Agenda

1. Safety objectives for Singapore

2. Risks in our aviation system

3. CAAS' safety priorities and initiatives

Safety objectives for Singapore

Safety objectives for Singapore

1. Mitigate aviation safety risks, with the aim of achieving no fatal accidents

2. Enhance safety management capabilities of the Singapore aviation industry and State agencies, to continuously improve safety performance and risk mitigation

3. Develop progressive and robust aviation safety regulatory and investigative regimes, taking into account and balancing stakeholder needs

4. Contribute and collaborate effectively in international and regional fora to enhance safety

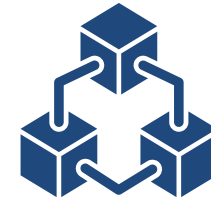SINGAPORE STATE SAFETY PROGRAMME
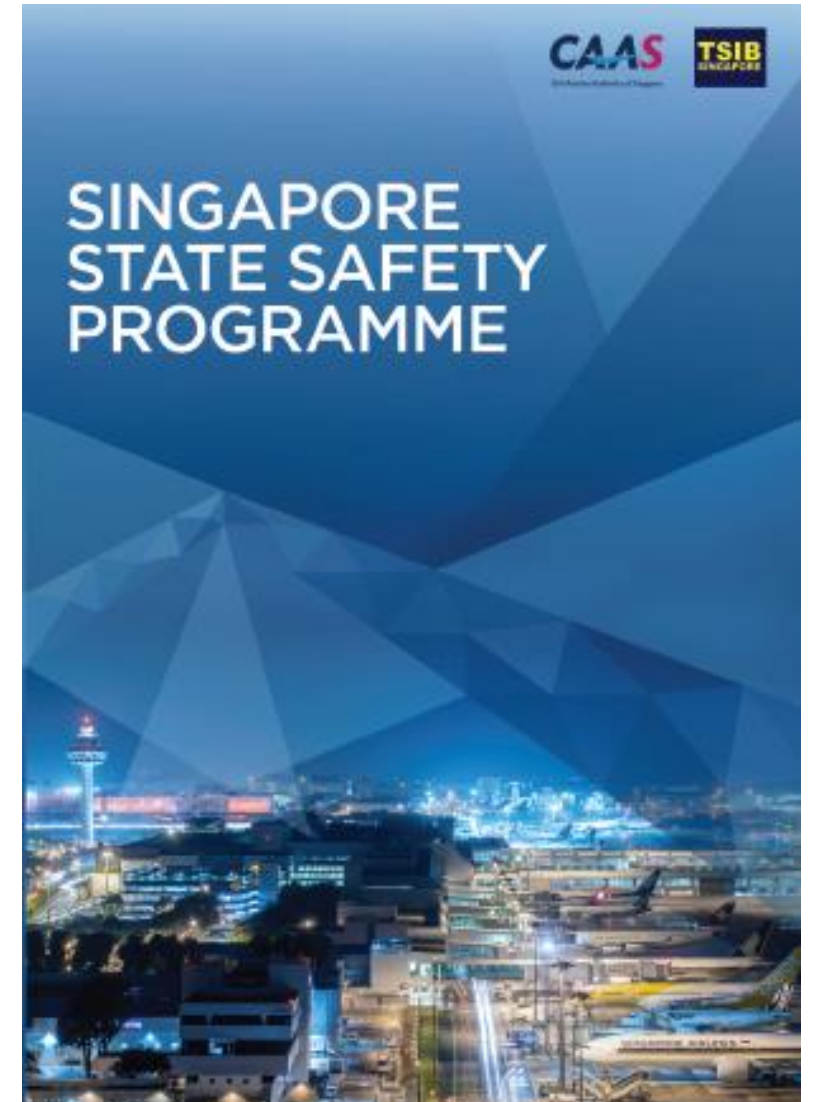
Risks in our aviation system

