



Initiatives and Progress by Department of Transport to create awareness, understanding, promotion and adoption of

SANS/ISO 55000: 2014 - Asset Management System (AMS) and 1393: 2013 Construction Management System (CMS)

Road Maintenance Forum, 17 July 2024



transport

Department:
Transport
REPUBLIC OF SOUTH AFRICA

Overview

- **Part One**

- ✓ Project Scope and Rationale;
- ✓ Linkage of CMS and AMS to Policy, Legislation and Strategy;
- ✓ Conformity Assessments;
- ✓ Certification Options.

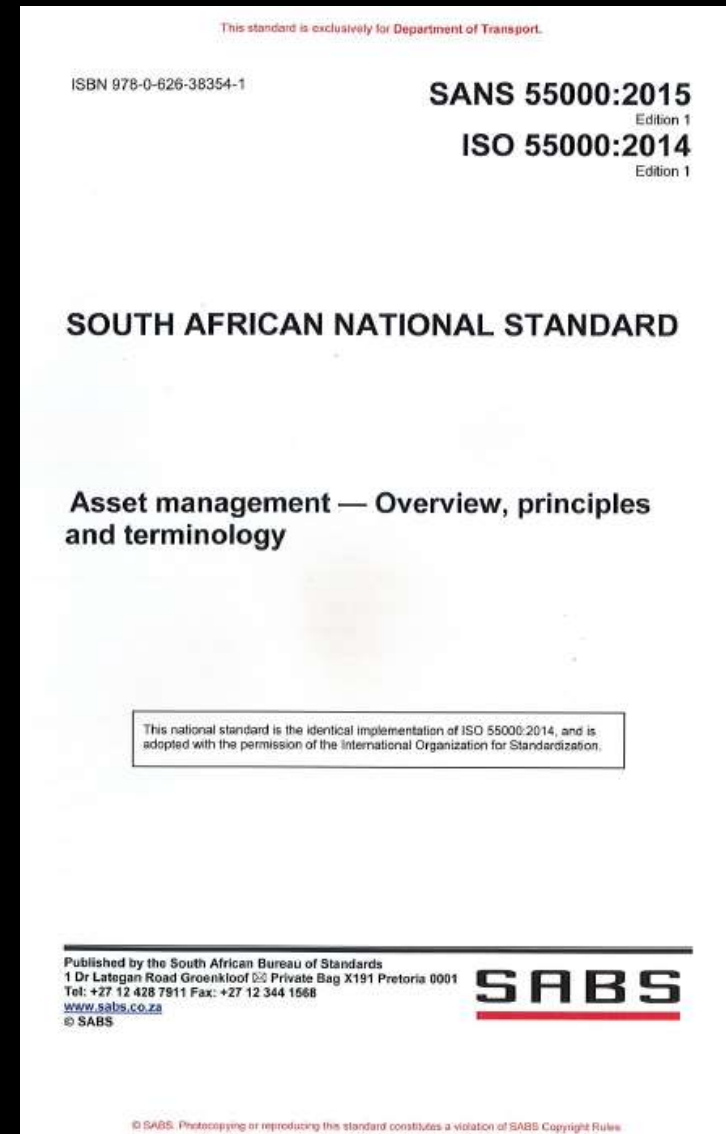
- **Part Two**

- ✓ Technical Information on the CMS and AMS by Dr Rodney Milford (ICCSA Project Team)

- **Recommendations to Industry**

- **Discussions**

SANS 1393 and SANS/ISO 55000 PROJECT



PROJECT SCOPE

- **Development of the criteria for registering of audit/inspection schemes for South African National Standards (SANS1393 and SANS/ISO55000 respectively) 55000, in accordance with ISO 19011, ISO 17021 and ISO 17024 (SANAS and IAF regulations);**
- **conducting provincial workshops to key stakeholders on the SANS1393 and SANS55000;**
- **skills transfer - building technical capacity within the Roads Branch (18 persons):**
 - a) Awareness and understanding the following Legislation - the National Road Traffic Act, the Government Immovable Asset Management Systems Act, the Occupational Health and Safety Act, the National Environmental Management Act; Construction Industry Development Board Act;
 - b) Conformity Assessments;
 - c) Standards Writing;
 - d) Introduction, awareness and understanding of the Quality, Health, Environmental, Safety, Construction Management and Asset Management System Standards;
 - e) Management System Auditing (Lead Auditor Training) for SANS 1393 and SANS 55000 in accordance with ISO 19011, ISO 17021 and ISO 17024 (SANAS and IAF regulations) and Writing Technical Audit Reports;
 - f) TMH22 COTO Road Asset Management Manual and GFMAM Competency Specification for an ISO 55001 Asset Management System Auditor / Assessor Manual; and
 - g) a capacitation programme for at least 5 members of the team (18 persons) to be put through to programme to develop competency as SANAS approved Technical Assessors.

