

DANGEROUS GOODS

10 October
2025

Dangerous Goods Manager
Mr. David Khumalo



Dangerous Goods Part 92



Dangerous Goods Overview

Applicability and scope
ICAO

Why the latest Regulations?

Part 92 Reasons for revision

DG Incidents

Part 92 amendments overview

Training & Instructors

Part 92

Collaborative work

Collaborative work domestic, Regional and International



Our refreshed identity reflects our continued growth, commitment to world-class services, and dedication to safe, secure, and sustainable aviation. It also embodies our values anchored on the principles of Ubuntu — calling us to serve in upholding aviation safety and security standards, encourage teamwork, conduct our business with integrity, collaborate with our stakeholders, ensure service excellence as we interact and transact with our clients on a daily basis and to take accountability for our decisions and actions

Applicability (Intermodal Carriage)

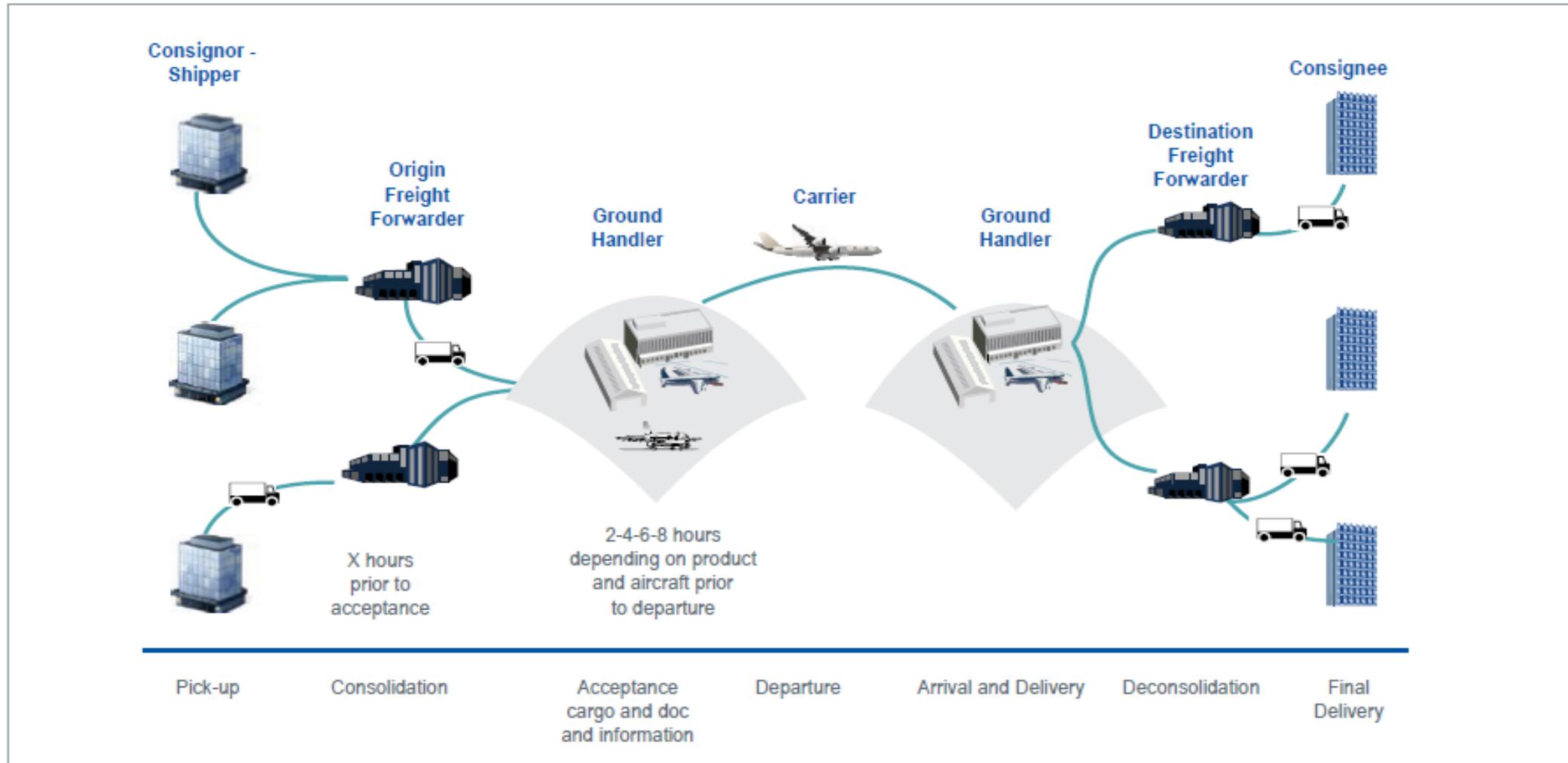


Figure 1 - Air cargo movement overview.

Applicability

Operators/Airlines

Commercial aircraft operators: Fixed wing, helicopters, Drone operations, balloon operations .



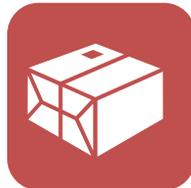
Airports

International and domestic serving airports
Cargo, Mail, baggage and passenger movements



Cargo/Shippers/Freight Forwarders

Cargo entities and facilities both at Airport and off the airport.



Post Office

Post office main mail and cargo centres .



Training Organisations

Aviation training organisations offering dangerous goods training



Packers

Packers of Dangerous goods for Air transport.



Package Testing Organisations

Testing organisations for air transport packages.



