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UNITING AVIATION

Safety Enhancement Implementation Group SEIG/4

MID Region Safety Priorities & Targets

23-25 Oct 2022

Cairo, Egypt





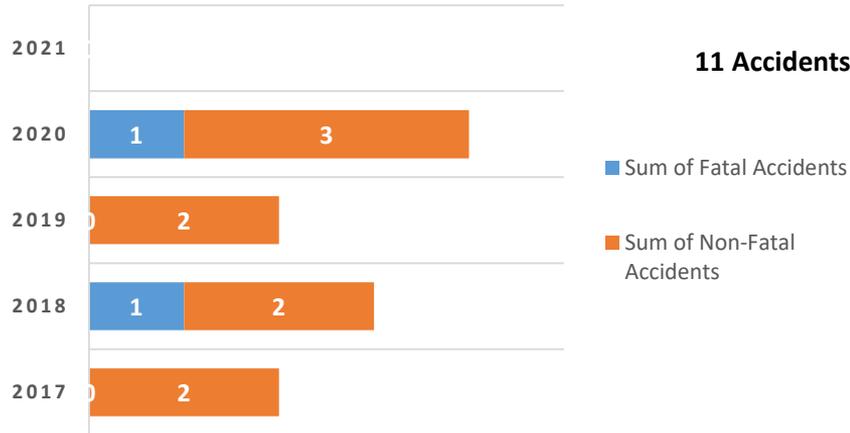
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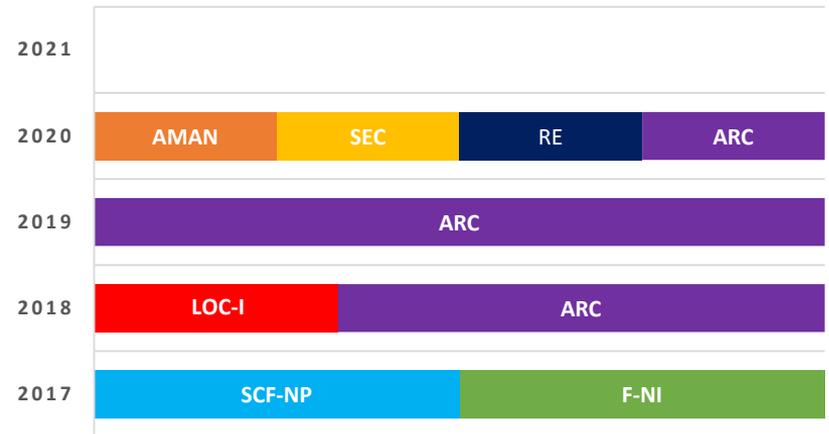
MID Region Safety Priorities

