

### **GACA 151**





GACA 151 Supporting Ground Handlers





# Overview | Embarking on Rich Clientele for Local



and Global Growth



**100+** Client

Airlines



100 M

Passengers



**678,000** Flights



90 M

Baggage





13,700+ Employees & Contractors



**83%** Saudis



11,195

Ground Support Equipment

### **Our Values**







### Safety

Is the wellbeing of customers and staff, ensuring the highest standards of maintenance and security measures at all times.



### Excellence

Is our commitment to always deliver excellent quality in all services and maintaining integrity with customers and employees.



### Sustainability

Is the responsible business practices that actively add value to the business model, the wider community and the environment. Generate economic growth that benefits society in support of a more inclusive and ecofriently future.



### Innovation

Is leading the market in technology and constantly investing into new ways to improve and diversify the service offerings.



### Integrity

Is to ensure that all interactions with any stakeholder represents the values of both SGS and the Kingdom of Saudi Arabia.



### Accountability

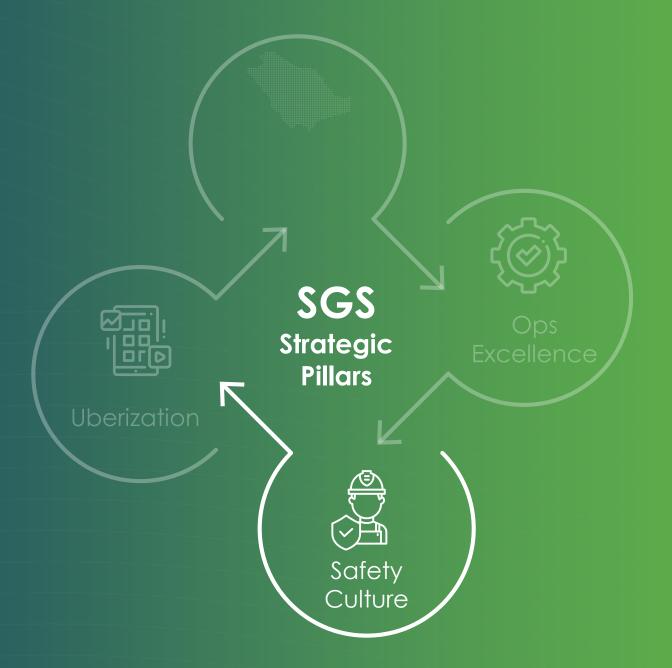
Is our systematic approach to planning and implementing a constant improvement process.



### Citizenship

Is our representation of the Kingdom and contributing to upholding a positive image to fulfill vision 2030.





# Safety Culture | A New Structure to Institutionalize a Safety Culture







Complete restructuring to comply with **GACAR Part 151 and Part 5** (Safety Management System)



Establish and maintain an **SMS and QMS** that reflects SGS organization and its operation.



Added **new management level** with an airline and fixed wing experience.

# Safety Culture | A new Safety Measures to Improve



### Performance



Increase **safety performance monitoring and measurement** by developing processes and maintaining systems to acquire data with respect to operations and services. These processes and systems include:



- Introduction of the "Just Culture"
- Safety Officers presence in the ramps and terminals
- Introducing the role of the **Turnaround Coordinator (TRC)** (GACA 151 requirement)
- Introducing the function of Wing Walker
- Confidential (anonymous) employee reporting system

### **Overview**





**Safety Performance** 







### Incident's Ratio per 10,000 Flights

January 2025 (12 month rolling rate)





SGS has performed better than regional and International benchmarks of IATA Incidents Data Exchange (IDX) regarding all Ramp incident activities.





SGS has performed better than International benchmarks of IATA Incidents Data Exchange (IDX) with 0.25 regarding Aircraft Incidents in Ramp/Loading/Ground services Equipment.





### Incident's Ratio per 10,000 Flights

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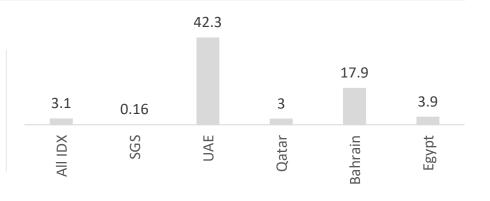
Incidents

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### **Ground Services Providers**





**GACA Regulation Part 151** 



# GACAR | GACAR Regulations





**GACAR 151** prescribes the rules and technical requirements governing organizations who provide ground services at an aerodrome within the Kingdom of Saudi Arabia (KSA) within the applicability of GACAR Part 139.

