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Aviation Authority**

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Safety Promotion
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Department

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MARCH
2023

Safety MATTERS

Providing the Namibian aviation industry and users with vital information on the latest aviation safety statistics and reports for the continuous improvement of safety systems:

Share Knowledge = Improve Safety



www.ncaa.com.na





This monthly publication will keep industry, NCAA, license holders, and the general public updated in terms of what has occurred in safety monthly within the industry. All reports are de-identified and no attempt should be made to identify the reporter in this or any other avenue unless specific authorisation is given.

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The Safety Data Collection and Processing System (SDCPS) is the tool that drives the State Safety Programme. The SDCPS collates information from sources such as reports and audit findings, observations, investigation reports and many other means, and presents them in meaningful graphs and tables. This data is presented in the next three pages.

Safety Statistics



March 2023

In March there were 42 safety reports. This included **nine medium risk events**, **one high risk event**, and the remaining **thirty-two were low risk**. Fortunately, there were no accidents this month.

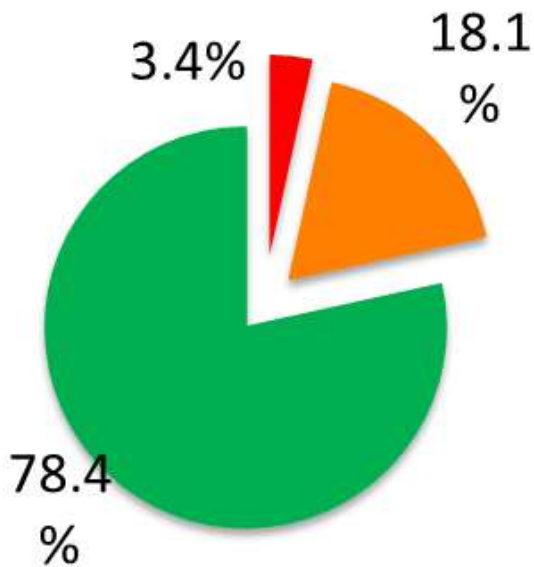
The year-to-date figures for risks show approximately **78% low risk**, **18% medium risk**, and only **3% high risk**. A continuation of the improvement shown this year to date.

It is pleasing to note that there has been a slow incline in the graph of number of reports! As our data collection process overwrites templates used for last year, it is noticeable that many new lines need to be added each month, and the majority being voluntary reporting. This is a significant difference from 2021 which was fairly level.

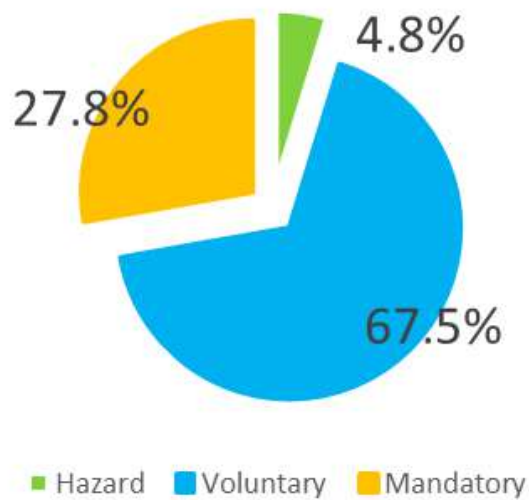
For more about classifications of risk see the definitions in Safety Bulletin 1-22.

Graphs included in this document show year to date figures unless specified.

Type of Risk (YTD)



Classification of Occurrence (YTD)



After a difficult start to the year, in March NCAA is pleased to report there were no accidents and only one high risk event.

The total year to date events is 72% non-mandatory reports a continued improvement on the close of 2022. The monthly average accident rate for the year reduced slightly to 0.362 per 1000 movements with an accident free month.

LET'S TALK SAFETY!

As stated in the quote of the month on the following page, safety should be an every time thing! It should be communicated with visible endorsement throughout your organisation and must be a core component of all your operations. Consider adding a safety case at the beginning of all your operational meetings to keep safety at the forefront of considerations, companies who have implemented this concept have had a remarkable reduction in safety events! Let's keep talking safety!



For occurrence reporting, remember to email incidents@ncaa.na or use the following link:
<https://forms.office.com/r/WhYcLFfmmu>

Safety Performance Indicators

After a difficult start to the year with respect to accidents, figures for March were refreshingly without significant concern. The only category above target was maintenance events with some recurrent failures.