PROJECT RATIONALE

- ❑ The risks associated with not using SANAS Accreditation Schemes to regulate Government Departments, Road Authorities and Agencies are detrimental to achieving the NDP goals and compliance to applicable policies, legislation, etc.
- ❑ Build capacity within the Road Infrastructure sector, beginning at the Roads Branch, to improve the monitoring and evaluation (inspecting/assessing/auditing skills), including the creation of “ambassadors” to promote awareness and understanding to stakeholders on the value / need for adoption and implementation of these standards.
- ❑ In the near future, CIDB Registered Contractors (*Grade Five plus*) will be require “pre-tender” certification to SANS 1393 Construction Management System, which is based on recognisable industry standards covering:
 - Health and safety;
 - Quality management; and
 - Environmental management (covering air, water, land, and waste).
- ❑ Government stands to achieve “value for money’ through implementation of CMS, whilst contractors can:
 - achieve excellence; and
 - achieve efficiency in delivering their projects.
- ❑ The SANS/ISO 55000 supports compliance to requirements of the Government Immovable Asset Management Act (GIAMA Act 17 of 2007), which is applicable to a range of Government Infrastructure Departments / organizations, such as Road Authorities, Public Works, Health, Educations, etc. In essence, SANS 55000 is a standard covering management of physical assets owned by Government. The standard is split into three parts:
 - Part 1 - Specification for the optimized management of physical infrastructure assets;
 - Part 2 - Guidelines for the application; and
 - Part 3 - Guidance on the alignment of financial and non-financial functions in asset management, whilst
 - Part 4 - is under Development - Guidance for the development and application of public policy to enable asset management

PROJECT DELIVERABLES

No	Description
1	Inception report.
2	Report on the criteria for registration of the Schemes and proof of submission for registration of the schemes.
3	Report and detailed evidence of the skills transfer sessions.
4	Workshop material.
5	Conduct provincial workshops and provide detailed reports / evidence thereof.
6	Project Closure Report

Skills Transfer Sessions Unpacked

BID SPECIFICATION

- **building capacity within the Roads Branch:**
 - a) **Awareness and understanding the following Legislation - the National Road Traffic Act, the Government Immovable Asset Management Systems Act, the Occupational Health and Safety Act, the National Environmental Management Act; Construction Industry Development Board Act;**
 - b) **Conformity Assessments;**
 - c) **Standards Writing;**
 - d) **Introduction, awareness and understanding of the Quality, Health, Environmental, Safety, Construction Management and Asset Management System Standards.**
 - e) **the TMH22 COTO Manual and the GFMAM Competency Specification for an ISO 55001 Asset Management System Auditor/Assessor Manual;**
 - f) **Management System Auditing (Lead Auditor Training) for SANS 1393 and SANS 55000 in accordance with ISO 19011, ISO 17021 and ISO 17024 (SANAS and IAF regulations) and Writing Technical Audit Reports; and**
 - g) **a capacitation programme for at least 5 members of the team to be put through to programme to develop competency as SANAS approved Technical Assessors.**

Sessions (a) to (e) = prep for (f) to (g)

OFFER BY SUCCESSFUL BIDDER – B.A.C. ACCEPTED & APPROVED

- a) National Infrastructure Asset Maintenance and Management Framework (NIAMM)
- b) Conformity Assessments
- c) Standards Writing
- d) Awareness and Understanding of Construction Management Systems (CMS) and Asset Management Systems (AMS) Legal
- e) Hazard identification Risk Assessment (HIRA)
- f) ISO 31000 Risk Management
- g) ISO Integrated Management System (IMS); ISO/IEC 9001/14001 & 45001 (QMS, EMS, OHS) Introduction, Awareness and Understanding
- h) Anti-Bribery Management System (ABMS) SANS 1734:2016 Implementation
- i) SANS 1393 CMS Implementation
- j) ISO/SANS 55001 AMS Implementation
- k) TMH22- COTO Road Asset Management Manual
- l) ISO/IEC 10013:2021 Guidance for Documented Information
- m) ISO/SANS 55001 AMS Lead Auditor and Technical Audit Report Writing
- n) SANS 1393 CMS Lead Auditor and Technical Audit Report Writing
- o) Technical Assessor Course

Value Add = assistance with applications for auditor / assessor SAATCA registration

Skills Transfer Outputs

- What is an International and National Standard?
- Who develops and publishes Standards?
- Regulation of Standards?
- Compulsory and Voluntary Standards?
- Accreditation Bodies?
- Conformity Assessments?
- Conformance Assessment (Certification) Bodies?
- Inspection and Testing?
- Product Certification?
- Company Certification?
- Person Certification?
- Management System Certification?
- Calibration?
- International and National Standard **VS** compulsory specifications
- **VS** Norms, Technical Manuals & Guidelines?
- Inspections and Compliance Auditing?