#### **GACAR 151 Relates to Ground Service Providers and includes:**

- Subpart A General.
- Subpart B Certification.
- Subpart C Personnel Requirements.
- Subpart D Ground Operations Manual Requirements.
- Subpart E Training Requirements.
- Subpart F Ground Support Equipment and Facilities.
- Subpart G Fatigue Management.
- Subpart H Quality Assurance.
- Subpart I Records and Reports.



(GACAR 151)
GROUND SERVICE PROVIDERS

# GACAR | GACAR Regulations





International Civil Aviation Organization



**ICAO** 

International Air Transport Association



- General Authority of Civil Aviation
  - **E**GACA®

الهيئــة العامــة للطيران المدني General Authority of Civil Aviation

Local Aviation Regulations (GACARs)

- IATA Airport Handling Manual (AHM)
- IATA Ground Operations Manual (IGOM)
- IATA Safety Audit For Ground Operations (ISAGO).
- IATA Dangerous Goods Regulations (DGR)
- IATA Publications.



### Saudi Ground Services Company

Response Manual Ground
Operations
Manual

Quality
Management
Manual

Safety
Management
Manual

Career Development and Training Manual

### GACAR PART 151 Benefits of Regulations





#### **GACA 151 RE-CERTIFICATION**

JED, DMM, RUH, and MED, AHB, TUU, GIZ, ELQ, TUI, AJF, RSI, NUM, BHH, ULH,























#### ISAGO CERTIFICATION

Head Office (HQ), JED, RUH, MED, DMM, AHB, TUU, GIZ, ELQ



**HQ** EXT.2026

















#### **SAFETY PROMOTION | CONTINUOUS IMPROVEMENT**

















### GACAR PART 151 | Emergency Preparedness





# SQS Hotline Proactive Hazard Reporting/INTELEX

Full-scale Emergency Response (ERP) exercise













# **GACA Regulations**



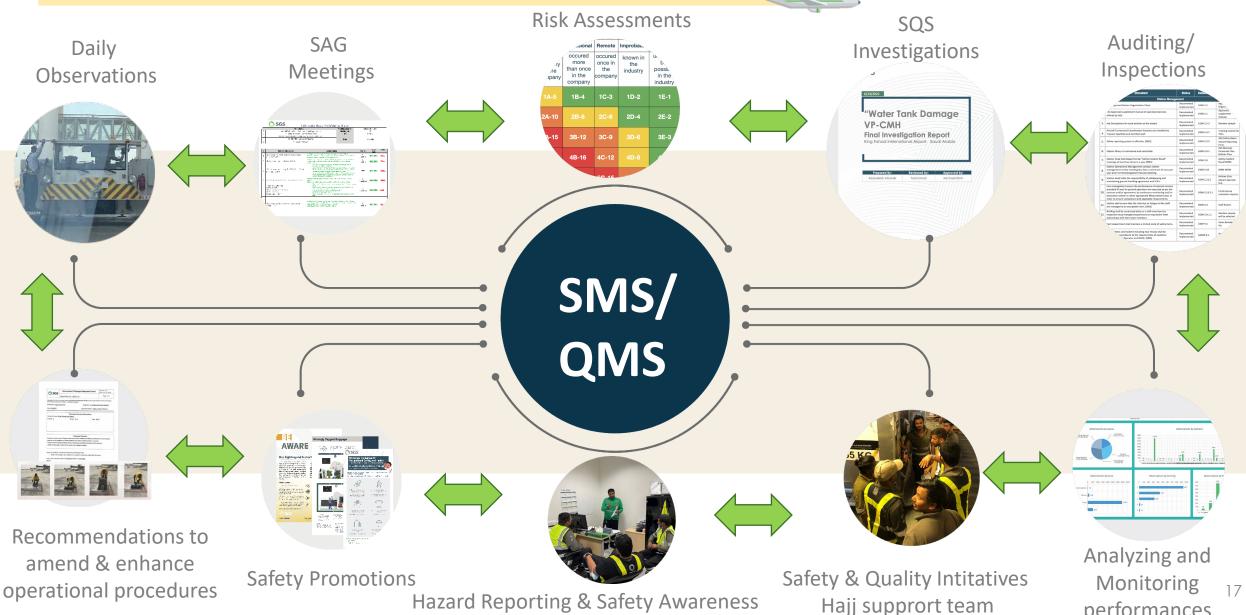


Safety Management Systems



# GACAR PART 5 | Safety Management Systems





performances

# GACAR PART 5 | Safety Policy – Visible Leadership/



**Management Commitment** 

The certificate holder must define accountability for safety within the organization's safety policy for the following individuals:

- Accountable executive, as described in GACAR § 5.25.
- All members of management in regard to developing, implementing, and maintaining SMS processes within their area of responsibility, including, but not limited to:
- Hazard identification and safety risk assessment.
- Assuring the effectiveness of safety risk controls.





