



# National Runway Safety Plan

2025-2027

# Background of National Runway Safety Plan (NRS Plan)

The National Runway Safety Programme (NRSP) establishes Thailand's strategic and policy framework for the enhancement of runway safety across all certified public aerodromes. It actively promotes comprehensive stakeholder collaboration and delineates risk-based methodologies designed to mitigate runway incursions, excursions, and other safety-related occurrences.

In support of this overarching NRSP, the National Runway Safety Plan (NRS Plan) specifies the operational actions and corresponding timelines required to implement the objectives outlined in the NRSP. This plan is fully aligned with Thailand's State Safety Programme (SSP) and the International Civil Aviation Organization (ICAO) Global Runway Safety Action Plan (GRSAP).



Progress toward these objectives is systematically monitored through the Safety Performance Targets (SPTs) and Safety Performance Indicators (SPIs), which are precisely defined within the Thailand Aviation Safety Action Plan (TASAP). This structured monitoring ensures coordinated efforts and fosters a commitment to continuous safety improvement within Thailand's aviation sector.

# Types of the National Runway Safety Plan



## **Generic Plan**

The Generic Mitigation Plan establishes standardized safety measures that all relevant operators, such as airport operators, air traffic services providers, and airlines are expected to implement consistently. These general measures aim to ensure a uniform level of runway safety across the national aviation system, with all stakeholders adhering to the same procedures and timelines to maintain cohesive runway safety standards nationwide.

## **Specific Plan**

The Specific Mitigation Plan focuses on tailored safety measures required by individual entities, such as specific airports, air traffic services providers, or airlines to address localized issues or unique operational challenges. These customized plans are essential to the overall national runway safety strategy, as they address particular safety concerns that may impact both national and international flight operations.

# Activity Category Codes and Definitions

**RI** : Runway Incursion  
**RE** : Runway Excursion  
**ARC** : Abnormal Runway Contact  
**GCOL** : Ground Collision  
**LOC-G**: Loss of Control on Ground  
**CTOL** : Collision with Obstacle(s)  
**USOS** : Undershoot / Overshoot  
**ADRM** : Aerodrome

**RS01:** Strengthening of Local Runway Safety Teams (LRSTs) and Safety Promotion

**RS02:** Enhancement of Runway Safety Data Collection and Analysis

**RS03:** Improvement of Runway Infrastructure Design and Condition



## GENERIC PLAN (GNR)

No.		Activities	Purpose	Target Date	Leader* & Stakeholders
GNR-RE	RE-01	Conduct post implementation of Global Reporting Format (GRF) to identify difficulties and improvement	Enhance implementation of GRF	June 2026	CAAT/AGA*, CAAT/OPS, Aerodrome Operators, ATSPs and Air Operators
	RE-02	Develop Safety Promotion regarding the lesson learnt from past runway excursion cases	Reduce the rate of actual Runway Excursions (RE)	December 2026	CAAT/AGA, CAAT/ANS, CAAT/OPS and CAAT/SMO
GNR-RI	RI-01	Develop Safety Promotion regarding the lesson learnt from past runway incursion cases	Reduce the rate of actual Runway Incursions (RI)	December 2026	CAAT/AGA, CAAT/ANS, CAAT/OPS and CAAT/SMO
GNR-RS01	RS01-01	Develop and publish a national guideline to define, classify, and provide examples of runway safety events (e.g. RI, RE, confusion, veer-off) based on ICAO taxonomy	Improve understanding and reporting consistency of runway safety events	December 2026	National Runway Safety Subcommittee*
	RS01-02	Develop local phraseology guidelines for airside drivers and air traffic controllers in Public Aerodrome	Enhance communication safety between airside drivers and air traffic controllers	March 2026	CAAT/AGA*, CAAT/ANS, ATSPs and Aerodrome Operators
	RS01-03	Conduct workshop regarding local phraseology airside drivers and air traffic controllers in Public Aerodrome		June 2026	CAAT/AGA*, CAAT/ANS and Aerodrome Operators
	RS01-04	Establish Local Runway Safety Teams (LRSTs) at all certified Public Aerodromes	Reduce rate of runway safety occurrences	December 2025	Aerodrome Operators* and CAAT/AGA
	RS01-05	Review and revise the Local Runway Safety Team Handbook	Strengthen runway safety management at the aerodrome level	August 2026	CAAT/AGA*, National Runway Safety Subcommittee
	RS01-06	All certified Public Aerodromes to develop and maintain a Local Runway Safety Programme and Plan in alignment with the National Runway Safety Programme (NRSP)	Strengthen runway safety management at the aerodrome level	December 2026	Aerodrome Operators, CAAT/AGA and National Runway Safety Subcommittee

## GENERIC PLAN (GNR)

No.		Activities	Purpose	Target Date	Leader* & Stakeholders
GNR-RS02	RS02-01	Develop a national dashboard for monitoring trends of runway-related events and analyzing contributing factors	Improve safety data collection and analysis	August 2027	CAAT/SMO*
	RS02-02	Develop assessment index for the Runway Safety Maturity Checklist	To reduce the rate and severity of runway excursions and incursions	June 2026	CAAT/AGA*, CAAT/OPS, CAAT/ANS, Aerodrome Operators, ATSPs, Air Operators and National Runway Safety Subcommittee
GNR-RS03	RS03-01	Develop Guidance Material on Aerodrome Works Safety	Improve runway infrastructure and operational planning	October 2025	CAAT/AGA*