Couriers

All courier with parcels or cargo for air transport

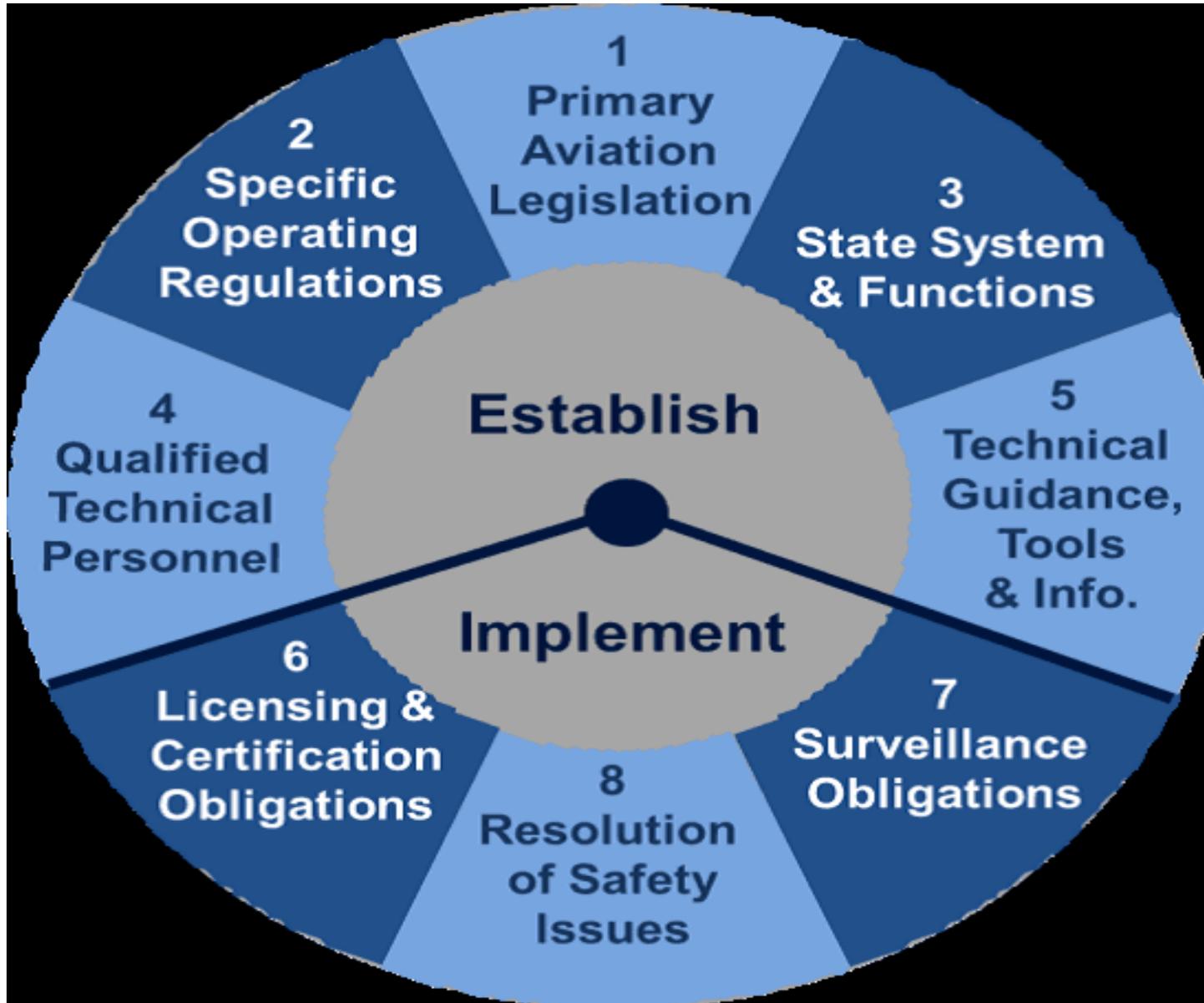
International Civil Aviation Organisation



ICAO

- agency of the United Nations
- coordinates the principles and techniques of international air navigation, and fosters the planning and development of international air transport to ensure safe and orderly growth
- adopts standards and recommended practices concerning air navigation, its infrastructure, flight inspection, prevention of unlawful interference, and facilitation of border-crossing procedures for international civil aviation
- South Africa is a signatory state to ICAO
- Universal Safety Oversight Audit Programme (USOAP) and Universal Security Audit Programme (USAP)
- Development of Technical Instructions
- Effective Implementation score of 92% for SA

ICAO Critical Elements



Why the latest REGS



ICAO requirements inclusion

Update the regulations with latest ICAO amendments as per SACAA internal gap analysis



Addressing Risk

To curb the rate of incidents that has been growing due to changes in the industry e.g., ecommerce and Lithium batteries



Improved structure of Regulations

Better structure and readability of the regulation. The Regulation has been subdivided into 4 subparts



Relevant Regulations

Developing regulations that are appropriate and relevant to the South African Industry –clarity on approval processes

DG INCIDENTS



15 January 2025

AC turned back to PLZ after Flight Deck Crew complained of strong chemical smell emanating from the hold .

DG INCIDENTS



04 July 2025

Pilots offloaded a shipment of Lithium Batteries due to insufficient documentation and elected to err on the side of caution.



DG INCIDENTS



06 September 2025
Leakage of UN: 3267 Corrosive liquid,
basic, organic. NOS (Magnus Magnusol 728) as undeclared DG
Shipment found leaking on arrival-Shrink wrapped in black and no
visible markings



Dangerous Goods in Air Cargo

Cargo and other entities compliance summary

All Entities with no approval

Any cargo handling entities in the supply chain including Aerodromes



- ✓ Submit an MOP for approval
- ✓ MOP must contain CBTA program
- ✓ Ensure declaration for non-dg cargo is given to the handling agent or operator
- ✓ Does not handle dangerous goods
- ✓ Hand dangerous goods cargo to approved agent for final acceptance
- ✓ Reject or rescreening in the absence of declaration
- ✓ Report incidents

Entities requiring approval

Any entities doing final acceptance of cargo/ dangerous goods before it is loaded onto an aircraft

