

Asia Pacific Safety Performance

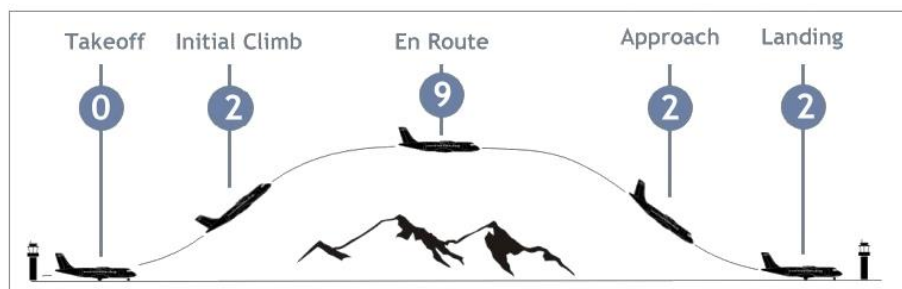
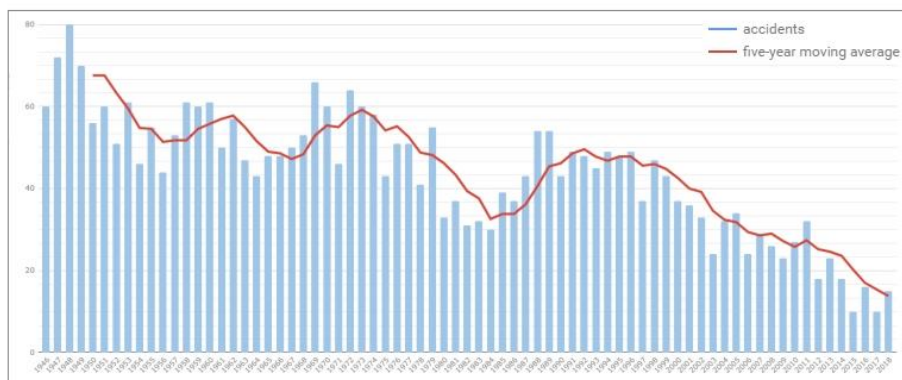
SASS 2019

2018 Safety Performance (Fatal Events - All Airlines)

Airline Accident Statistics 2018

556 fatalities

15 fatal accidents



AviationSafetyNetwork

Statistics are based on all worldwide commercial (cargo and passenger) fatal accidents involving civil aircraft with a minimum capacity of 14 passengers, from the ASN Safety Database <https://aviation-safety.net>.



 11 February  71	 18 February  66	 12 March  51	 17 April  1	 16 May  2
 18 May  112	 5 June  10	 24 June  4	 10 July  1	 4 August  20
 9 September  20	 28 September  1	 29 October  189	 9 November  1	 20 December  7

Flight Safety Foundation – Aviation Sectors

- Commercial Jet Operations
- Commercial Turboprop Operations
- Business Aviation
- Commercial Piston Engine Operations

Major Accident Definition

Any of the following:

- Aircraft destroyed or cost of repair greater than 50% of cost of aircraft
- One fatality and substantial damage
- More than one fatality