Globally identified operational risks exist in our environment
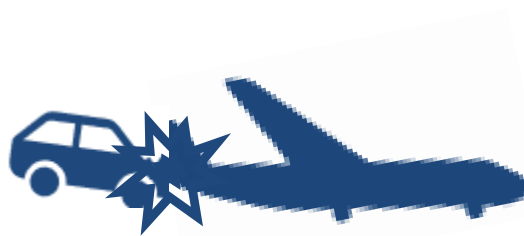
Runway incursion and excursion

Mid-air collision

Systems component failure

Loss of control in-flight

Ground occurrence

Controlled flight into terrain

Safety risks were identified early on in the pandemic

Aircraft airworthiness

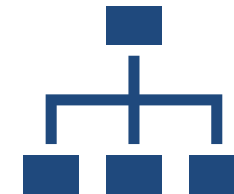**Personnel proficiency**

Low-level activity

Familiarity with new operations, processes and environment

Aerodrome, ANS system and ground handling equipment

Organisational focus on safety

CAAS' safety priorities and initiatives

CAAS' safety priorities

Emerging stronger

1) Ensuring safe ramp-up of operations to support air travel recovery

2) Strengthening safety management and safety oversight systems

3) Strengthening regulatory regime to ensure it remains progressive and robust

4) Deepening international engagements

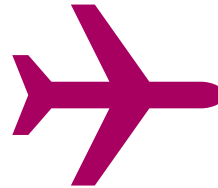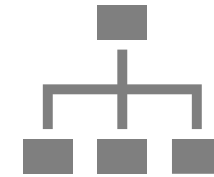| Ensure safe ramp-up of operations to support air travel recovery | Strengthen safety management & safety oversight systems | Strengthen regulatory regime | Deepen international engagements |

Focus safety oversight activities and surveillance on the following areas:

Personnel Competency

Infrastructure and equipment

Organisations' focus on safety

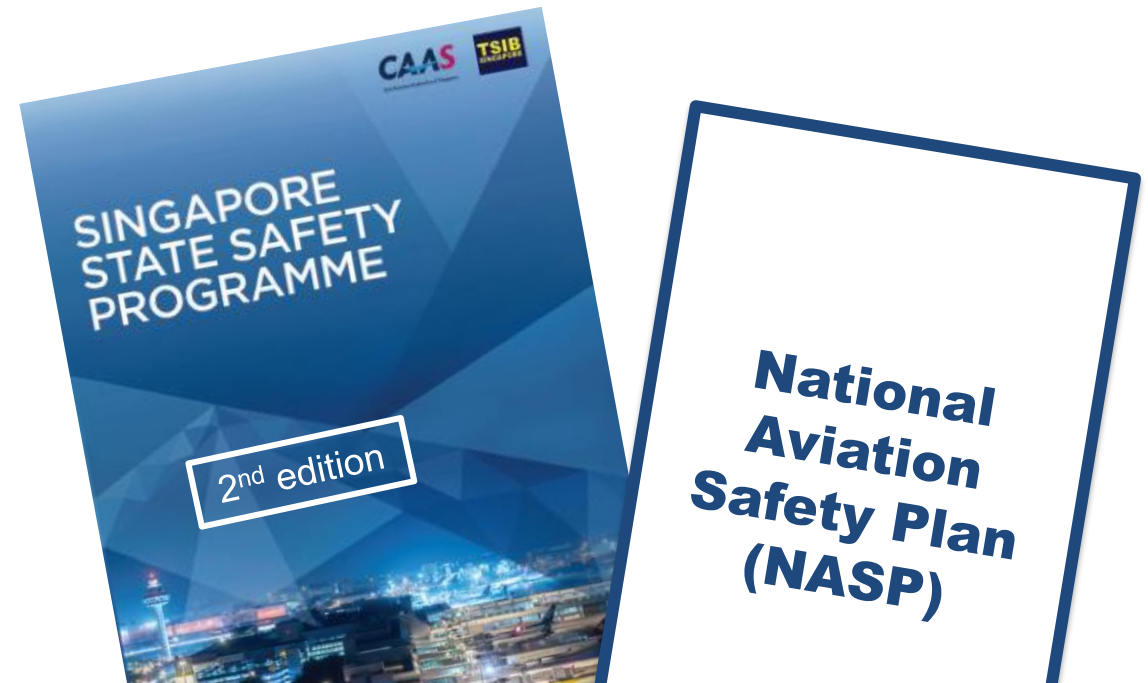| Ensure safe ramp-up of operations to support air travel recovery	**Strengthen safety management & safety oversight systems**	Strengthen regulatory regime	Deepen international engagements