SPIS

	Airprox/LOS A CFIT		Rwy Excurs.	Wildlife	LOCI	Rwy Incurs.	Maint & Tech
Average	0.216	0.103	0.147	1.080	0.105	0.129	2.492
JAN '23	0.000	0.000	0.269	1.346	0.000	0.000	3.769
FEB '23	0.000	0.000	0.274	0.823	0.549	0.549	1.646
MAR '23	0.233	0.000	0.000	1.398	0.000	0.000	3.030
APR '22	0.000	0.254	0.254	1.272	0.000	0.509	2.799
MAY '22	0.262	0.523	0.262	1.308	0.000	0.000	2.093
JUN '22	0.000	0.000	0.000	2.350	0.261	0.261	2.089
JUL '22	0.235	0.000	0.000	1.877	0.000	0.000	2.112
AUG '22	0.656	0.000	0.000	0.219	0.219	0.000	2.185
SEP '22	0.499	0.000	0.250	0.250	0.000	0.000	1.747
OCT '22	0.453	0.453	0.000	0.679	0.226	0.226	2.489
NOV '22	0.000	0.000	0.456	0.684	0.000	0.000	3.191
DEC '22	0.250	0.000	0.000	0.750	0.000	0.000	2.750
Target 2023	0.276	0.152	0.123	1.795	0.110	0.138	1.958
Avg 2022	0.315	0.192	0.137	1.106	0.094	0.145	2.198
SD 2022	0.279	0.208	0.172	0.599	0.141	0.237	0.719
Alert 3	0.593	0.399	0.310	1.705	0.236	0.382	2.917
Alert 2	0.872	0.607	0.482	2.305	0.377	0.619	3.636
Alert 1	1.151	0.815	0.654	2.904	0.518	0.856	4.354

The statistics above are created using rates per 1000 movements based on statistics collected by the NCAA ANSP. Targets are based on methods described in ICAO Document 9859, namely 10% reduction each year, and standard deviation alerts for above one, two, and three standard deviations. If you want any further information on these figures please contact spg@ncaa.na.




IF IN DOUBT - REPORT!

Help us help you by reporting occurrence and hazards

The backbone of an effective SSP/SMS is a reporting culture and a just culture - instill this in your organisation!

incidents@ncaa.na



Safety Thought for the Month

" Safety is not a sometime thing - Safety is an everytime thing" – Martin Plumleigh, SMS Manager, Boeing Digital Aviation Solutions

Stay Safe!

Reporting



Social Media Aviation Competition



Participants

NCAA invites secondary school learners to enter **aviation safety** social media competition, graphics or MP4

Prizes to be won

First Prize - N\$ 1000 Voucher
Second Prize - N\$ 500 Voucher
Third Prize - N\$ 250 Voucher



All winners will be published
All Images must be copyright free



Submit your applications including your name, age, grade and school before 31st of August to spq@ncaa.na with the title "**COMPETITION SUBMISSION**" winners will be announced on social media and in the September NCAA safety bulletin.



083 235 2300



spq@ncaa.na



4 Rudolf Hertzog Street
Windhoek Namibia

NCAA is proud to announce two aviation safety competitions, as follows:

1. Submit an aviation safety article of 600 to 1000 words with one image. This competition is open to anyone outside or inside NCAA, except SPQ department, (there are three prizes for internal and three prizes for external);
2. Submit an aviation safety social media graphic or short video, this competition is open only to school age children, inspiring the Next Generation of Aviation Professionals!

If you have any questions about these competitions, please ask us at spq@ncaa.na.

Meet the Team - AGA



About the Aerodromes and Ground Aids Team

AGA is responsible for the development and amendment of operational regulations and technical standards related to aerodromes and heliports, pursuant to the Civil Aviation Act No. 6 of 2016, and development and maintenance of technical guidance material for the industry to ensure compliance. Their primary function is certification, licensing, registration, and surveillance of our national airports, heliports, and landing sites. AGA is also responsible for approval and establishment of Obstacle Limitation Surfaces within the vicinity of an aerodrome, conducting surveillance activities to ensure that aerodrome operators comply with NAMCARs, Part 139, investigating and resolving aerodrome related safety concerns and approval of non-licensed heliports and emergency landing sites.

Achievements for the past year include:

- Final promulgation of the outstanding subsections of Part 139.
- Certification of FYWH and FYWB, our only two category A airports.
- Publication of 12 advisory pamphlets for the industry on implementation of Part 139

Contact the AGA section on AGA@NCAA.NA.



DENNIS F
GAINGOB



RAUNA
MUNGONENA



SILO T N
SHINO



THEOLINE L
KAURAI SA



MARX N
SHIKONGO



RUBEN T
MOKHATU

Also in the team: Mr. Johannes Haimbili (in France undertaking studies when photos were taken)

Under the leadership of Mr. Dennis Gaingob, acting Senior Manager, the AGA team work tirelessly to keep our aerodromes safe, both the certified aerodromes and the registered aerodromes. If you have any questions about aerodromes or ground aids, reach out to the AGA team on aga@ncaa.na, the designated inspector will respond.