The more public side of accidents



2018 Asia Pacific Major Accidents

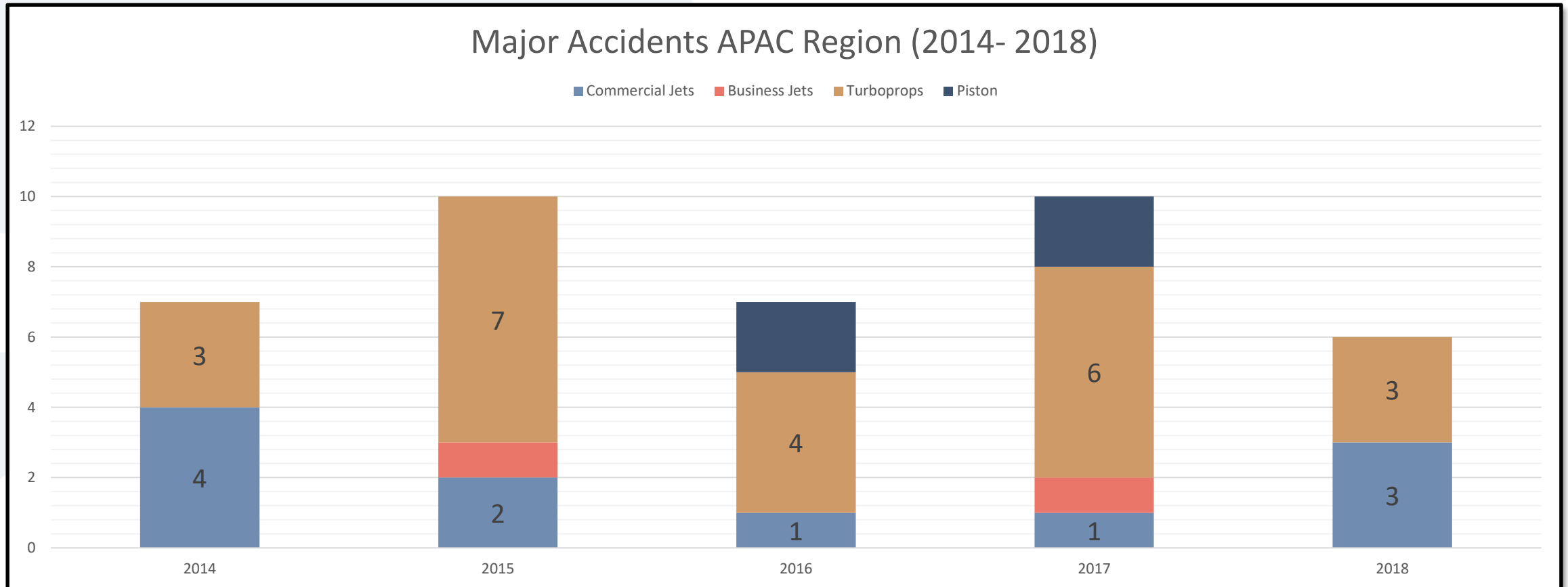
Date	Aircraft Model	MTOGW	Engine Type	Registration	Operator	Lost	Location	Country
12-Mar-18	DHC-8-402Q Dash 8	29260 Kg	turboprop	S2-AGU	US-Bangla Airlines	51	Kathmandu-Tribhuvan Airport (KTM)	Nepal
16-May-18	Cessna 208B Grand Caravan	3970 Kg	turboprop	9N-AJU	Makalu Air	2	Simikot Pass	Nepal
24-Jun-18	Let L-410UVP	6400 Kg	turboprop	unknown	Eagle Air	4	Souguéta, Kindia	Guinea
16-Aug-18	Boeing 737-85C (WL)	78240 kg	Jet	B-5498	Xiamen Airlines	0	Manila-Ninoy...	Philippines
28-Sep-18	Boeing 737-8BK (WL)	78240 Kg	Jet	P2-PXE	Air Niugini	1	Chuuk/Weno International Airport (TKK)	Micronesia
29-Oct-18	Boeing 737 MAX 8	82191 Kg	Jet	PK-LQP	Lion Air	189	Tanjung Bungin	Indonesia

International Scheduled Passenger	2
Cargo	2
Domestic Scheduled Passenger	2

Turboprop

Jet

Aviation Sectors – Asia Pacific Safety Performance



Data Source: Aviation Safety Network

FSF Major Accident Categories and Phases of Flight

	2014	2015	2016	2017	2018		5 years
Commercial Jets	4	2	1	1	3		11
Business Jets	0	1	0	1	0		2
Turboprops	3	7	4	6	3		23
Piston	0	0	2	2	0		4
							40
7	RE	Runway Excursion					
8	CFIT	Controlled Flight into Terrain					
5	LOC-I	Loss of Control - Inflight					
3	Landing	Landing Related - Short, Hard,					
2	Takeoff	Takeoff Related - hit obstruction, rudder trim					
2	Eng	Engine Related - loss of power/control					
4	UK	Unknown					

IATA Safety Performance on 2018 by Region

Jet hull loss rates by region of operator (per million departures)

Six regions showed improvement or stayed the same in 2018 compared to the previous five years (2013-2017) in terms of the jet hull loss rate.