Further Reading:

- International Websites - www.iso.org;
- South African Websites: (www.sabs.co.za); (www.nrccs.co.za); (www.nmisa.org); (www.sanas.co.za); (www.saatca.co.za)

SANS 1393 Construction Management System – linkage to policy & legislation

BOARD NOTICES • RAADSKENNISGEWINGS

BOARD NOTICE 163 OF 2015

Construction Industry Development Board

**cidb Best Practice Contractor Recognition Scheme:
Best Practice: Construction Management Systems**

In terms of sections 5(2) of the Construction Industry Development Board Act, 2000 (Act No. 38 of 2000) (the Act), the Construction Industry Development Board is empowered to promote best practice Standards. In terms of the CIDB Best Practice Contractor Recognition System, the Board has identified the following as best practices for contractor enterprises in Grades 5 to 9:

- a) certification to SANS ISO 9001 Quality Management System, SANS ISO 14001 Environmental Management Systems and SANS OHSAS 18001 Occupational Health and Safety Management System; or
- b) certification to SANS 1393 Construction Management System.

SANS ISO 9001, SANS ISO 14001, SANS OHSAS 18001 and SANS 1393 are available from the South African Bureau of Standards.



In terms of the CIDB Best Practice Contractor Recognition System, the Board has identified certification to SANS 1393 Construction Management System as best practices for contractor enterprises in Grades 5 to 9.

- SANS 1393 specifies requirements for a construction management system (CMS) to be used for construction work.
- A CMS is a framework of processes and procedures used by an organization to better control its construction risks and to improve its performance.
- Such management systems play a very important role in promoting performance improvement and in delivering better value to clients

CONSTRUCTION INDUSTRY DEVELOPMENT BOARD ACT

NO. 38 OF 2000

[View Regulation]

[ASSENTED TO 13 NOVEMBER, 2000]
[DATE OF COMMENCEMENT: 1 DECEMBER, 2000]

(English text signed by the Acting President)

This Act has been updated to Government Gazette 26311 dated 28 April, 2004.

as amended by

Prevention and Combating of Corrupt Activities Act, No. 12 of 2004
[with effect from 27 April, 2004]

ACT

To provide for the establishment of the Construction Industry Development Board; to implement an integrated strategy for the reconstruction, growth and development of the construction industry and to provide for matters connected therewith.

Preamble.—WHEREAS the construction industry plays an indispensable role in the South African economy in providing the physical infrastructure which is fundamental to the country's development;

WHEREAS the construction industry experiences instability and interconnected structural problems which are associated with the declining demand in recent decades, the volatile nature of the demand and the consequent shedding of labour;

WHEREAS the construction industry operates in a uniquely project-specific and complex environment, combining different investors, clients, contractual arrangements and consulting professions; combining different site conditions, design, materials and technologies; combining different contractors, specialist subcontractors and the workforce assembled for each project;