- ✓ Application for Certification
- ✓ Submit MOP with CBTA program
- ✓ Five Phase Process will apply
- ✓ Will be added on the CAA list
- ✓ Ensure declaration for non-DG cargo is given to the operator
- ✓ Keeps all DG Documentation
- ✓ Reject or rescreening in the absence of declaration
- ✓ Report incidents

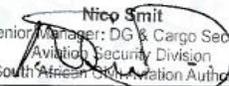


SOUTH AFRICAN CIVIL AVIATION AUTHORITY
CIVIL AVIATION REGULATIONS, 2011, AS AMENDED

CERTIFICATE OF APPROVAL DANGEROUS GOODS

APPROVAL NUMBER:	SACAA.DG.0024/ DGH-ORT-0024
NAME OF HOLDER:	MENZIES AVIATION SA (CARGO) Pty Ltd
TYPE OF ENTITY:	GROUND HANDLER
RADIOACTIVE:	YES
Physical Address of Holder: OR Tambo international Airport SAA Cargo Building ACSA Service Road Kempton Park	Issued at: Centurion, South Africa Expiry Date: 30/09/2026

I, the undersigned, certify that the holder of this certificate has been duly approved in accordance with Part 92 of the Civil Aviation Regulations, 2011.

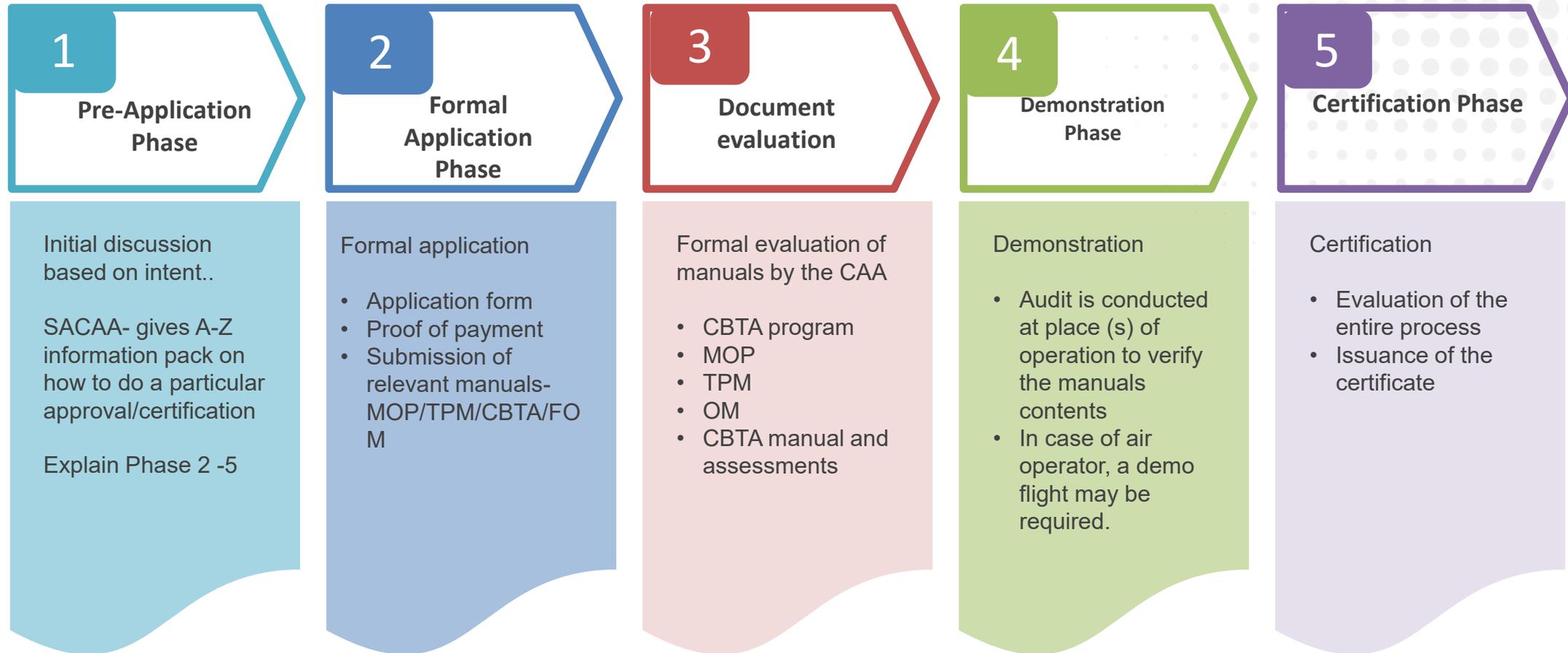

Nico Smit
Senior Manager: DG & Cargo Security
Aviation Security Division
South African Civil Aviation Authority
For Civil Aviation Authority

