

R033 / JOB TITLE GUIDE / VERSION 0.1

Flight inspection engineer

This technical specialist evaluates navigation and related CNS service performance using flight-inspection equipment and evidence. The role is different from the pilot flying the inspection aircraft, from aircraft airworthiness inspection and from a general flight-test engineer. Titles differ by organisation; the verified Philippine example is Senior CNS Flight Inspector.

Other titles to compare: CNS flight inspector, Flight inspection mission specialist. Titles alone do not establish equivalent duties.

What the role does

- Support technical verification during flight-inspection work.
- Review measurement evidence and record findings.
- Coordinate with the inspection team and service stakeholders.
- Maintain traceable technical reports within authorised procedures.

Where the work happens

Specialist aircraft mission stations, technical offices and inspection programmes; assignment and travel arrangements vary.

Employer example

Civil Aviation Authority of the Philippines • Philippines • Senior CNS Flight Inspector, position 0129

Closed vacancy historical example • Checked 2026-10-27 [EMP1]

Category	What this employer states
Essential in this source	Bachelor degree in a listed engineering discipline. One specified air-navigation technical/flight-inspection training route plus two listed equipment courses. Six years relevant air-navigation experience and two years CNS flight-inspection experience. Career Service Professional or appropriate second-level eligibility.
Other stated conditions	Senior post; do not import the adjacent pilot vacancy's flight-hour or pilot-licence requirements.

One employer and role, not worldwide eligibility. Closed or undated examples do not establish current hiring.

Desirable requirements are not separately classified here; do not infer that none apply.

PREPARE AND VERIFY

Separate requirements from preparation

Philippines - named recruitment standard: The employer bulletin sets qualifications for position 0129. It does not establish a worldwide personal flight-inspection-engineer licence; the adjacent pilot position has separate requirements. [EMP1]

United States - role boundary: FAA describes mission specialists as technical crewmembers working with flight-inspection equipment. This does not make their duties interchangeable with those of inspection pilots. [REG1]

Still to verify: One employer qualification example is verified. Full Philippine operational-authorisation rules and equivalent junior routes remain outside this limited review.

Explore a realistic entry route

- Start by clarifying the career you mean. CNS signal inspection, aircraft inspection and flight testing are not synonyms, even when a search result uses similar words. Match the role to its service and equipment, then compare the actual employer criteria.

- Investigate electronics, engineering or relevant technical education alongside the target organisation's specialist pathway. The Philippine example is a senior appointment and is not an appropriate universal checklist for someone's first aviation job.
- Map academic study, equipment knowledge, inspection-specific training and supervised competence as separate evidence categories. Ask which prior training transfers and which local assessment is still required; a course title alone does not answer that question.
- Before committing to a programme, verify whether it prepares people for piloting or for the technical mission role. Avoid providers claiming that one short certificate qualifies you to perform both functions worldwide.

Build evidence of your skills

- Create a fictional measurement report with an objective, data source, units, uncertainty and conclusion. Include a clear statement of what the evidence cannot establish. Use invented values, not real navigation-aid acceptance limits or operational calculations.
- Practise a handover between two members of a classroom project: what has been checked, what is outstanding, and who has authority to decide next steps. The exercise should demonstrate clarity, not simulate a real inspection approval.
- Make a vocabulary comparison of flight inspection, calibration, aircraft maintenance and flight testing using public sources. Keep separate columns for the object being assessed and the personnel involved.

Prepare for an interview

Reflection prompts only, not questions claimed to be used by an employer.

- Prepare a real example of accurate technical recording or investigating inconsistent measurements. Explain when you sought review rather than adjusting results to fit expectations.
- Ask about initial mission training, supervised duties, equipment scope, continuing competence and travel arrangements. Do not claim flight-inspection authority or pilot privileges you do not hold.

Investigate possible next roles

Potential adjacent directions include CNS technical assurance, inspection programme coordination or specialist instruction. Piloting requires its own route; technical inspection experience does not automatically confer flight-crew credentials.

Sources and scope

[EMP1] [Civil Aviation Authority of the Philippines Senior CNS Flight Inspector, position 0129](#)

Closed vacancy historical example. Philippines. Checked 2026-10-27.

[REG1] [Federal Aviation Administration Flight Program Operations - Mission Specialists](#)

Specific mission-specialist description distinguishes airborne technical inspection from piloting. Role explanation only; not the Philippine qualification standard or a universal licence. Checked 2026-10-27.

Educational requirements guide, not operational instructions, professional approval or an employment guarantee. Verify current requirements with the relevant authority and employer. Examples are selective and date-specific. Check the full current vacancy and competent authority before choosing paid training or assessing eligibility. No personal medical, nationality or immigration assessment is made here. No job guarantee.