Indonesia National Air Carriers Association

Internal Safety Investigation

Organized by Indonesia Air Carriers Association (INACA)

Training Guidance

Course Code: INACA-SIT/06
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Internal Safety Investigation

No matter what the transport mode is, accidents always reduce the public's confidence in the safety of the transport system. Accidents can lead to injury or death and can cause environmental and economic damage.

Investigation into causes of accidents or incidents and the resulting recommendations will help to prevent these events from re-occurring and play an important role in improving transport safety.

Recognizing the importance of accident and incident investigation in civil aviation, Indonesia National Air Carriers Association (INACA) Aviation Safety Training Team has designed an Internal Safety Investigation Training.

This Internal Safety Investigation Training provided for persons who have to perform or concern an investigation related to safety issue within the organization.

An investigation is a methodical, systematic, unemotional undertaking to collect and interpret information about an event, to establish the extent of an injury or loss, why it happened, and to analyze the processes involved to minimize the risk or prevent a recurrence.

The investigation will normally result in the preparation of a logical, sequential report of the events with recommended preventive strategies.

The achievement of successful outcomes could rest on the properly planned and managed internal incident investigation program.

Agus Nugraha Sardjani S.Pd MM
INACA Aviation Safety Training Coordinator

Indonesia National Air Carriers Association

Sekilas tentang Indonesia Air Carriers Association (INACA)

Indonesia National Air Carriers Association atau INACA merupakan sebuah Asosiasi Perusahaan Penerbangan Nasional Indonesia yang didirikan oleh para pengusaha perusahaan penerbangan pada tanggal 15 Oktober 1970.

INACA berfungsi sebagai wadah persatuan antara perusahaan -perusahaan angkutan udara dan kegiatan-kegiatan penerbangan nasional lainnya yang ada di Indonesia.

INACA merupakan satu-satunya asosiasi usaha penerbangan nasional di Indonesia yang diakui sebagai mitra pemerintah. Hal ini tertulis dalam Keputusan Menteri Perhubungan No: KP 5/AU 701/PHB-89 pada tanggal 23 November 1989. Pada Rapat Umum Anggota (RUA) yang diselenggarakan pada tanggal 11-12 Juni 2010 di Bandung.

Indonesia Air Charter Association (IACA) telah bergabung dengan INACA. Hingga saat ini jumlah anggotanya terdiri dari 17 Perusahaan Angkutan Udara Niaga Berjadwal serta 22 Perusahaan Angkutan Udara Niaga Tidak Berjadwal.

Saat ini posisi Ketua Umum INACA dijabat oleh Denon Prawira Atmaja. Selain sebagai Ketua Umum INACA, Denon Prawiraatmaja juga sebagai Presiden Direktur White Sky Aviation.

Sementara Sekretaris Jenderal INACA, Bayu Sutanto (Trans Nusa Aviation Mandiri); Ketua Penerbangan Berjadwal, Wuri Septiawan (AirAsia Indonesia); Ketua Penerbangan Tidak Berjadwal, Arif Wibowo (AirFast Indonesia); Ketua Penerbangan Kargo, Muhammad Ridwan (My Indo Airlines).

Dengan adanya formasi baru ini, Menteri Perhubungan Republik Indonesia sesuai dengan amanat Presiden Joko Widodo agar mendorong Asosiasi Perusahaan Penerbangan Nasional Indonesia atau Indonesia National Air Carriers Association (INACA) untuk mendukung pembentukan lima destinasi wisata Bali yang baru, yaitu: Danau Toba, Borobudur, Mandalika, Likupang, dan Labuan Bajo.

1. Course Overview

This practical course (workshop) is about internal safety investigations that are conducted by service providers as part of their Safety Management System to support hazard identification and risk assessment processes.

Service provider internal safety investigations are an integral part of the service provider's Safety Management System. Service provider internal investigations of safety occurrences and hazards are an essential activity of the overall risk management process in aviation.

During the 3 days course, the participants will learn how to conduct an internal safety investigation, in accordance with ICAO Annex 19 and CASR Part 19 Standards.

2. Detailed Course Contents and Topics:

- Assigning an investigator
- Data collection
- Interview of personnel (witness)
- Scenario reconstruction
- Data analysis
- Root cause analysis
- Hazard identification and risk assessment (basic overview)
- Determination of risk control options
- Elaboration of final report
- Communication of results

3. Course Learning Objectives

- What is an internal safety investigation?
- When it shall be performed (triggers)
- How to assign an investigator
- How to perform data analysis
- How to interview personnel (witness)
- How to perform data analysis & Root cause analysis
- Determination of risk control options
- Principles of elaboration of the final report

Training Schedule and Plan Activities		
Day I	08.00 – 08.15	▪ Course Overview
	08.15 – 10.00	▪ Conducting Internal Safety Investigation Part I
		Coffee Break
	10.15 – 12.00	▪ Conducting Internal Safety Investigation Part II
		Lunch Time
	13.00 – 14.30	▪ Event-risk-based analysis
		Coffee Break
	14.45 – 16.30	▪ Data Collection
Day II	08.00 – 09.00	▪ Interviewing technique
	09.00 – 10.00	▪ Developing sequence of event
		Coffee Break
	10.15 – 12.00	▪ Root cause analysis part I
		Lunch Time
	13.00 – 14.30	▪ Root cause analysis part II
		Coffee Break
	14.45 – 16.00	▪ Developing risk control options with identification and risk assessment
Day III	08.00 – 10.00	▪ Elaboration of report
		Coffee Break
	10.15 – 12.00	▪ Elaboration of report
		Lunch Time
	13.00 – 15.00	▪ Communication of results
		Coffee Break
	15.00 – 16.00	▪ Course Review and closing

Capt. Prita Widjaja

Graduated from Nationwide Aerospace Academy, Cessnock, NSW, Australia in 1979 then joined Garuda Indonesia since 1980. Flight experiences: Mc Donnel Douglas DC9-32, DC10-30, Boeing B737-300/400/500, B737-800 and currently the Airbus A330200/300.