ICAO Universal Safety Oversight Audit Programme (USOAP) audit *(18 – 25 April 2022)*

State Safety Programme Implementation Assessment (SSPIA) (Phase 2) *(4 – 14 April 2022)*

Publication of the 2nd edition of Singapore's State Safety Programme (SSP) Document and the National Aviation Safety Plan (NASP)

| Ensure safe ramp-up of operations to support air travel recovery | **Strengthen safety management & safety oversight systems** | Strengthen regulatory regime | Deepen international engagements |

Work with industry to strengthen early risk identification and take proactive mitigating actions

| Safety management | Safety reporting and sharing | Risk assessment | Safety improvement |

CAAS

Ensure safe ramp-up of operations to support air travel recovery	**Strengthen safety management & safety oversight systems**	Strengthen regulatory regime	Deepen international engagements

- Foster a more positive safety culture, in which each person fully internalises a safety mindset
- Encourage reporting and sharing of safety events, and self-disclosure of safety errors

Safety culture survey

Soaring Safely Together

Charter for a Strong and Positive Safety Culture in Singapore

Safety culture Charter

Safety Culture Handbook

Written by: CAAS and the industry

Safety culture handbook (with industry)
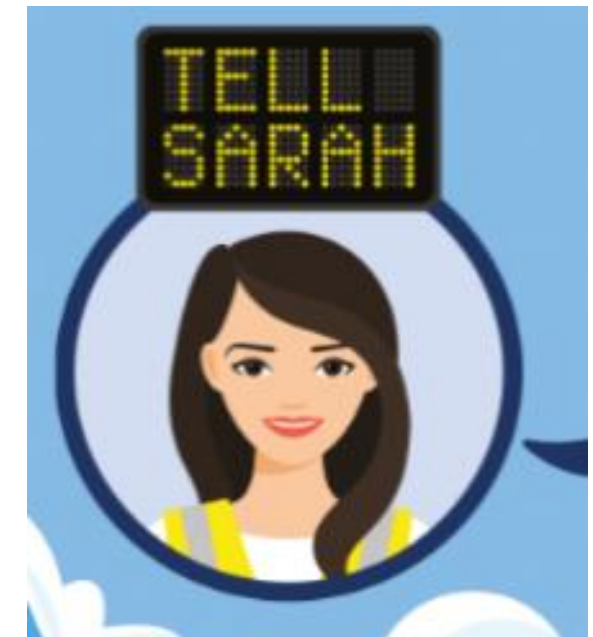
Voluntary safety reporting system

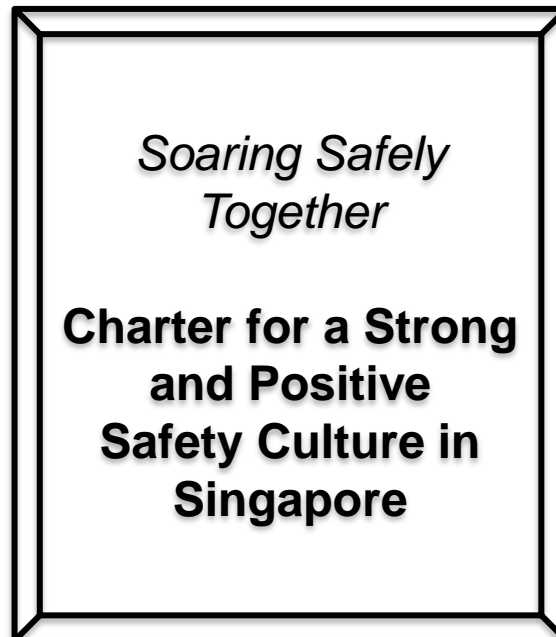| Ensure safe ramp-up of operations to support air travel recovery | **Strengthen safety management & safety oversight systems** | Strengthen regulatory regime | Deepen international engagements |