2025-09-24
Date of issue

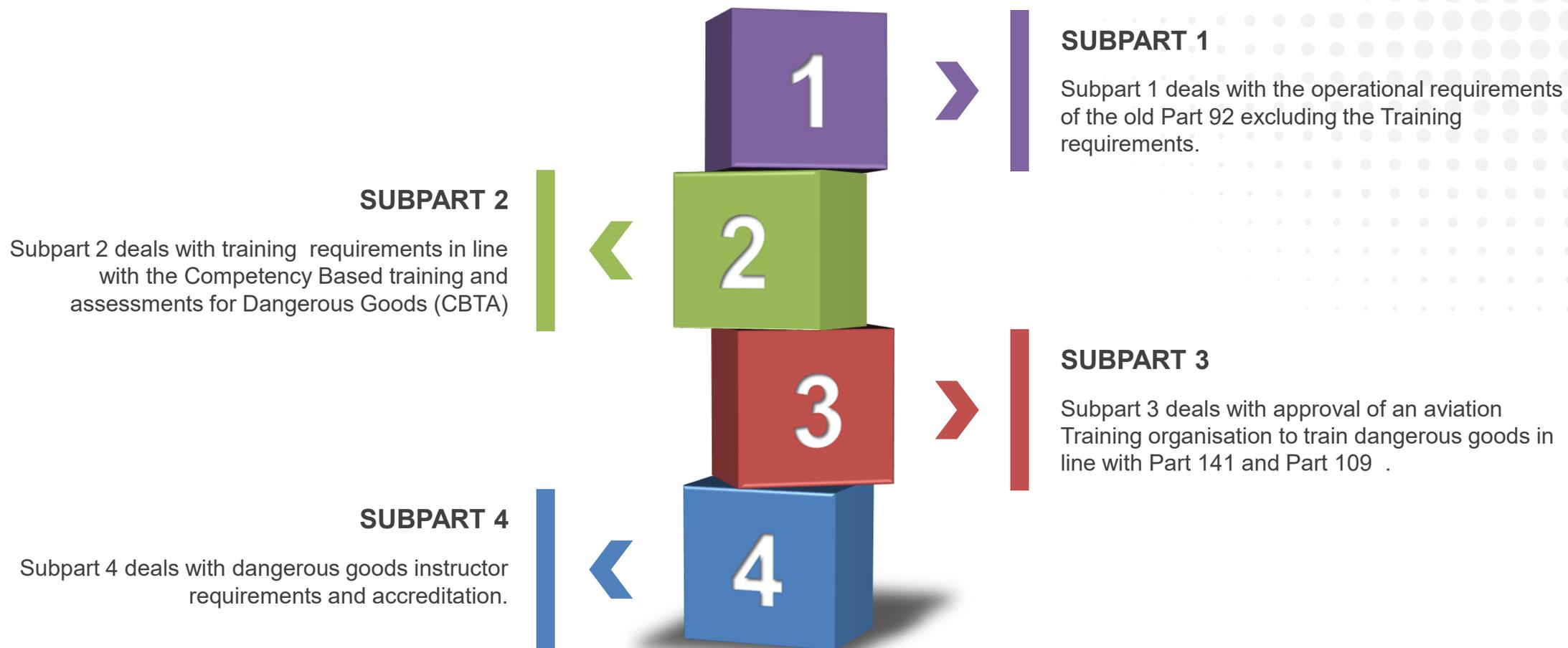
Any person finding this Certificate should return it to the
SOUTH AFRICAN CIVIL AVIATION AUTHORITY
Private Bag X 73
Halfway House
1985

dg 4468

5 Phase Process



P92 Regulation structure



P92 Regulation on Lexus Nexus

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LIST OF REGULATIONS: CONVEYANCE OF DANGEROUS GOODS

SUBPART 1:

GENERAL

- 92.01.1 Applicability
- 92.01.2 Prohibition of conveyance of dangerous goods
- 92.01.3 Exemptions
- 92.01.4 General transport requirements
- 92.01.5 Inspection of dangerous goods by customs and other authorities
- 92.01.6 Usage of Technical Instructions and related manuals
- 92.01.7 Surface Transport
- 92.01.8 Designated body or institution
- 92.01.9 Designation of dangerous goods Inspector
- 92.01.10 Powers of dangerous goods inspector
- 92.01.11 Classification and listing of dangerous goods
- 92.01.12 Packing and packaging

Subpart 1- Operational requirements

1	Applicability has been expanded to include entities which are not operators but are involved in the Dangerous Goods supply chain as per the standard 11 (Annex 18)	92.01.1
2	Addressing the usage of the ICAO Technical Instructions for the safe transport of dangerous goods and the acceptability of the IATA Dangerous Goods Regulations manual	92.01.6
3	Inspection of dangerous goods by customs	92.01.5
4	Operators' compliance with dangerous goods.	92.01.17
5	Requirements for operators with no approval to carry dangerous goods as cargo	92.01.18

Subpart 1- Operational requirements

6	Requirements for operators with specific approval to carry dangerous goods as cargo	92.01.19
7	Additional requirements for Helicopter operators	92.01.21
8	Safety management systems related regulations addressing Risk assessment, cargo compartments in line with Annex 6 –chapter 15 cargo safety requirements	92.01.22-24
9	Transportation of company material (COMAT).	92.01.27
10	Dangerous Goods designated areas within cargo warehouses	92.01.26

Subpart 1- Operational requirements

11

Cargo entities requirements (shippers/couriers/freight forwarders/packers) including approval to handle dangerous goods