# GACAR PART 5 | Risk Management



GACAR Subpart C 5.53 When applying safety risk management, the certificate holder must have a process to describe and analyze the system for use in identifying hazards under paragraph (c) of this section, and developing and implementing risk controls related to the system under GACAR § 5.55(c)

- Identify risks posing a threat to the organisation;
- Eliminate the risk where possible or reduce the risk to an acceptable level;
- ❖ Manage the remaining risk so as to avoid any undesirable outcomes.
- This process enables the organization to minimize losses and maximize gains.



Only once a risk is identified can it be managed.

# GACAR PART 5 Risk & Change Management



Description

The initiative of demonstrating Hydrogen powered vehicle / GSE by partnering with both Toyota and Air product providing Hydrogen mobile refueling equipment for the demonstration in Dammam Airport.

Toyota Vehicle / GSE

MIRAI

Forklift

### **SGS Department**

Operation, Technical, safety

#### Phase 1

• SGS – Toyota – Air product

#### Phase 2

• SGS - Toyota - Air product & DACO

#### Phase 3

- SGS Toyota Air product & DACO
- MOE & GACA

#### SGS Operational Risk Assessment

Station DMM		Risk Rating	Underlying Hazard, Related Mitigation and Reference				
Purpose	Possible Hazards of H2 Mobile Station	Negligible	No Action required, but facts must be recorded.				
Date 18/12/2022		Minor	Perform any action thought to be possible to at local level where reasonably practicable to move risk into green category.				
Assessor	Ssessor Capt. Talal Ismail Mohanad Sebaih		Risk must be reduced as safety is not fully ensured. Action shall be taken urgently to reduce the risk by one category minimum.				
Department Safety, Quality and Security		High/ Major	Urgent action must be taken to reduce the risk to lowest reasonably practicable level. Substantial risk. Safety is not ensured				

Sr#	Hazard	Risk Inherited(Consequence)	Severity	Probability	Existing Controls	Existing Controls	Action Owner	Target	Severity	Probability	Mitigat
1	Ignition in the vicinity of H2 and O2 mixture	Fire and explosion: Equipment damage and possible injuries Potential fire and Explosion	5	O	sc	The site will be barricaded to restrict any operational staff or equipment for operating in close proximity, signage is prepared to avoid any ignition or sparks around the Hydrogen fueler along with no smoking and caution signages as well. Memo will be sent out to all staff to ensure compliance with the precautionary measures	SGS	25-Dec -2022	5	E	5E
2	Mechanical failure/im- proper joints and fittings	Hydrogen leak in piping could cause fire and explosion.	3	С	3C	Joints and fittings are sized to prevent any catastrophic failure. Gas detection system integrat- ed with actuator valve to cut the supply of H2	sgs	Com- peleted	3	E	36
3	Overpres- sure rupturing membrane	Hydrogen leak in electrolyser causes fire and explosion.	4	В	48	Not Applicable to Equipment	sgs	Com- peleted	4	D	40
4	Mechanical failure/im- proper joints and fittings.	Hydrogen leak in storage tank could cause fire and explosion.	4	В	48	Relief devices are sized to prevent catastrophic failure. Gas detection system integrat- ed with actuator valve to cut the supply of H2	sgs	Com- peleted	4	D	40
5	Equipment failure, worn out seals	Compressor failure, Potential H2 leaks.	3	С	3C	Not Applicable to Equipment	sgs	Com- peleted	3	E	3E