Safety promotion efforts, with focus on safety culture, to complement regulation and surveillance

Regular industry engagement platforms (e.g. CAAS Safety Series, ASF, dialogues and meetings)

Enhance outreach channels to offer more frequent, bite-sized content

Emerging Stronger

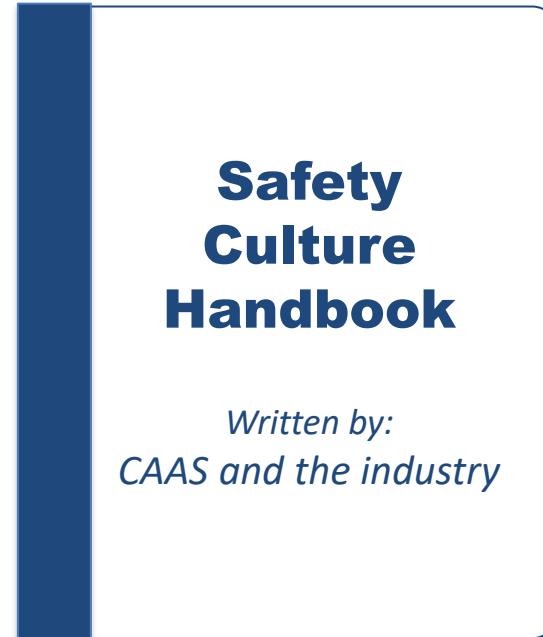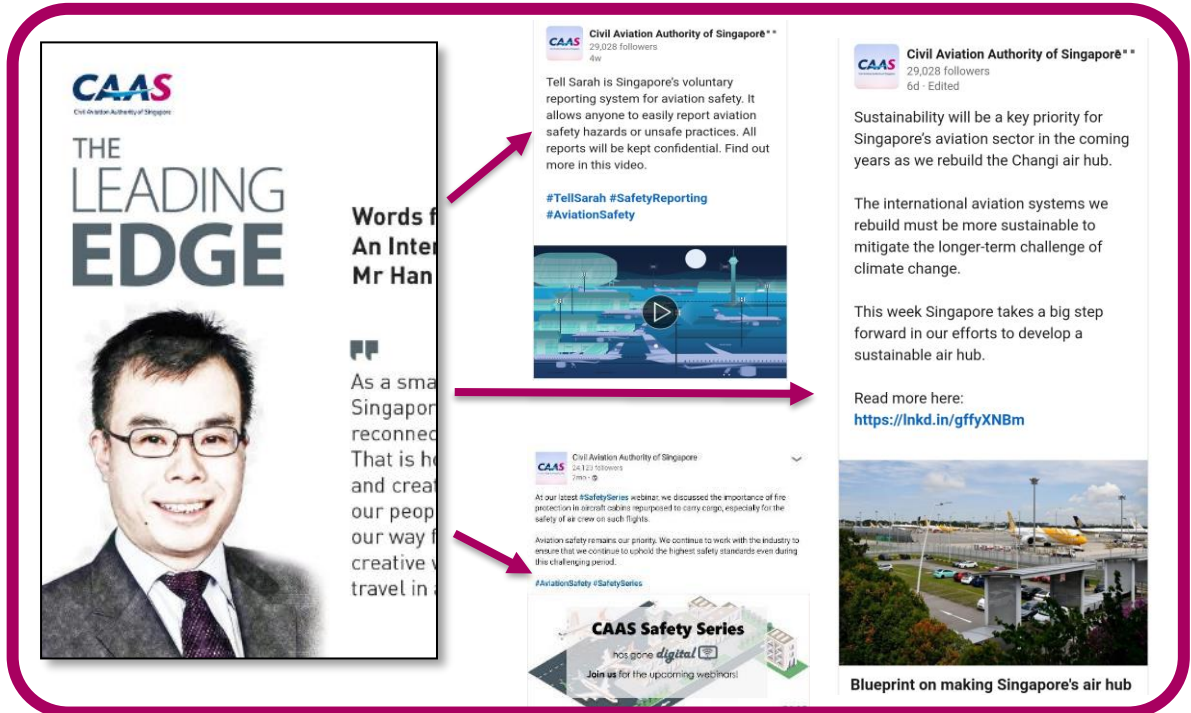| Ensure safe ramp-up of operations to support air travel recovery	Strengthen safety management & safety oversight systems	**Strengthen regulatory regime**	Deepen international engagements