Promoted as Captain in 1990, appointed as Training Captain in 1992, and in 1996 as Flight Instructor and Check Airman until to date. In 1999 he received Developing CRM Training Program Course in SCSI - Los Angeles and in 2000 he was appointed as CRM Facilitator. He also involved in various Aviation Safety Training as a trainer since 2003.

Appointed as Safety Investigator with AAIC in 1997 (today KNKT) and has been involved in many investigations as IIC. Received Human Factors (HF) for Transport Safety Investigator in BASI, Canberra in 1998, Basic Aircraft Accident Investigation from EU in Jakarta, 2001, and Aircraft Accident Investigator Course in IFSA, Paris 2002. He became member of The International Society of Air Safety Investigators (ISASI) since 2003 until to date.

Capt. Prita has held various management positions in Garuda Indonesia as Deputy Technical Pilot from 1997-2000, Manager Training Development from 2000-2004, and Manager Human Factors from 2007-2016.

Agus Nugraha Sardjani S.Pd MM

Over 48 years of diverse aviation experience that includes 13.800 flight hours as Commercial Airline Flight Engineer, Safety Auditor, Safety Analyst, Ground Instructor, Flight Simulator Instructor, Company Check Flight Engineer and Aircraft Technician.

Extensive practical application in developing, implementing and administrating aviation safety training program at Indonesia National Air Carriers Association (INACA) since year 2012.

Working Experiences:

1974-2007 - Garuda Indonesia

2007-2008 - Safety Manager, Adam Air

2008-2009 - Safety Director, Megantara Air

2009-2011 - Safety and Quality, Manager Indo Aero Semesta

2010-2013 – Safety and Security, Manager Dimonim Air

2014-2019 - Head of Pilot School, Aero Flyer Institute

Currently as Quality and Safety Manager at Wise Air Charter

Indonesia National Air Carriers Association

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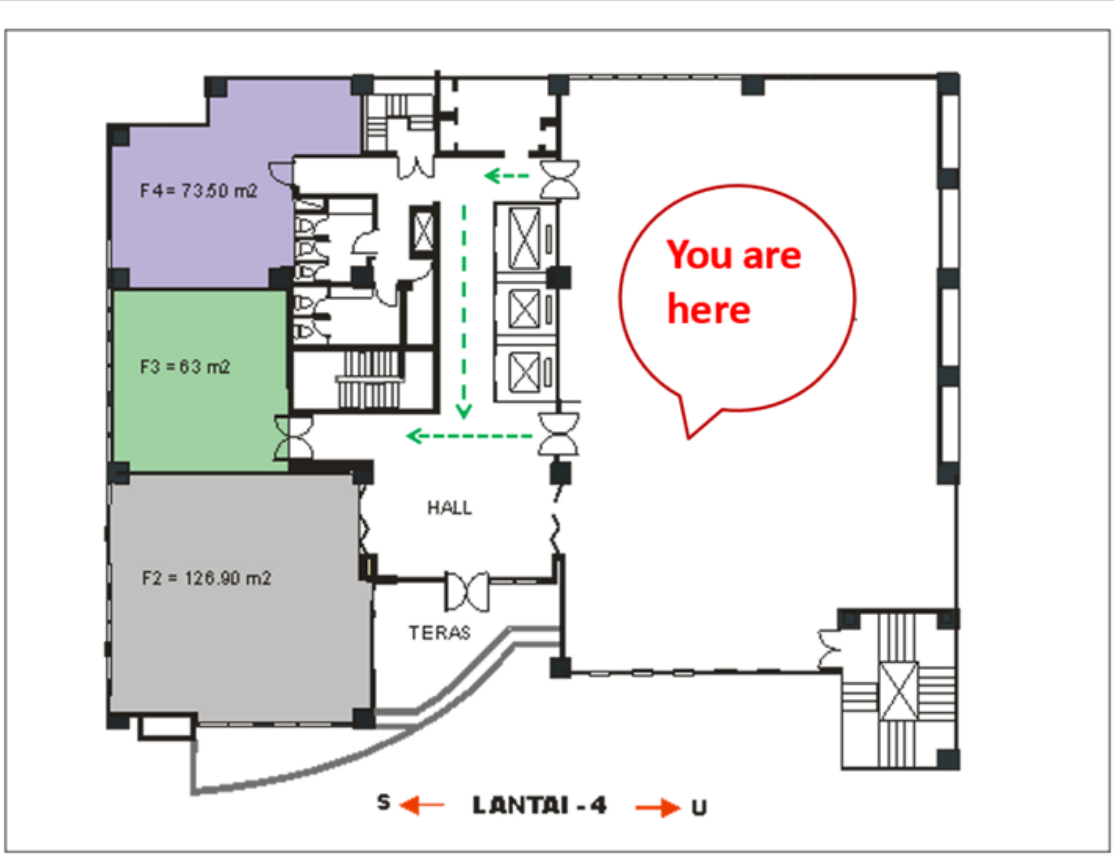
At Parking Area



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Organized by INACA Aviation Safety Training