State of Occurrence-Accidents Schedule commercial above 5700 kg

Number of Fatal Accidents Vs Accidents



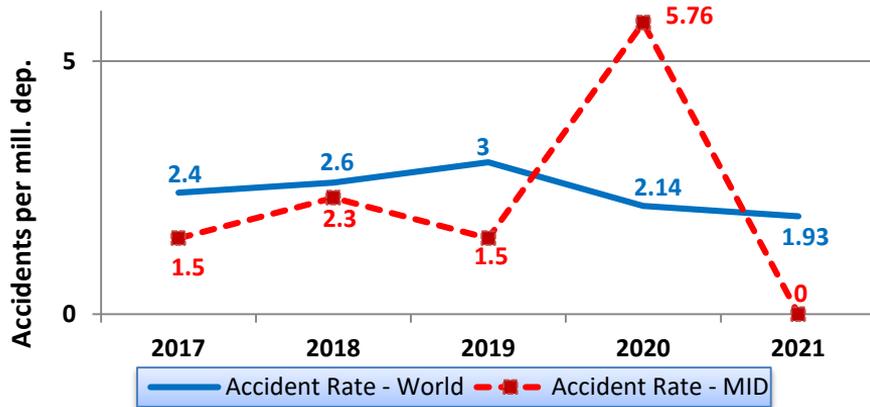
Distribution of Occurrence Category





Accident Rate

Accident Rate
Scheduled Commercial above 5700 kg

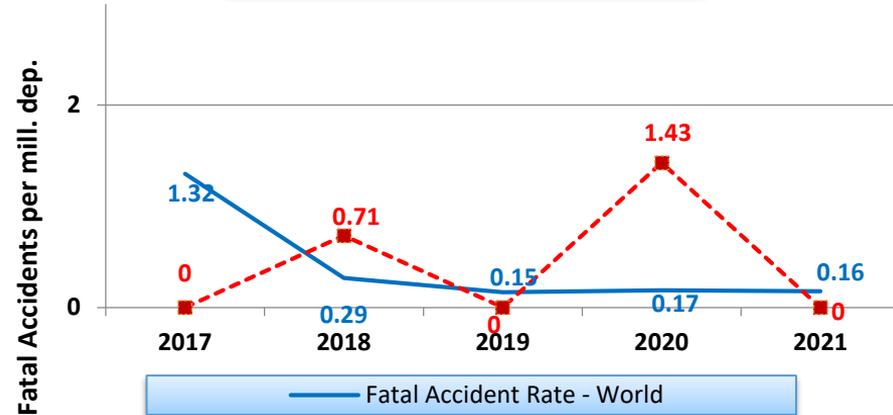


Average 2017-2021

Average MID
2.21

Average Global
2.41

Fatal Accident Rate
Scheduled Commercial above 5700 kg



Average 2017-2021

Average MID
0.42

Average Global
0.41



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MID Region Safety Priorities



Operational safety risks

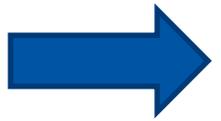
Organizational issues

Emerging safety risks

Prioritizing State Safety Risks

Root causes

- Human Factors
- Competence of personnel
- SSP/SMS implementation
- States' Safety Oversight capabilities
- Commercial Pressure
- New Business models
- Impact of security on safety
- Impact of socio-economic factors on safety



Safety issues

- Low Airspeed
- TCASRA
- EGPWS warning
- RI by A/C
- Unstable Approach



Potential High Risk Accidents

- Loss of Control In-flight
- Mid Air Collision
- Controlled Flight into Terrain
- Collision on Runway
- Runway Excursion

Regional Operational Safety Risks



Loss of Control In-flight



Runway Excursion/ARC



Controlled Flight into Terrain



Mid Air Collision



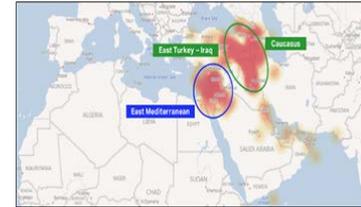
Runway Incursion



1 COVID-19 Pandemic



2 GNSS interference



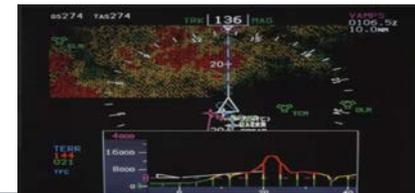
3 Ensure Safe ops of UAS



4 Impact of security on safety



5 5G interference with Radio Altimeter



MID Region Safety Priorities

11th MID Annual Safety Report Draft

Regional Operational Safety Risks

LOC-I, RE/ARC, MAC, CFIT, and RI

Organizational Challenges/ Issues

- States' Safety Oversight capabilities
- Safety Management
- Human Factors & competence of personnel
- Cybersecurity

Emerging Risks

- COVID-19 Pandemic outbreak
- GNSS interference
- Ensure Safe ops of UAS (Drones)
- Impact of security on safety
- 5G interference with Radio Altimeter



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SAFETY

MID Region Annual Safety Report



11th Edition
Reference Period (2017 - 2021)