REGION	2018	2013-2017
Africa	0	1.06

Turboprop hull loss rates by region of operator (per million departures)

The world turboprop hull loss rate was 0.60 per million flights, which was an improvement over 1.23 in 2017 and also over the 5-year rate (2013-2017) of 1.83.

REGION	2018	2013-2017
Africa	1.9	5.69

Asia Pacific

0.32

0.37

Asia Pacific

0.58

Middle East and North Africa	0.00	0.72
North America	0.1	0.22
North Asia	0.00	0.00
Industry	0.19	0.29

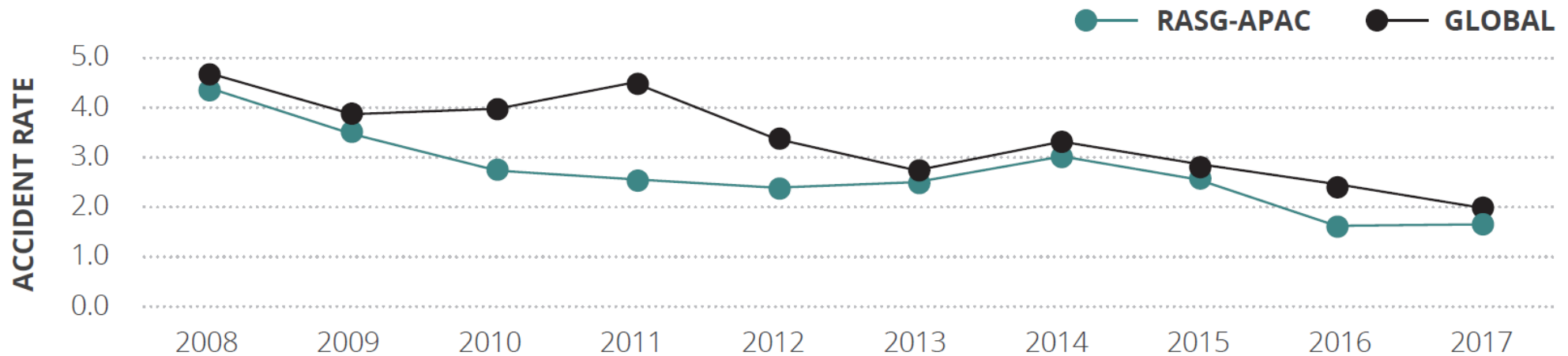
1.17

Middle East and North Africa	5.86	1.82
North America	0	0.99
North Asia	0.00	6.20
Industry	0.6	1.83

All regions except for Middle East-North Africa saw their turboprop safety performance improve in 2018 when compared to their respective 5-year rates. Accidents involving turboprop aircraft represented 24% of all accidents in 2018 and 45% of fatal accidents.

