



Република Северна Македонија

Republic of North Macedonia

Влада на Република Северна Македонија

Government of the Republic of North Macedonia

Комитет за истрага на воздухопловни несреќи и сериозни инциденти

Committee for investigation of aircraft incidents and serious accidents



Internship Report

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Intern – Air Crash Incident and Accident Investigation

Civil Aviation Accident and Incident Investigation Committee (KINSIV)

Period: 01.07.2025 – 01.08.2025



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Table of contents

1. Introduction	3
2. Main Duties and Responsibilities	3
3. Institutional Engagements & Field Visits	4
4. Key Takeaways	4
5. Conclusion	5



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1. Introduction

As an Aerospace Engineering student at the Warsaw University of Technology, specializing in flight safety and aircraft systems, I had the opportunity to complete a one-month internship at the **Civil Aviation Accident and Incident Investigation Committee of the Republic of North Macedonia (KINSIV)**.

The internship was designed to bridge theoretical academic knowledge with hands-on practical experience in air crash investigation, accident response coordination, and aviation safety governance. Working with KINSIV allowed me to gain invaluable insight into real-world aviation safety procedures and multi-institutional cooperation.

2. Main Duties and Responsibilities

Throughout the internship, I was actively involved in:

- **Studying ICAO Annex 13** and national procedures related to civil aviation accident and incident investigation.
- **Supporting case documentation**, timeline reconstruction, and report formatting.
- **Reviewing historical air incident reports** for procedural benchmarking and lessons-learned integration.
- **Assisting in technical briefings**, coordination meetings, and internal analysis discussions.
- **Participating in crisis and emergency simulations** across agencies.



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3. Institutional Engagements & Field Visits

KINSIV enabled me to participate in technical visits and working meetings with key national authorities in aviation and emergency management:

- **Ministry of Interior (MoI):**
Observed coordination procedures for first responders during air crash events and reviewed on-site security and documentation protocols.
- **Center for Crisis Management (CUK):**
Engaged in cross-sector crisis simulation exercises and emergency planning for aviation-related events.
- **M-NAV – Air Navigation Service Provider:**
Visited air traffic control centers, studied radar log analysis, and reviewed procedures for handing over flight data to investigative authorities.
- **Civil Aviation Agency (CAA):**
Participated in regulatory compliance discussions and post-accident reporting follow-ups concerning aircraft operations and operator certification.
- **Ministry of Finance – Insurance Division:**
Gained insight into the financial aftermath of aviation incidents, including insurance liability management and damage assessment.
- **Skopje International Airport – TAV Macedonia:**
Accompanied KINSIV officials on site tours and reviewed airport incident protocols, including ARFF coordination, terminal evacuation routes, and flight disruption procedures.

4. Key Takeaways



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- Strengthened my knowledge in **accident causality models**, such as HFACS and the SHELL framework.
- Developed a deeper understanding of **Flight Data Recorder (FDR) and Cockpit Voice Recorder (CVR)** analysis workflows.
- Witnessed firsthand the importance of **cross-agency communication** and seamless crisis response.
- Enhanced my understanding of **technical and regulatory interfaces** between investigative bodies, regulatory agencies, and infrastructure operators.
- Gained strong appreciation for the ethical, transparent, and safety-centered approach of civil aviation investigation.

5. Conclusion

This internship provided an exceptional opportunity to integrate my academic knowledge in aerospace systems with real-world investigation procedures and inter-agency aviation safety practices.

I am deeply grateful to KINSIV and all involved institutions for their support, mentorship, and professionalism. This experience has not only reinforced my commitment to aviation safety but has also shaped my career path toward aeronautical risk management and public service.

MSc. Marjan Prposki

**President of the Committee for investigation
of aircraft incidents and serious accidents**