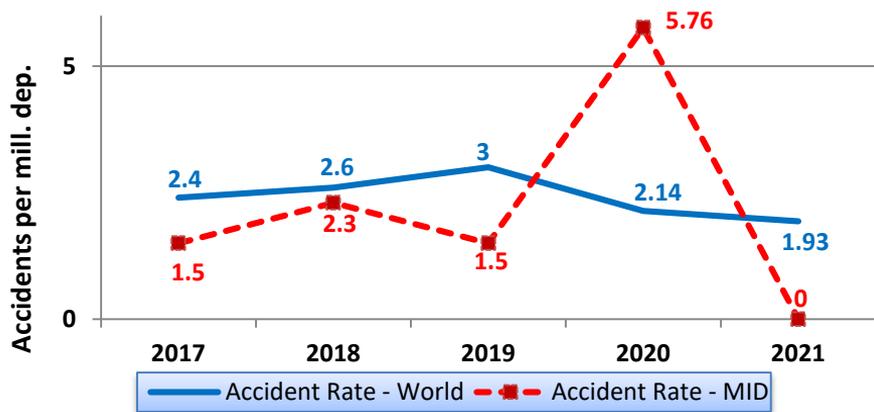
2022



MID Region Safety Targets



Accident Rate
Scheduled Commercial above 5700 kg



Safety Target

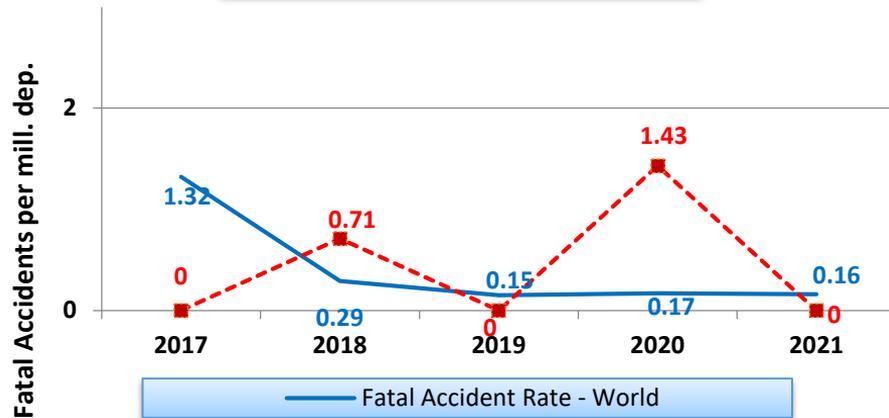
Reduce/Maintain the regional average rate of accidents to be in line with the global average rate

Average 2017-2021

Average MID
2.21

Average Global
2.41

Fatal Accident Rate
Scheduled Commercial above 5700 kg



Safety Target

Reduce/Maintain the regional average rate of fatal accidents to be in line with the global average rate

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Goal 1: Achieve a Continuous Reduction of Operational Safety Risks





Goal 2: Strengthen States' Safety Oversight Capabilities

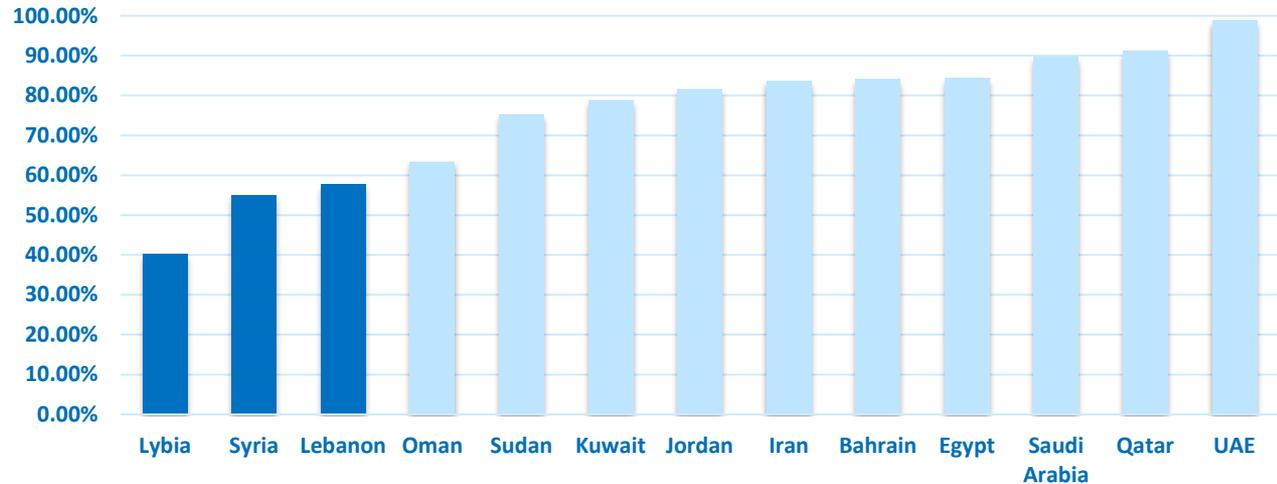
Effective Implementation (EI)

13 out of 15 States have been audited

Overall MID EI = 74.67% which is above Global average (68.68%)

3 states are below 60% (Libya, Syria, Lebanon)

NO SSC in MID Region



Goal 3: : Ensure Appropriate Infrastructure is available to Support Safe Operations

Aerodrome Certification



Status
58.62%

Runway Safety Team (RST) at MID International Aerodromes



Status
57%



Goal 5: Implementation of Safety Management

Safety Indicator	Safety Target	MID
Number of States that have completed the SSP Gap Analysis on iSTARS	13 MID States by 2020	9 States
Number of States that have developed an SSP implementation plan	13 MID States by 2020	9 States
Regional Average overall SSP Foundation (in %)	70% by 2022	 76.1%
Number of States that have published a national aviation safety plan	13 MID States by 2022	4
Number of States that have implemented an effective SSP	7 MID States by 2025	TBD