92.01.47

12

Requirements for online retailers

92.01.48

13

Detaining of dangerous goods packages pending an investigation

92.01.54

14

Dangerous Goods Security – High consequence dangerous goods

92.01.55

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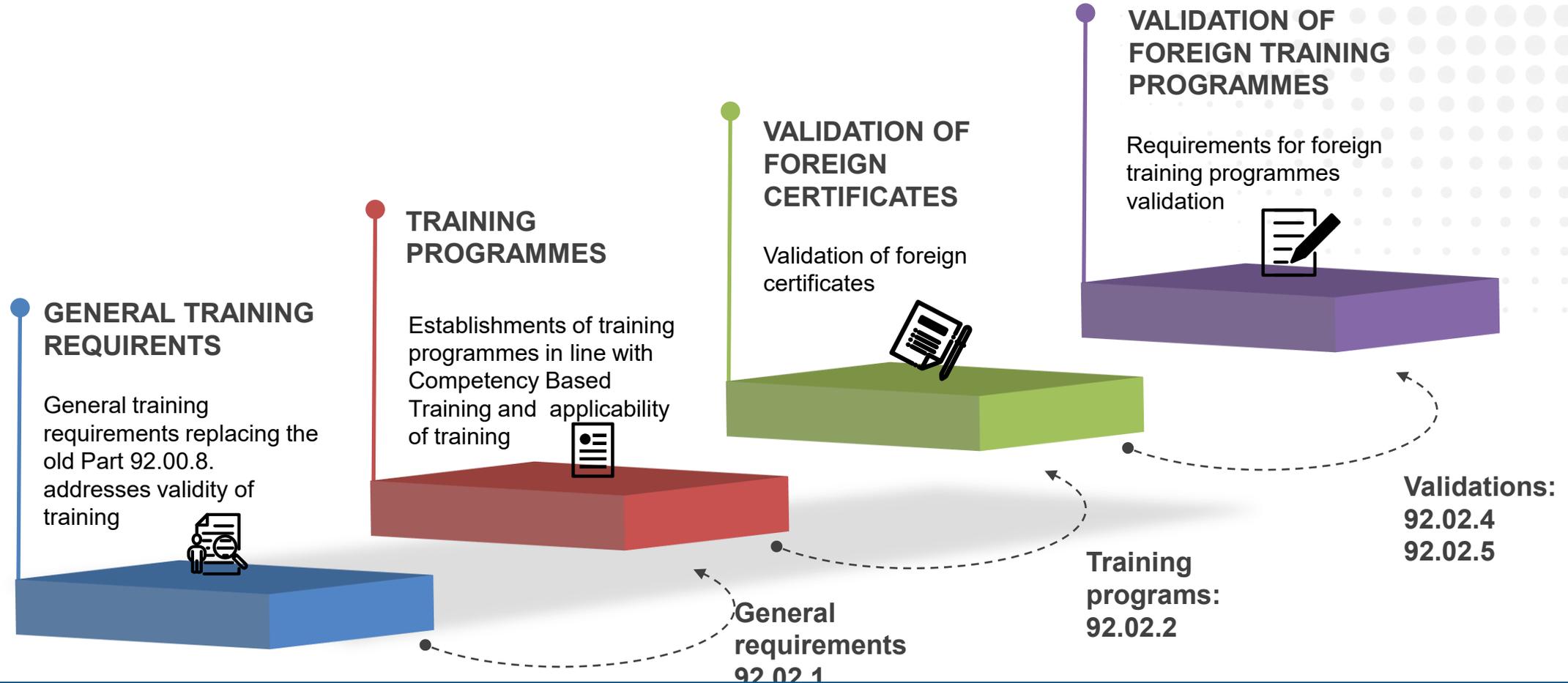
92.01.54

14

Dangerous Goods Security – High consequence dangerous goods

92.01.55

Subpart 2- Training



Subpart 3- Training Organisations



Regulations: Part 92.03.1 to Part 92.03.6

Subpart 4- Instructor accreditation

1

Requirements for accreditation

Requirements for how to become a dangerous goods instructor

3

Validity of the certificate

Validity of the certificates

2

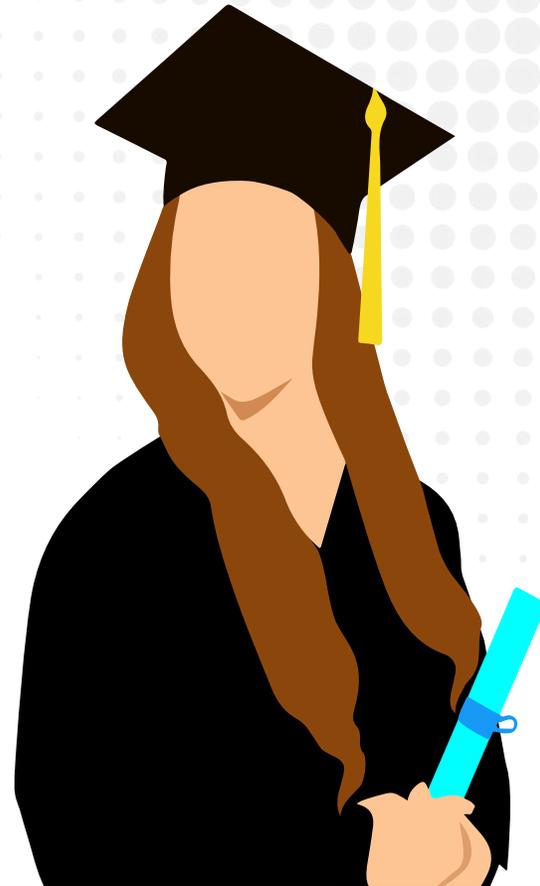
Competency to conduct training

Highlight qualification and competency requirements required

4

Validation of Foreign instructor certificates

Validation of certificates of foreign instructors wishing to conduct dangerous goods training within South Africa.



Regulations: Part 92.04.1 to Part 92.04.5

Who must be certified?

1
A dangerous goods packing organisation within the Republic involved in packing services for dangerous goods conveyed by air.

92.01.47 (10)

2
An air service operator or a cargo handling agent seeking to handle dangerous goods in terms of this Part shall seek approval of the Director as prescribed in Document SA-CATS 92.

92.1.47 (5) (6)

3
An entity dealing with or handling cargo to be conveyed by air shall comply with requirements in Regulation:

92.01.47 (7)

Also see 92.01.47 (1)(2)(3)(4)
(8) (9) (11)

Regulatory considerations

Old	New
Job title-based Table 1.5.A and 1.5.B	Competency Based with well-defined functions New guidance required
Legal Basis- Part 92, CATS, Technical Instructions – IATA DGR	Amendment of regulations to reflect the same changes <ul style="list-style-type: none"> • Consider DOC 10147 • Also check IATA guidance
Training Programme- Operations Manual, Training Procedures Manual, Procedures Manual	Develop guidance to assist industry to comply <ul style="list-style-type: none"> • CBTA training programmes must be developed • Training Manuals must be aligned to CBTA
Knowledge based assessments	Addition of practical /on the job assessment On the Job assessment – programme and assessors
CAA approved Instructors /Category 6	CAA approved Instructors/ advanced proficiency – requires hands on –on the job experience for functions being trained

Role Players



Employer

- CBTA programme requirements
- Application for approval
- Submission for approval

