? | Findings -> WO within 24h? | Action Required |
|---|---|---|---|---|---|
| | Yes No | Yes No | Yes No | Yes No | |
| | Yes No | Yes No | Yes No | Yes No | |
| | Yes No | Yes No | Yes No | Yes No | |
| | Yes No | Yes No | Yes No | Yes No | |
| | Yes No | Yes No | Yes No | Yes No | |
| | Yes No | Yes No | Yes No | Yes No | |
| | Yes No | Yes No | Yes No | Yes No | |
| | Yes No | Yes No | Yes No | Yes No | |

**Guidance:**

- **All Assets Active?** — Cross-check every stop against CMMS active asset list. Any decommissioned or relocated asset is a guaranteed miss. Delete it from the route immediately.
- **Frequency Appropriate?** — Does the interval match the failure mode? Lube routes: weekly or monthly based on OEM. Vibration routes: monthly or bi-monthly. Visual rounds: daily to weekly. If unknown, default to OEM recommendation until condition data exists.
- **Duration Accurate?** — Compare logged completion times over last 8 weeks against the scheduled time block. If average actual time exceeds scheduled time by more than 10%, the route is overfull.
- **Findings -> WO within 24h?** — Review last 10 findings from this route. Were WOs generated or no-action decisions documented within 24 hours? If not, the pipeline is broken.

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# PART 2 — Miss Coding Log (Last 8 Weeks)

*Pull all flagged misses from the CMMS. Assign one primary code per miss. Tally codes at the bottom.*

**Codes:**

- **IA** — Invalid asset (decommissioned, relocated, never commissioned)
- **DF** — Documentation failure (completed but not logged correctly)
- **TN** — Time not available (crew pulled, no coverage)
- **FN** — Finding logged, no action taken (route abandoned due to findings pipeline failure)
- **DS** — Deliberately skipped

| Date | Route | Miss Code | Notes / Context | Corrective Action |
|---|---|---|---|---|
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**Code Tally:**

| Code | Count | % of Total Misses |
|---|---|---|
| IA — Invalid asset | | |
| DF — Documentation failure | | |
| TN — Time not available | | |
| FN — Finding no action | | |
| DS — Deliberately skipped | | |
| **Total misses** | | 100% |

**Interpretation:**

- IA + DF together above 40%: Route management failure. Fix before any accountability conversation.
- TN above 25%: Resource coverage problem. Review labor plan and break-in frequency (see Ch18 Playbook 4).
- FN above 15%: Findings pipeline is broken. Technicians have learned that logging findings has no value.
- DS above 20%: Crew engagement or consequence gap. Investigate before attributing to supervision failure.

## PART 3 — 90-Day Compliance Tracking

*Track weekly route completion across all routes. One row per week. Calculate compliance at the bottom.*

| Week | Routes Scheduled | Routes Completed | Misses | Primary Miss Code(s) | % Compliance |
|---|---|---|---|---|---|
| Week 1 | | | | | |
| Week 2 | | | | | |
| Week 3 | | | | | |
| Week 4 | | | | | |
| Week 5 | | | | | |
| Week 6 | | | | | |
| Week 7 | | | | | |
| Week 8 | | | | | |
| Week 9 | | | | | |
| Week 10 | | | | | |
| Week 11 | | | | | |
| Week 12 | | | | | |
| Week 13 | | | | | |

**Formula:** % Compliance = Routes Completed / Routes Scheduled x 100

**Benchmarks:**

- Below 80%: Program not delivering value. Audit routes immediately.
- 80-89%: Recovering. Identify remaining top miss codes and address in sequence.
- 90-94%: Top quartile. Focus on findings pipeline quality.
- 95%+: World-class. Maintain and audit route validity annually.

## PART 4 — Findings Pipeline Audit

*For each route, verify the findings pipeline is operational. Review last 10 findings per route.*

| Route | Finding Date | | WO Generated? | | Action Taken |
|---|---|---|---|---|---|

| | | Finding Description | | Days to WO / No-Action Decision | |
|---|---|---|---|---|---|
| | | | Yes No | | |
| | | | Yes No | | |
| | | | Yes No | | |
| | | | Yes No | | |
| | | | Yes No | | |
| | | | Yes No | | |
| | | | Yes No | | |
| | | | Yes No | | |
| | | | Yes No | | |
| | | | Yes No | | |

**Findings Pipeline Summary:**

- Total findings reviewed: ________
- WOs generated within 24h: ________ (___%)
- No-action documented within 24h: ________ (___%)
- No action, no documentation: ________ (___%) • this number must be zero

**If findings without documentation exceed 0%:** Identify who owns the triage step and set a 24-hour response standard. Escalation path: planner reviews finding same day, routes to reliability engineer if no WO decision by end of shift.

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*From* Fix the System *by Ivan Getov. Companion to Chapter 20: Playbook 6 — Inspection Compliance Recovery. getov.xyz/toolkit/fix-the-system/ch20/inspection-route-audit. Free. No email required.*