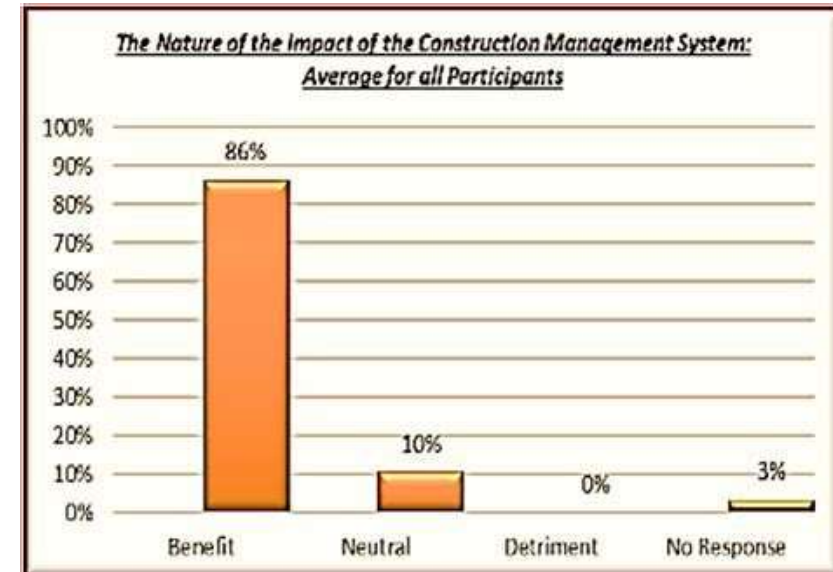
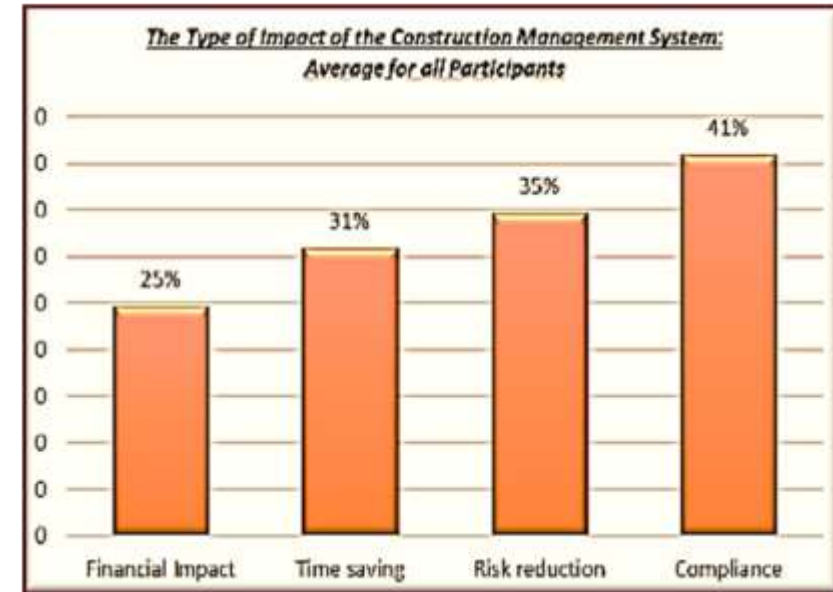
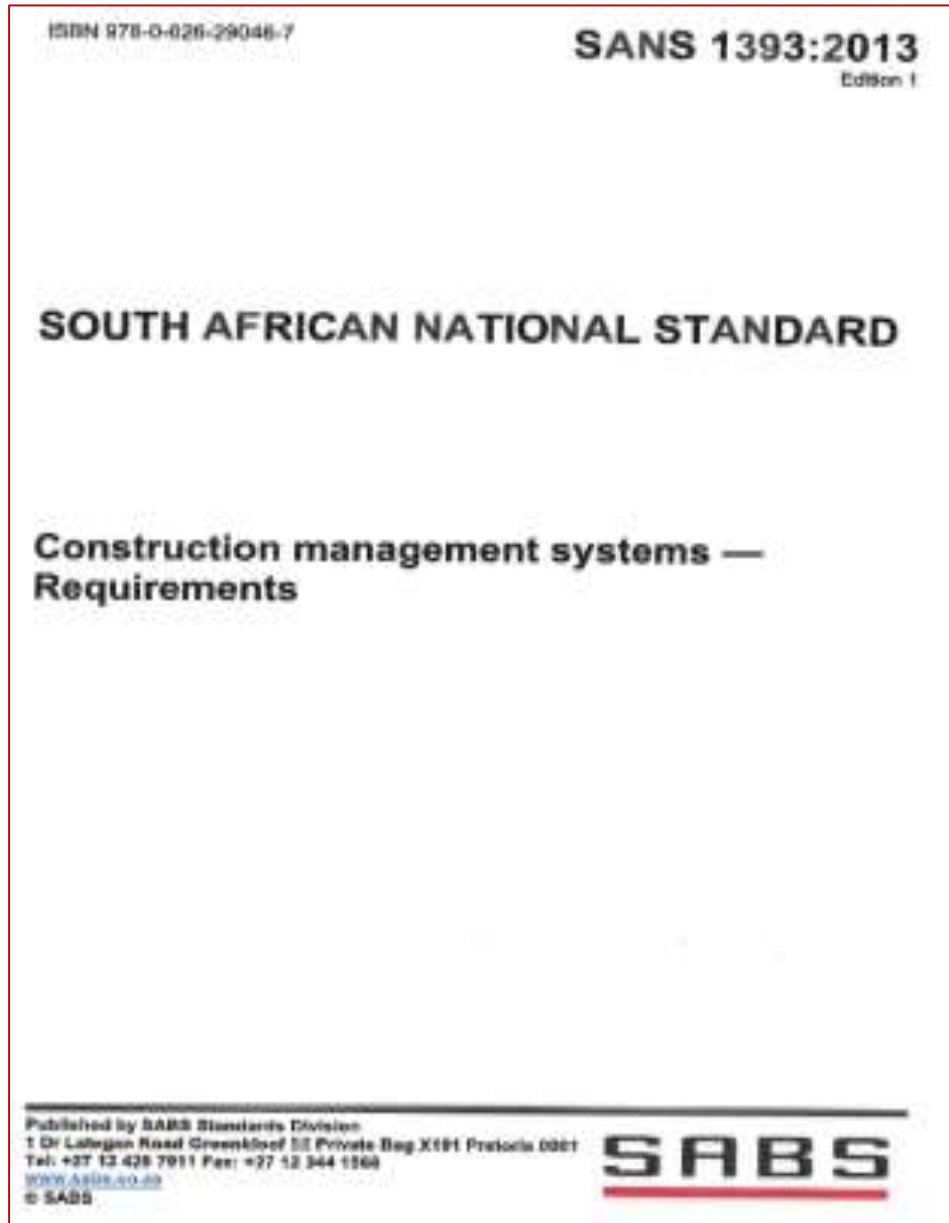
WHEREAS the development of the emerging sector is frustrated by its inability to access opportunity, finance and credit as well as vocational and management training;