NCAA aims to include one safety oversight section each month so you can get to know our inspectors and the eight different safety/security oversight sections' roles and responsibilities. These sections comprise, AGA, AIR, ANSSO, AvSec, CRR, OPS, PEL, and SPQ.

SAFETY OCCURRENCES

MARCH 2023

TECHNICAL FAULTS (MANDATORY, **LOW RISK**, AIR)

There were fourteen technical events reported in March, as follows:

No.	Fault	Type
3	Radio communication failures	single piston x 2, twin turboprop x 1
1	Gear fault	single piston
4	Electrical failures	single piston
1	Flat tyre	single turbine
1	Door fault	twin turboprop
1	Abnormal manifold pressure	single piston
1	Cracked windscreen	jet
1	Vacuum pump failure	single piston
1	Abnormal vibration	single piston

Note that nearly all unscheduled failures require a incident report. This need not be a lengthy dissertation, that is, it shouldn't take you too much time, only a brief summary of the most likely or determined cause of the failure. This is important for trending and/or for preventative maintenance.

Please see the April 2022 article on service difficulty reports (SDRs) and mandatory occurrence reports (MORs).



SAFETY OCCURRENCES

MARCH 2023



WILDLIFE STRIKES (VOLUNTARY, **MEDIUM RISK**, AGA)

There were six wildlife events reported in March.

Wildlife	Events and near misses		
No.	AD	Phase	Details
1	FYWH	Takeoff	Unspecified
2	FYWH	Landing	Unspecified
1	FYWE	Takeoff	Unspecified
1	FYWE	Landing	Guinea Fowls
1	FYSO	Landing	Springbok

None of the events had reported any damage to the aircraft. Occurrence rates remain under our target of approximately 2 per 1000 movements.

Note: Bird strikes, while the damage is normally negligible, are a frequent occurrence so fall into the medium risk category.

SAFETY OCCURRENCES

MARCH 2023

LOSS OF SEPARATION (MANDATORY, **HIGH RISK**, PEL/OPS)

There was one event of a loss of separation between circuit traffic reported at a manned airport. Conditions were VFR and it is not confirmed yet if the traffic had visual contact or required evasive manoeuvres. The event is being investigated.

More details will be provided once they become available.

AERODROME RELATED EVENTS (MANDATORY, **LOW RISK / MEDIUM RISK**, AGA)

There were three aerodrome related events:

- Aerodrome lighting remote switching panel in the tower was unserviceable which required the aerodrome operator to switch on the lights. The responsible party could not be located resulting in a night landing without lights.
- An airside gate was left open during the day for construction access, degrading the security of the airside. The matter was addressed with the airport operator and resolved.

Note: During investigation it was discovered that considerable time elapsed between the event and the eventual report to NCAA, please note, NCAA cannot be everywhere and we can't address hazards if we are not notified!

- Work in progress (WIP) was reported without a NOTAM at a busy airport.

Airport operators are again reminded of the critical importance of advance notification via NOTAM of any WIP, and always get a receipt or acknowledgement of your submission.



SAFETY OCCURRENCES

MARCH 2023

GO AROUNDS AND DIVERSIONS (VOLUNTARY, **LOW RISK**, OPS)

The following table details go arounds and diversions during March:

No.	Details	AD / Area
2	Go around due to windshear	FYWH, FYWE
1	Go around due to traffic	FYWE
1	Go around due to frequency confusion	FYWH
1	Diversion due to weather	FYRU



**SAFETY IN
THE AIR
STARTS ON
THE
GROUND!**



SAFETY OCCURRENCES

MARCH 2023

AFTER HOURS OF DUTY (MANDATORY, **LOW RISK**, OPS/AGA)

There was one after hours of duty landing at one of the NAC airports.

Operators are reminded of the importance of adhering to the published aerodrome operating hours detailed in the AIP. Operation outside these hours is without SAR, ATS, and ARFF.

MEDICAL EMERGENCIES (VOLUNTARY, **LOW RISK**, OPS/ANSSO/AGA)

There were two medical emergencies in inbound flights this month.

Thanks to quick action by all concerned there was no resulting incident.

PARALLEL OPERATIONS (MANDATORY, **MEDIUM RISK**, ANSSO)

Due to untimely taxi of two aircraft a heavy scheduled arrival was cleared to land while a medium aircraft was on the parallel taxiway.

ATS are reminded of the parallel operations restrictions and if separation cannot be provided the traffic must be issued with instruction to go around. Crew need to adhere to any agreed departure times.