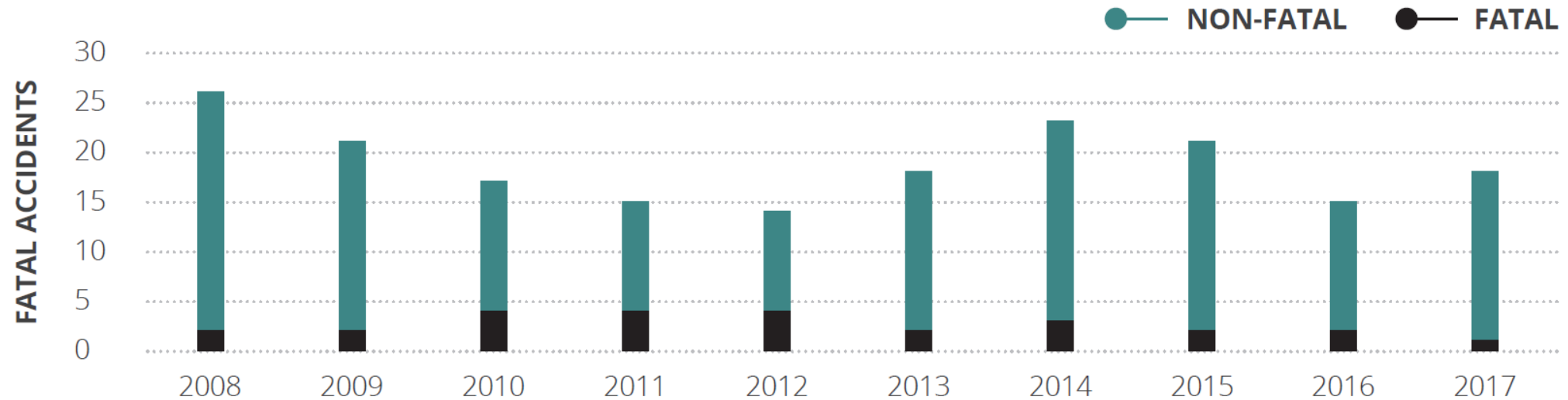
ICAO Report on APAC Accident Rate

CHART 7.1.1—GLOBAL ACCIDENT RATE VERSUS APAC ACCIDENT RATE (2008–2017)



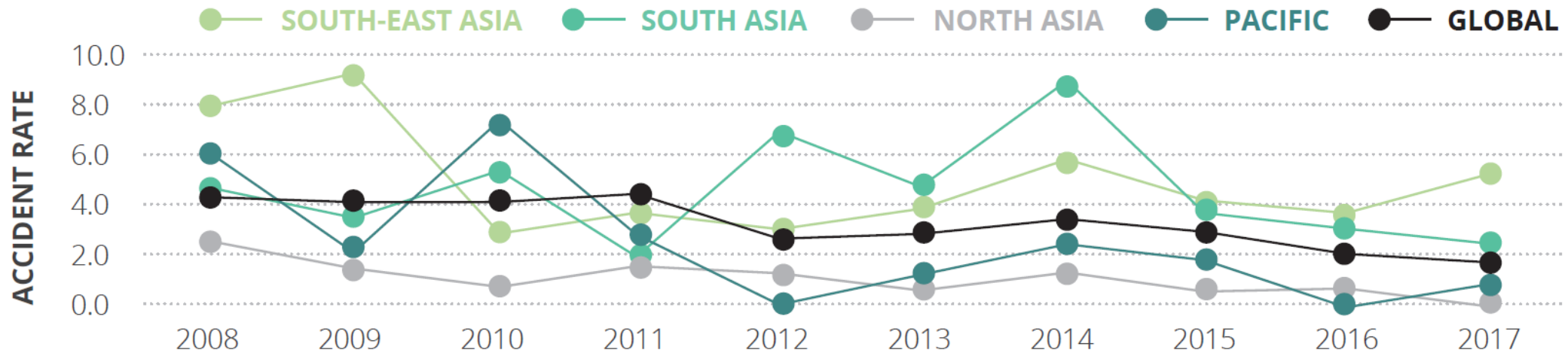
ICAO Volume of Accidents –Through 2017

CHART 7.1.3—NUMBER OF ACCIDENTS: RASG-APAC (2008-2017)