WHEREAS investment in physical infrastructure is constrained and there is a need to promote effective public sector spending and private sector investment and to interpret investment trends;

WHEREAS the construction industry impacts directly on communities and the public at large and its improved efficiency and effectiveness will enhance quality, productivity, health, safety, environmental outcomes and value for money to South African society;

WHEREAS the specialised and risk-associated nature of construction places an onus on the public sector client to continuously improve its procurement and delivery management skill in a manner that promotes efficiency, value for money, transformation and the sustainable development of the construction industry;

SANS 1393 Construction Management System – linkage to policy & legislation



Road Asset Management System – linkage to policy & legislation

(English text signed by the President.)
(Assented to 22 November 2007.)

ACT

To provide for a uniform framework for the management of an immovable asset that is held or used by a national or provincial department; to ensure the coordination of the use of an immovable asset with the service delivery objectives of a national or provincial department; to provide for issuing of guidelines and minimum standards in respect of immovable asset management by a national or provincial department; and to provide for matters incidental thereto.

BE IT ENACTED by the Parliament of the Republic of South Africa,
as follows:—

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Definitions

1. In this Act, unless the context otherwise indicates—	30
“accounting officer” means, in relation to a national or a provincial department, a person mentioned in section 36 of the PFMA and includes any person acting as the accounting officer;	

- ❑ The GIAMA provides for the management of an immovable asset that is held or used by a national or provincial department; to ensure the co-ordination of the use of an immovable asset with the service delivery objectives of a national or provincial department.
- ❑ Section 4(2) of GIAMA provides that *“a custodian acts as a caretaker in relation to an immovable asset of which it is the custodian is subject to section 18, liable for any action or omission in relation to an immovable asset of which it is the custodian, excluding an act or omission in good faith.”*
- ❑ Furthermore, Section 13(1)(d) of GIAMA provides that “the accounting officer of a custodian must, for all immovable assets for which that custodian is responsible, ensure that all activities that are associated with common law ownership are executed, including:
 - i. managing an immovable asset throughout its life cycle;
 - ii. assessing the performance of the immovable asset;
 - iii. assessing the condition of the immovable asset at least every fifth year;
 - iv. identifying the effect of the condition of the immovable asset on service delivery ability;
 - v. determining the maintenance required to return the immovable asset to the state in which it would provide the most effective service;
 - vi. estimating the cost of the maintenance activities identified”

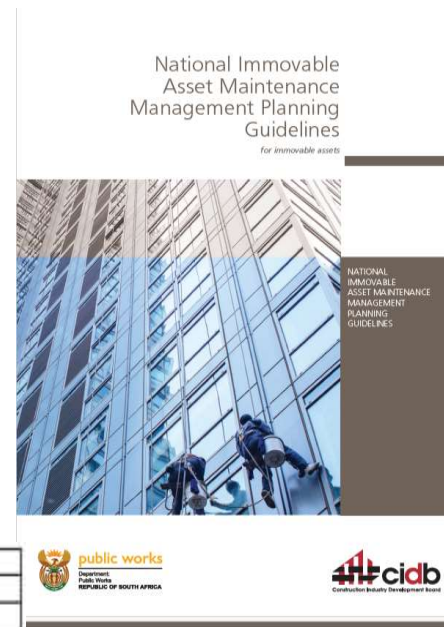
Road Asset Management System – linkage to policy & legislation