Regulator

- CBTA applicability scope
- CBTA requirements
- Provide TGMs/Checklist/application forms
- Approval of CBTA programmes
- Oversight
- Record keeping

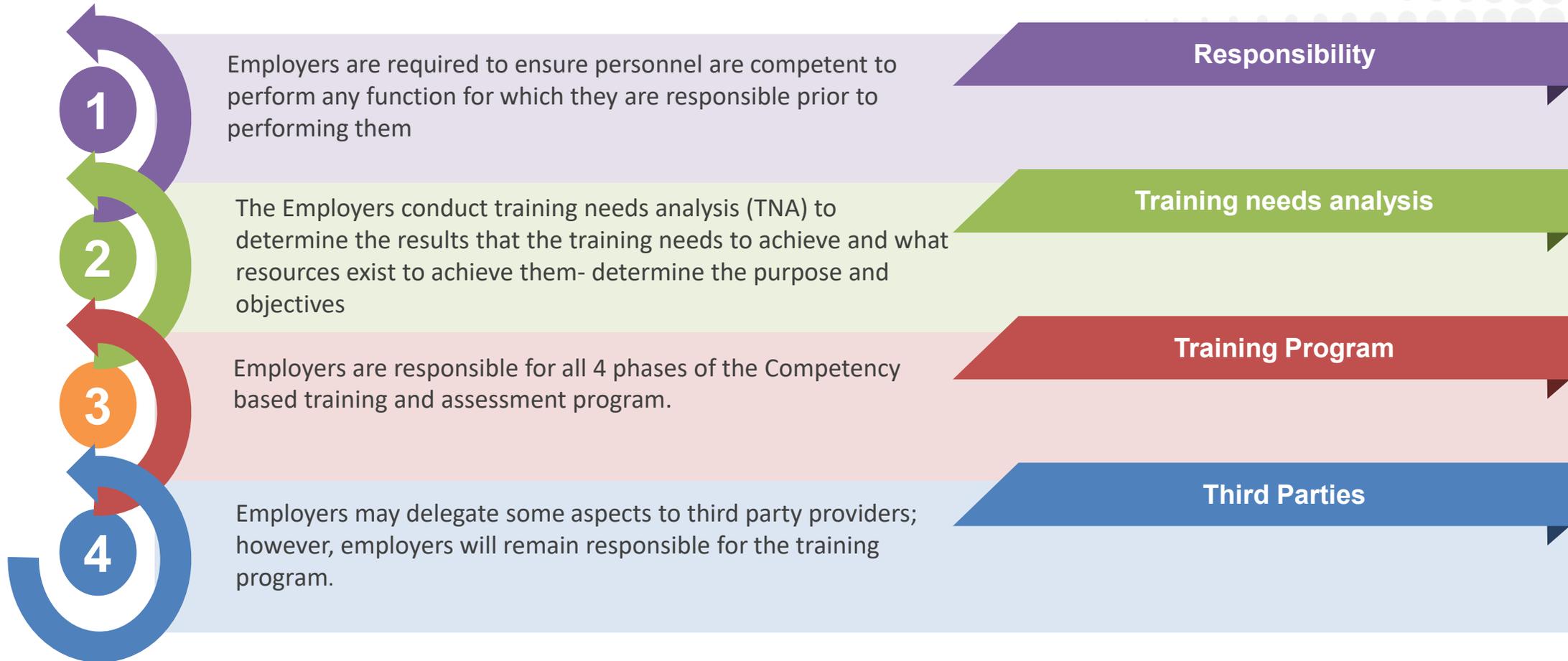
Trainer/instructor

- Qualification requirements
- Accreditation process
- Visit to operations
- Renewal process
- Evaluation feedback