SAFETY OCCURRENCES

MARCH 2023

ATS AND MET FACILITIES (MANDATORY, **LOW RISK**, ANSSO)

The following ATS and MET failures occurred in March:

No.	Fault	Area
3	MET equipment failures	FYWB, FYOA
1	Partial radar failure	FYWF
1	Strip printer failure	FYWB
2	VSAT Lines failure	FYWF



SAFETY FEEDBACK

MARCH 2023



NCAA WEBSITE INFORMATION (VOLUNTARY, **LOW RISK**, SPQ)

The NCAA is in a process of updating and overhauling the website. Integral to this process is a reconciliation of all NAMCARs and NAMCATS on the website to ensure all the available content, and only current content, is included and the presentation is user friendly and sorted in a manner that information is easily located. An index is being sought for the AICs and the same overhaul of presentation will be applied.

If you have any suggestions for the website content, now is the time to send your requests! The quality team within SPQ will address these with our IT department so as usual send your requests to spq@ncaa.na.



NCAA Safety Workshop

NCAA has finalised the programme for the first aviation safety workshop of 2023 on the 27th April, please do contact us for your booking requests. The free event will include a filling selection of lunch platters and be held as a hybrid event for those not able to attend in person.

09:00-09:10
Welcoming: Ms. Toska Sem (Executive Director NCAA)
09:10- 09:40
SSP Implementation: George Matroos (Snr Manager SPQ)
09:40- 10:30
SMS and QMS Issues: Nico Scholtz (Flight Operations Inspector)
10:30- 11:20
Audit for Improved Safety: Peterson Tjitemisa (Snr Manager Compliance and Regulatory Risk)
11:20- 12:00
Hazard Identification and Risk Assessment in SMS: Marshallino Coetzee (Flight Data Analyst Westair Aviation)
12:00- 13:00
Non-Type Certified Aircraft Approvals: Robert Mathe (Snr Manager AIR)
13: 00- 14:00
Lunch
14:00- 1420
5G Update: Benedictus Ashipala (CNS-ATSEP)
1420- 15:00
Dangerous Goods CBT: Fares Shikongo (Snr Inspector Dangerous Goods)
15:10- 15:50
Safeguarding Aerodromes Amidst Sustainable Development: Rauna Mungonena (Snr Inspector Aerodromes)
15:50- 16:00
Closing Remarks: Ericsson Nengola (General Manager Safety NCAA)



The event will take place at the NCAA Headquarters Auditorium from 0900 to 1600 however please confirm with the NCAA SPQ department in advance to secure your place.

For enquiries, link details, and bookings:

Danielle Bruckert 083 235 2468,
bruckertd@ncaa.na or spq@ncaa.na

SAFETY ARTICLE:

SAFETY - IT CAN HAPPEN TO YOU!

Have you ever heard or thought any of the following:

"It's just a one-off event" .

"The rate is very small, what else can we do"

"That wouldn't happen to me"

One operator decided to find a way to make safety more personal through using a "safety moment" at the start of every meeting that included an industry event/accident. Another operator held a safety conference themselves, with industry organisations/associations, and the regulator. Be proactive! Don't wait for NCAA to create safety events.

Is your SMS really a living breathing organism comprising all operational staff? If not reach out to us for help - an ad-hoc audit can be immensely beneficial in determining where you need to change.

Don't let complacency creep into your SMS by doing the same thing day in day out - consider some interactive briefings, workshops, competitions, try rewarding hazard identification, ensure forms are readily accessible, e.g. in flight packs, source some video briefings, - think outside the box in terms of how you can make the safety system come alive!

Safety requires work, and only with the support and input of all our members, and full, across the board, implementation of SMS, can our State Safety Programme be truly effective.



Articles and Ask NCAA

NCAA values your input and we have created this forum for answering questions industry may have or requests for publications. Feel free to drop us a line and enquire: spq@ncaa.na.

Publications

[IATA - Operational Safety](#) - IATA has some very useful operational documents available online. Additionally they have many courses available now virtually making them much more affordable.

NCAA has published two advisory pamphlets, including an SMS implementation tool (docx) and a pamphlet on reporting schemes. These along with the updated SMS and SMM checklists are available in the [SPQ Category](#) of the [Advisory Pamphlets](#) section of our website.

Invitation to Contribute

Service providers and users are invited to contribute topics and ideas or articles to NCAA SPQ department for consideration in our safety publications or safety workshops. Remember the safety system only works with participation and information sharing is key to continuous improvement and achieving global aviation safety goals.

Further information requests, submissions, or queries can be sent to:
email: spq@ncaa.na
phone: 083 235 2468