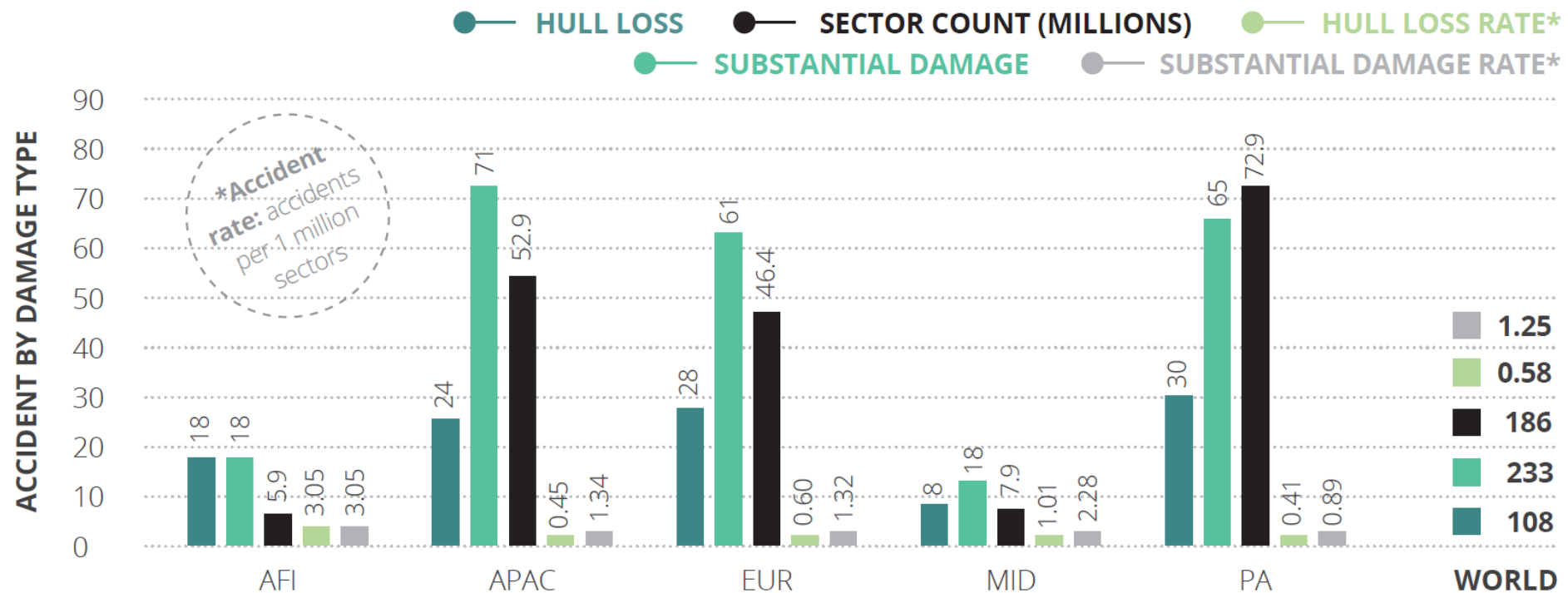
Rates of Accidents by APAC Sub Region

CHART 7.1.4—ACCIDENT RATES WITHIN APAC (BY SUB REGIONS) 2008-2017



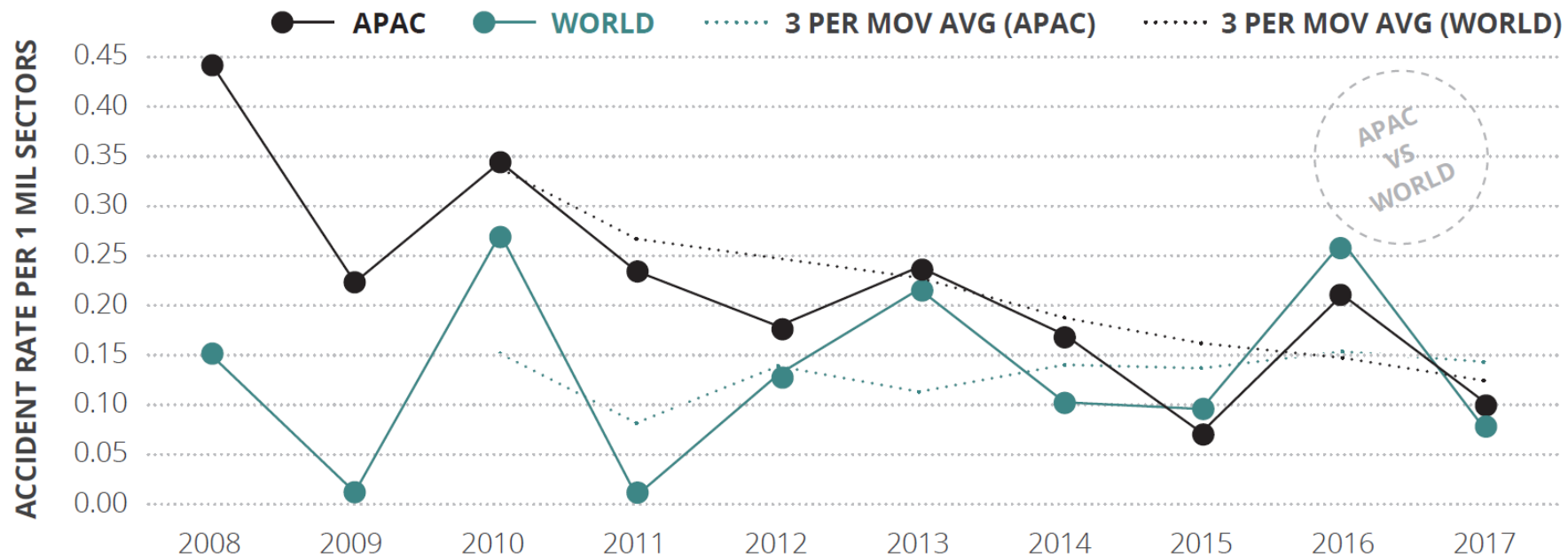
ICAO accident types – comparison by region