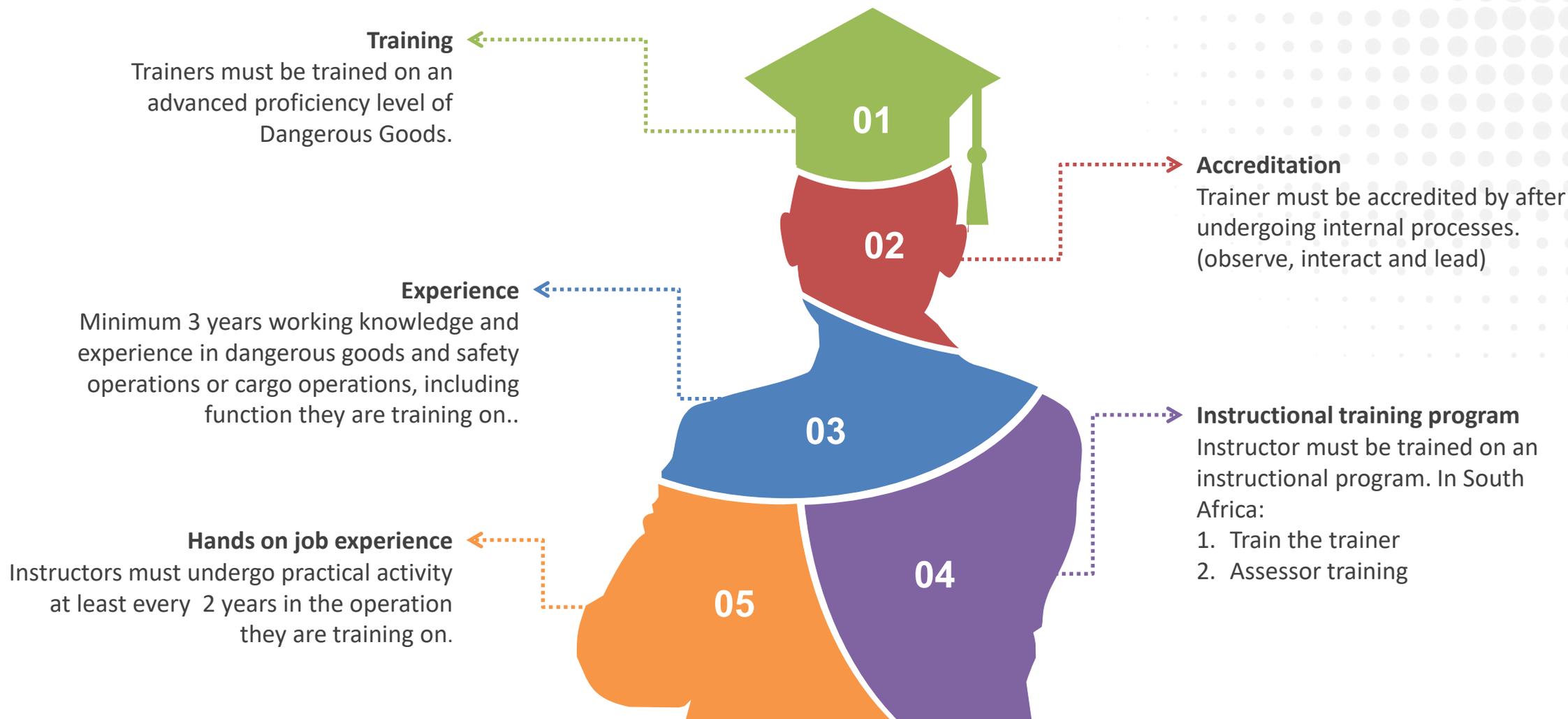
Assessors

- Qualifications
- Competencies
- Accreditation

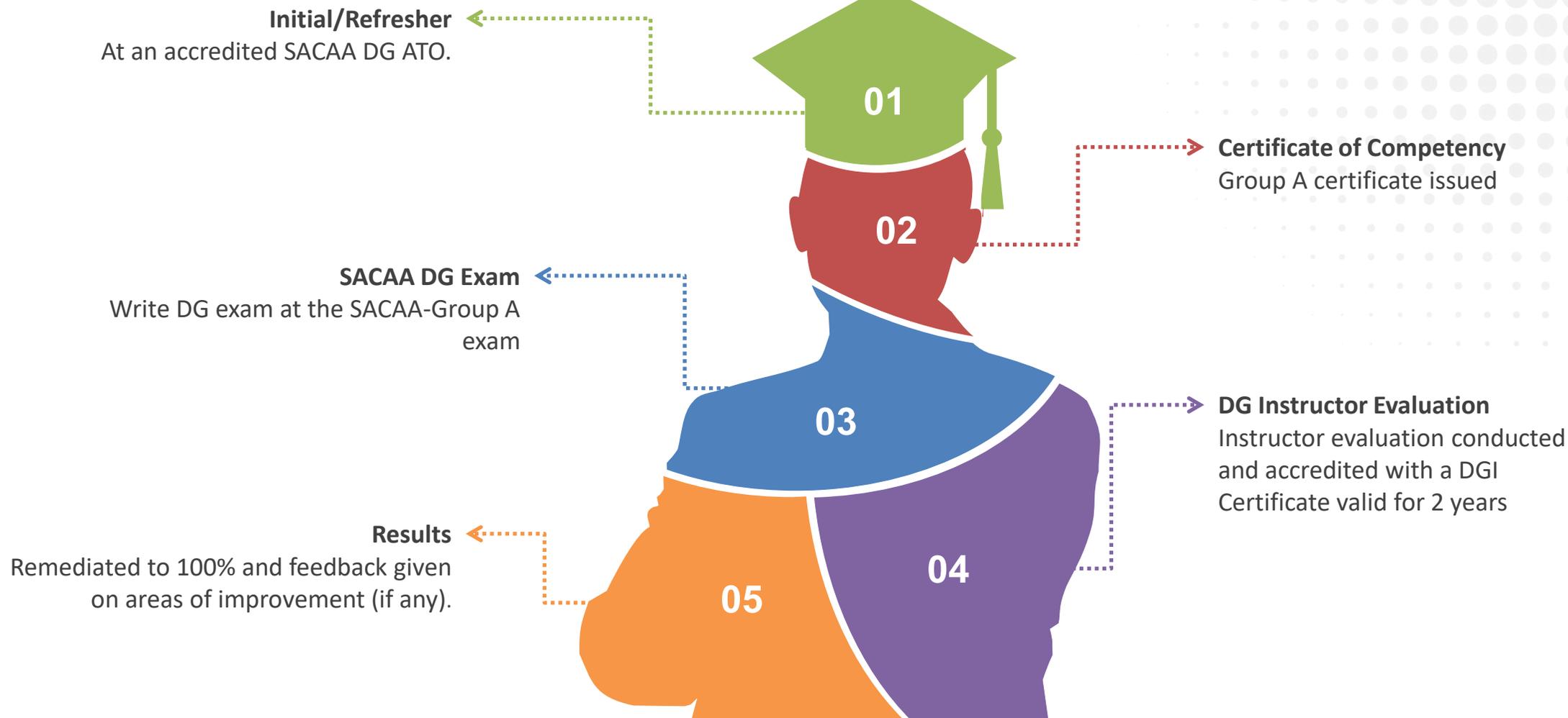
Employer



Trainers/Instructors



Instructor SACAA DG Exam and Accreditation





**SOUTH AFRICAN CIVIL AVIATION AUTHORITY
CIVIL AVIATION REGULATIONS 2011**

SOUTH AFRICAN CIVIL AVIATION AUTHORITY
PRIVATE BAG X73
HALFWAY HOUSE
1685

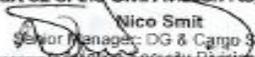
**DANGEROUS GOODS INSTRUCTOR CERTIFICATE
(Part 92)**

INSTRUCTOR CERTIFICATION NUMBER:	SACAA/10983/DGI	ID NUMBER OF HOLDER:	9708090069089
FIRST NAME OF HOLDER:	Keyleigh	SURNAME OF HOLDER:	Nienaber