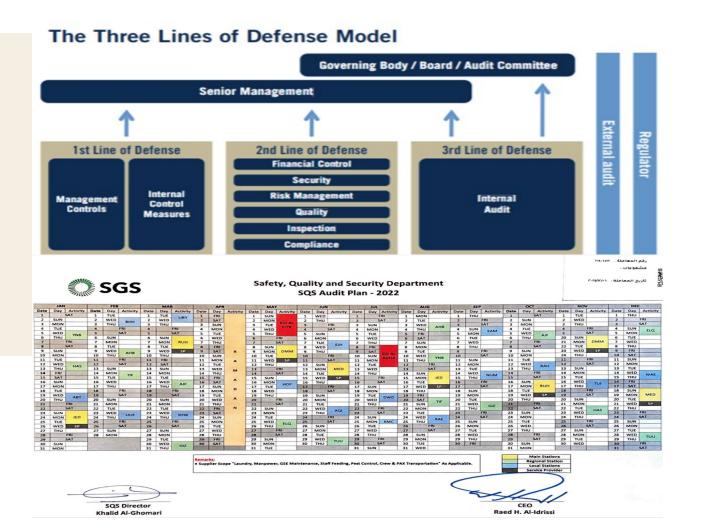




# GACAR PART 5 | Safety Assurance



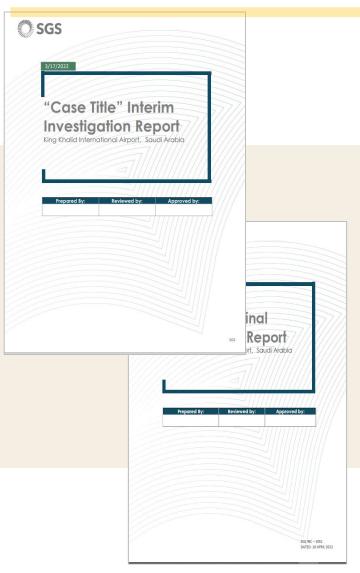
The certificate holder must develop and maintain processes and systems to acquire data with respect to its operations, products, and services to monitor the safety performance of the organization.

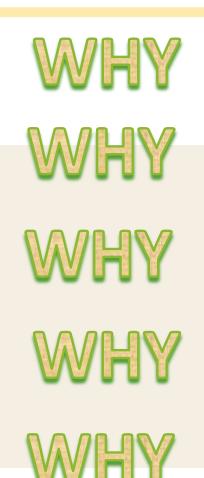


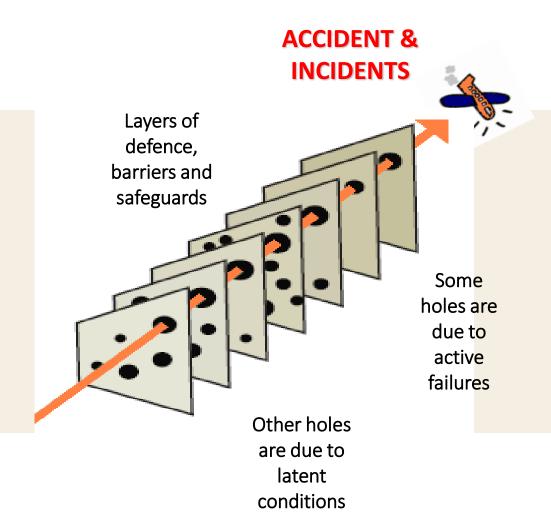


# GACAR PART 5 | Safety Incident Investigation













# GACAR PART 5 | Safety Promotion



#### Safety Toolbox Talks



# **Health and Safety Hydration Campaign**

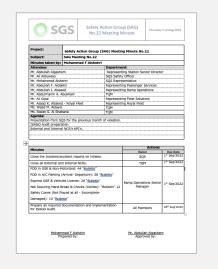


### Safety Bulletins

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# Safety Action Group Meeting





# GACAR PART 5 | Safety Communication























Safety Reporting Rules & Just Culture

FOD Prevention Checking Pax Documents

Validity of Documents

Hydration in the Heat

Pilfering from Aircraft Safety Cones Placement

Airline Stationary Control

Fire Fighting & Protection

Cold Stress Aircraft Arrival Walkaround Loading into Pallets Solar Eclipse & Eye Safety

Cargo Compartment Brakes Engaged on all Dollies

PCAir System (JED) Baggage Checkin Procedures Passenger Acceptance

Working in Extreme Temperatures - Cold Weether

Working in Extreme Temperature

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COORDINATE LANGUAGE AND A CONTROLLED AND

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# GACAR PART 5 | Sustaining safety qualifications



through Training



Provide **training to attain and maintain the qualifications necessary** to perform duties relevant to the operation and performance of the SMS

Partnership with other leading aviation academies to help enhancing SGS training academy programs particularly in:



**Terminal** operations



Baggage handling system



**Human** factors



Ramp safety awareness



Organization loyalty