DIVISION OF REVENUE BILL

*(As introduced in the National Assembly (proposed section 76); explanatory summary of Bill published in Government Gazette No. 45025 of 17 February 2020)
(The English text is the official text of the Bill)*

(MINISTER OF FINANCE)

Rural Roads Asset Management Systems Grant	
Transferring department	• Transport (Vote 40)
Grant schedule	• Schedule 5, Part B
Strategic goal	• Ensure efficient and effective investment in municipal roads through development of road asset management systems (RAMS), collection and analysis of data
Grant purpose	• To assist district municipalities to set up rural RAMS, and collect road, bridges and traffic data on municipal road networks in line with the Road Infrastructure Strategic Framework for South Africa
Outcome statements	• Improved data on municipal roads to guide infrastructure maintenance and investments
Outputs	<ul style="list-style-type: none"> • Road condition data (paved and unpaved) as per prescribed Technical Methods for Highways (TMH-series) • Traffic data • Data on condition of structures (including bridges and culverts) as per prescribed Technical Methods for Highways (TMH 19 series) • Borrow Pit Management data • Safety assessments data • Prioritised project list for roads to inform Municipal Infrastructure Grant project selection
Priority of government that this grant primarily contributes to	• Priority 5: Spatial integration, human settlements and local government
Details contained in the business plan	<ul style="list-style-type: none"> • This grant uses Road Asset Management Plans (RAMPs)/business plans which contain the following details: <ul style="list-style-type: none"> ○ network hierarchy ○ performance management framework ○ gap analysis ○ information systems ○ lifecycle planning ○ current and future demand ○ financial plan ○ monitoring ○ reviewing ○ plans for continual improvements including sharing data with local municipalities



Framework for Infrastructure Delivery and Procurement Management

May 2019

Effective Date: 01 October 2019



TRANSPORT GRANTS

Provincial Roads Maintenance Grant	
Transferring department	• Transport (Vote 40)
Grant schedule	• Schedule 4, Part A
Strategic goal	• To ensure efficient and effective investment in provincial roads to implement the Road Infrastructure Strategic Framework for South Africa in line with the S'hamba Sonke Road programme and other related road programmes
Grant purpose	<ul style="list-style-type: none"> • To supplement provincial investments for road infrastructure maintenance (routine, periodic and special maintenance) • To ensure that all roads are classified as per the Road Infrastructure Strategic Framework for South Africa and the technical recommendations for highways, and the road classification and access management guidelines • To implement and maintain road asset management systems • To supplement provincial projects for the repair of roads and bridges damaged by unforeseen incidents including natural disasters • To improve road safety with a special focus on pedestrian safety in rural areas
Outcome statements	<ul style="list-style-type: none"> • Improve the condition and lifespan of provincial roads and level of service backed by a periodic five-year review of the road network conditions <ul style="list-style-type: none"> ○ improved rates of employment and community participation through labour-intensive construction methodologies and skills development through the delivery of roads infrastructure projects
Outputs	• Network condition assessment and determination of priority projects list from the road asset management systems

Road Asset Management System – linkage to policy & legislation

National Immovable
Asset Maintenance
Management Planning
Guidelines
for immovable assets



NATIONAL
IMMOVABLE
ASSET MAINTENANCE
MANAGEMENT
PLANNING
GUIDELINES



National Infrastructure Maintenance Strategy (NIMS)