The above holder of this certificate has been certified to present Dangerous Goods Training Programmes in accordance with the provisions of Part 92 of the Civil Aviation Regulations of 2011

<p>SCOPE OF INSTRUCTOR CERTIFICATION APPROVAL:</p> <p>The instructor's scope is documented in the approval report developed in conjunction with this certificate.</p> <p>This certificate is only valid in conjunction with an approval report. This certificate must accompany the approval report.</p> <p>The instructor may only present Part 92 courses listed in the SACAA report.</p> <p>Dangerous goods training groups approved for:</p> <p>In accordance with IATA, ICAO technical instruction and SACARs Part 92.</p>	Issued at: Centurion	
	Date of Issue:	16 September 2025
	Expiry Date:	16 September 2027

I, the undersigned, certify that the holder of this certificate has been duly certified in accordance with Part 92 of the Civil Aviation Regulations, 2011


 Nico Smit
 Senior Manager: DG & Cargo Security
 Aviation Security Division
 South African Civil Aviation Authority
 ON BEHALF OF THE DIRECTOR OF CIVIL AVIATION

2025-09-29
DATE

Third Parties

1 **Aviation Training Organizations**
Offering Training

2 **ATOs or any independent organisation**
Offering assessment services

May conduct Training and assessments in line with the employer's approved training program



May be contracted to carry out employer responsibilities but a clear contractual agreement must be in place and the SACAA must be informed

Assessors

Employer representative.
E.g., Supervisor

1



Training Organization. E.g.,
Instructors, Designated
examiners

2



Dangerous Goods
Responsible person.

3



Assessor Qualification.

- ✓ Dangerous goods Group A advanced proficiency
- ✓ Knowledge of the operation



Groupings

Group A

DG acceptance personnel/ DG advanced proficiency Level

DG acceptance personnel. DG advanced proficiency level for Instructors/moderators/assessors, etc

Group B

Non-DG cargo acceptance personnel

Non-DG cargo

Group C

Pilots/Load Controllers

Pilots, Load controllers, Flight Dispatch, Flight Operations officer

Group D

Cabin Crew

Cabin Crew

Group E

Passenger handling, baggage handling, security

Check-in, Baggage handlers, Warehouse personnel, security

Group F

Shippers/Packers of dangerous goods

Shippers/packers/freight forwarders/courier personnel

Group G

Shipping of infectious substances

Group H

Lithium batteries

Curriculum guideline

TABLE 3.1
Personnel Responsible for Preparing Dangerous Goods Consignments

Function: Personnel preparing dangerous goods consignments for transport (Personnel classifying dangerous goods for transport is provided simultaneously)		Classifying dangerous goods	Preparing dangerous goods shipment
0	Understanding the basics of dangerous goods	☐	☐
0.1	Dangerous goods applicability	☐	☐
	0.1.1 Understand the definition	☐	☐
	0.1.2 Recognise the legal framework (global, national)	☐	☐
	0.1.3 Identify the application scope	☐	☐
	0.1.4 Differentiate hazard and risk	☐	☐
0.2	Understanding the general limitations	☐	☐
	0.2.1 Develop a sense of forbidden dangerous goods	☐	☐
	0.2.2 Recognise potential hidden dangerous goods	☐	☐
	0.2.3 Familiarise with passenger provisions	☐	☐
0.3	Identifying roles and responsibilities	☐	☐
	0.3.1 Clarify the individual and collective role of the supply chain stakeholders	☐	☐
	0.3.3 Recognise the impact of State & operator variations	☐	☐
0.4	Understanding the importance of classification and packaging	☐	☐
	0.4.1 Identify the general information about classes, divisions	☐	☐
	0.4.2 Understand general principles of packing groups	☐	☐

The Regulator

Authority's internal considerations- Technical Guidance material and procedures

1

The Authority

1. Regulations
2. Technical guidance for Inspectors
3. Policies and Procedures
4. Checklists



2

The industry

1. Technical guidance for the Industry
2. Checklists for the industry
3. Consultations with industry

PROCEDURE

- 1.
- 2.
- 3.



Dangerous Goods in Air Cargo

Operator compliance summary

Operators-Not Endorsed

- ✓ Application for CBTA approval
- ✓ Submit OM DG Section containing CBTA program
- ✓ CBTA Manual and assessments
- ✓ Does not handle dangerous goods
- ✓ Receives cargo with declaration that its not DG.
- ✓ Rejects or request rescreening in the absence of declaration
- ✓ Report incidents

Operators-Endorsed to carry DG

Any entities doing final acceptance of cargo/ dangerous goods before it is loaded onto an aircraft

- ✓ Application for DG approval
- ✓ Submit OM DG Section with CBTA program
- ✓ CBTA Manual and assessments
- ✓ Five Phase Process will apply
- ✓ Ensure declaration for non-DG cargo is given to the operator
- ✓ Keeps all DG Documentation for DG shipments
- ✓ Reject or request rescreening in the absence of declaration
- ✓ Report incidents

Collaborative work

01

DOMESTIC

DANGEROUS GOODS SUPPLY CHAIN TASK GROUP

An initiative by the Department of transport to have all modes of transport regulators involved with the transport of dangerous goods to work together: Rail, Road, Sea and Air.

Aim is to develop a South African standard, share expertise and discuss matters of common interest

02

REGIONAL

DANGEROUS GOODS AFRICA FORUM

An initiative by the SACAA DG Section to coordinate efforts with other CAAs/Authorities in the African Continent. This is done to ensure alignment with the Single African Air Transport Market (SAATM)

03

INTERNATIONAL

ICAO PANEL

1. Member of workgroup dealing with the Technical Instructions supplement
2. Member of the dangerous goods RPAS workgroup

LOCAL

Dangerous goods working group

Discussing papers before going to panel meetings and sharing feedback upon return

QUESTIONS?

THANK
YOU