CHART 7.2.2—ACCIDENT TYPE FROM 2013–2017



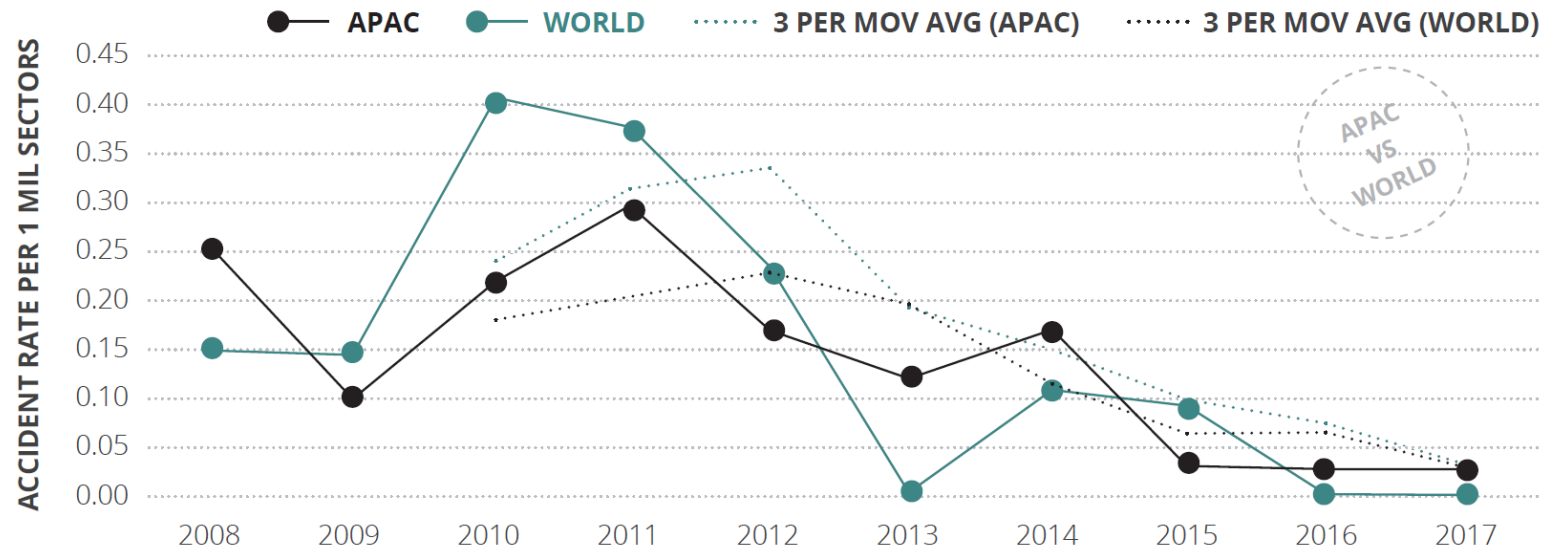
ICAO LOC History for the APAC Region

CHART 7.2.7—ANNUAL LOSS OF CONTROL-INFLIGHT ACCIDENT RATE



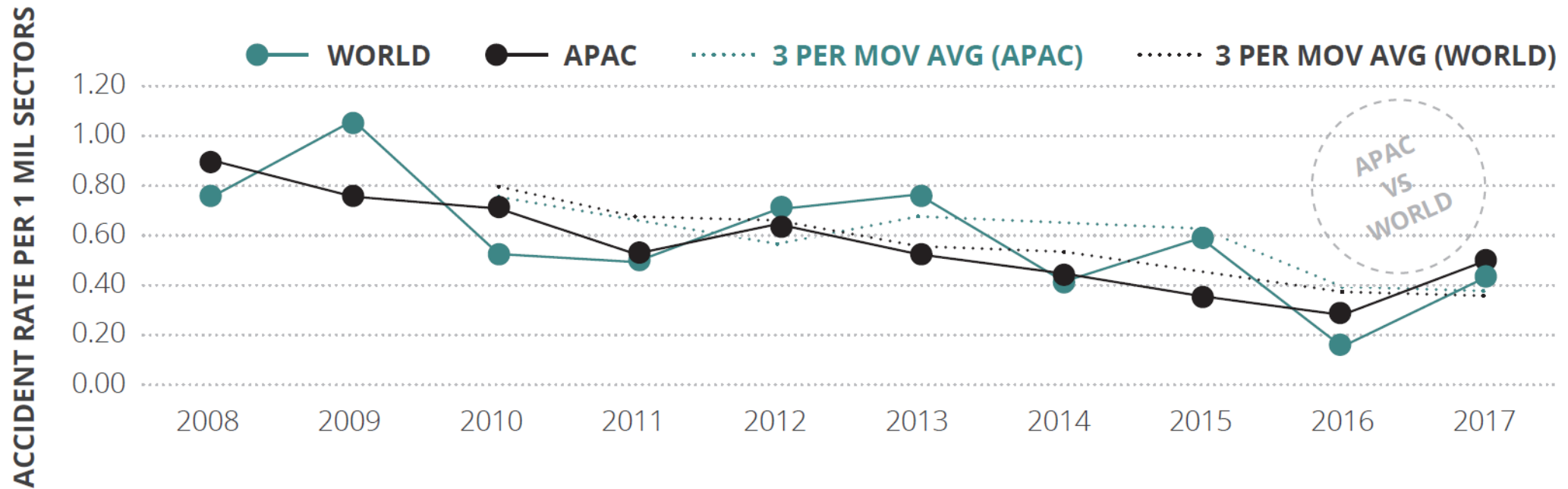
ICAO CFIT Accident History for APAC Region

CHART 7.2.6—ANNUAL CONTROLLED FLIGHT INTO TERRAIN (CFIT) ACCIDENT RATE



ICAO Runway / Taxiway Excursion APAC history

CHART 7.2.8—ANNUAL RUNWAY/TAXIWAY EXCURSION ACCIDENT RATE



ICAO – All APAC Fatal Accident Categories

TABLE 7.4.1—APAC FATAL ACCIDENT CATEGORIES (2008–2017)

CFIT	1	1	3	0	2	0	0	0	0	0	7
LOC-I	0	0	0	0	0	1	1	0	1	0	3
RS	1	1	1	0	0	1	0	1	0	1	6
SCF	0	0	0	0	1	0	0	0	1	0	2
OTH	0	0	0	1	0	0	1	0	0	0	2
UNK	0	0	0	2	1	0	1	0	0	0	4
F-NI	0	0	0	1	0	0	0	0	0	0	1
TURB	0	0	0	0	0	0	0	1	0	0	1
TOTAL	2	2	4	4	4	2	3	2	2	1	26
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	TOTAL

THANK YOU