Infrastructure Maintenance Budgeting Guideline



national treasury

Department:
National Treasury
REPUBLIC OF SOUTH AFRICA

Annexure A

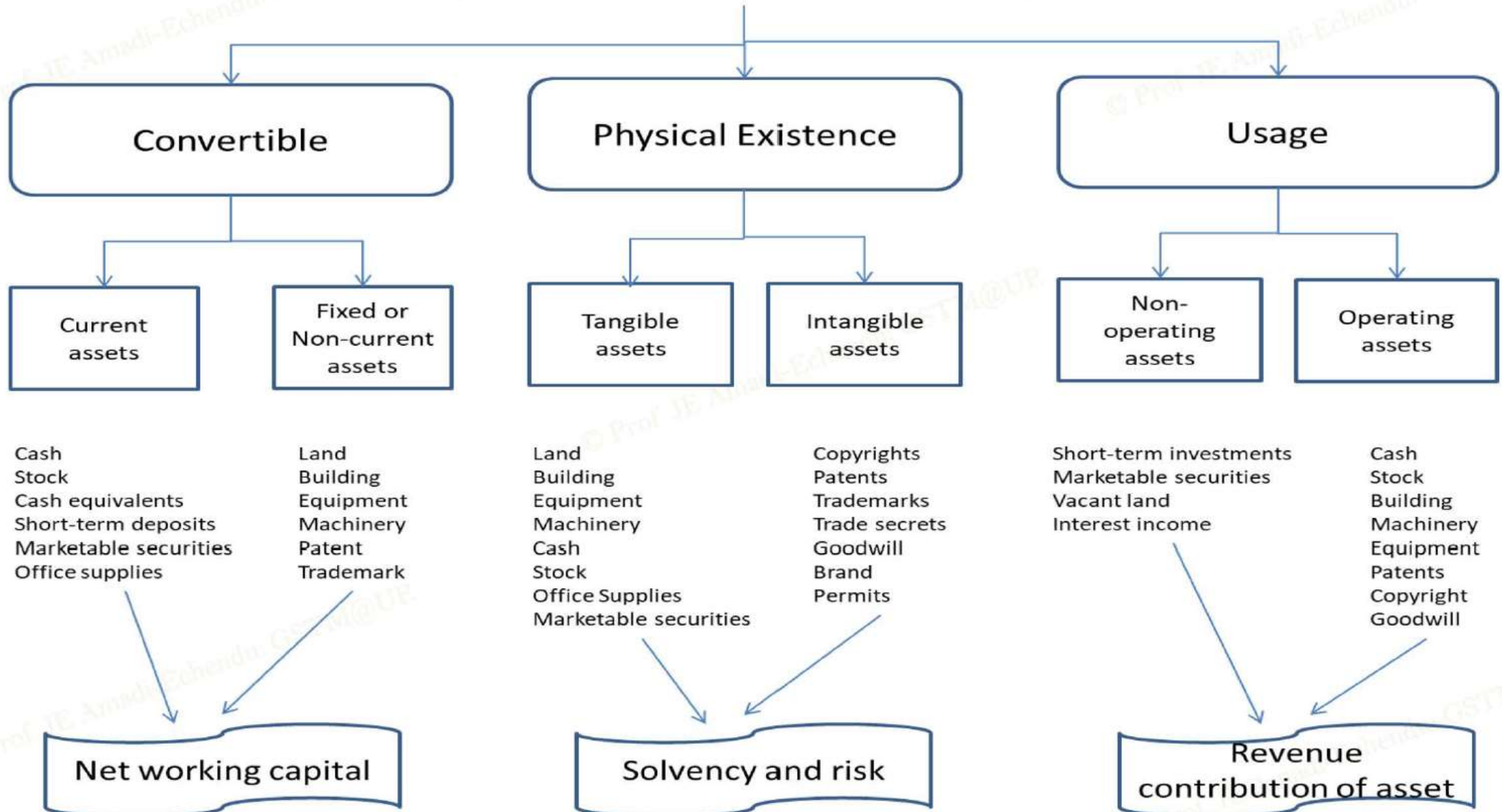
Framework for Infrastructure Delivery and Procurement Management