Modernisation of Air Navigation Regulations

Legend: Promulgated | To be promulgated this year | To be developed

Promulgated	Promulgated	To be promulgated this year	To be developed	To be developed	To be developed
ANR-91: General Operating Rules	ANR-98: Special Operations	MOS-172: Air Traffic Services	ANR-42: Continuing Airworthiness Management	ANR-141: Aviation Training Organisations	ANR-97: Rules of the Air
ANR-125: Complex General Aviation Rules	ANR-101: General Requirement for UAS Operations	MOS-173: Instrument Flight Procedure Design	ANR-21: Certification of Aeronautical Products & Approval of Design and Production Orgs	ANR-66: Aircraft Maintenance Personnel Licencing	ANR-77: Obstacles Height Control
ANR-119: Air Operator Certification	ANR-92: Dangerous Goods	MOS-175: Aeronautical Information Services	ANR-39: Airworthiness Directive	ANR-147: Maintenance Training Organisations	ANR-129: Foreign Air Operators
ANR-121: CAT – Large Aeroplanes	ANR-67: Medical Standards	MOS-176: Search and Rescue	ANR-145: Aircraft Maintenance Organisations	ANR-65: ATC Licencing	ANR-149: Aerodrome Rescue & Fire Fighting Training
ANR-135: CAT of Small Aeroplanes & Helicopters	MOS-170: General Requirement for ANSP	ANR-139: Aerodromes	ANR-61: Flight Crew Licencing	MOS-143: ATC Training Organisation	MOS-174: Aviation Meteorological Services
ANR-137: Aerial Work Operations	MOS-171: Aeronautical Telecommunications	ANR-47: Aircraft Registration and Marking	ANR-62: Authorised Flight Examiner	ANR-60: Flight Simulation Training Devices	ANR-1: Definitions
					ANR-TBC: Remainder of ANO

| Ensure safe ramp-up of operations to support air travel recovery | Strengthen safety management & safety oversight systems | **Strengthen regulatory regime** | Deepen international engagements |

Supporting industry growth

Keep pace with developments and technology

Upholding our robust regulatory regime

Risk-based review

Process review

Improve efficiency of regulatory services

My PEL Hub

eSOMS
Enterprise Safety Oversight Management System

ELMeRs

CAPELS
Civil Aviation Personnel Licensing System

CAAS

Ensure safe ramp-up of operations to support air travel recovery	Strengthen safety management & safety oversight systems	Strengthen regulatory regime	**Deepen international engagements**

- Strengthen safety engagements with leading civil aviation authority partners (e.g. EASA, FAA)

- Contribute to technical assistance in aviation safety capacity building

  o Safety enhancement initiatives under the Asia Pacific Regional Aviation Safety Team (APRAST)

  o Action items to implement Asia Pacific Regional Aviation Safety Plan (AP-RASP)

- Contribute to international safety discussions, such as the following forums:

  o ICAO 41st Assembly, regional bodies, panels and working groups

CAAS

YOUR SAFETY OUR PRIORITY

Tell Sarah today!

Let's do our part to keep aviation safe together.

1 Scan QR code

2 Share your report

3 Send!

THANK YOU