May 2019

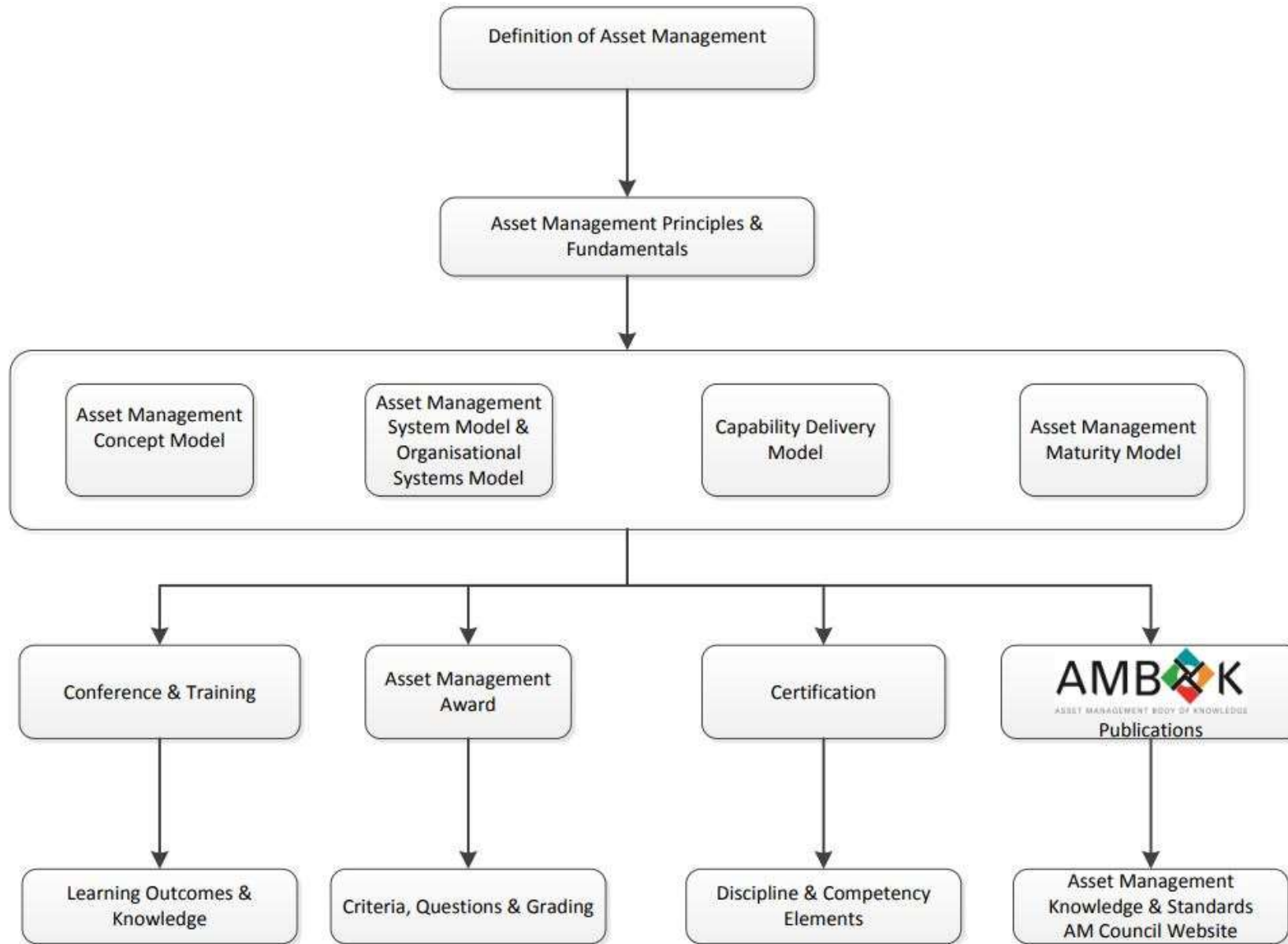
Effective Date: 01 October 2019

International Accounting Standards Board (IASB)

IASB Classification of Assets



Asset Management Body of Knowledge (AMBoK)



- The Asset Management Body of Knowledge (AMBoK) is the technical base of the Asset Management Council.
- A Body of Knowledge represents the sum of core information in an area of expertise.
- For the Asset Management Council, AMBoK is a collection of models, definitions and associated content that describes the profession of asset management.
- While it is important that the AMBoK is documented, it is also important that it can be communicated and applied to advance the understanding of asset management within the community.

The ISO 55000 family / set of International Standards for Asset Management includes:

- **ISO 55000 Asset Management - Overview, principles and terminology**
Introduces the critical concepts and terminology needed to develop a long-term plan that incorporates an organisation's mission, values, objectives, business policies and stakeholder requirements.
- **ISO 55001 Asset Management – Requirements**
Specifies the requirements for the establishment, implementation, maintenance and improvement of an asset management system.
- **ISO 55002 Asset Management - Guidelines on the application of ISO 55001**
Provides guidance for the application of an asset management system, in accordance with the requirements of ISO 55001.
- **ISO 55010 Guidance on the alignment of financial and non-financial functions in asset management**
is a guideline to support organizations aiming to achieve alignment across the financial and non-financial functions of asset management



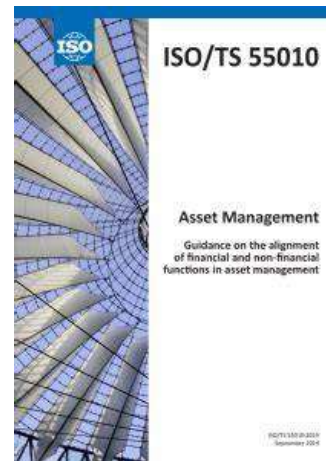
ISO 55000: 2014 –Overview, Principles, and Key Terms in Asset Management – **WHY**



ISO 55001: 2014 –Asset Management: Management Systems Requirements – **WHAT**



ISO 55002: 2014 –Guidelines for Implementation of ISO 55001 – **HOW**



Alignment intended to improve internal control as part of an organization's management system



ISO/SANS 55000 Asset Management System – linkage to policy & legislation



Draft TMH 22

ROAD ASSET MANAGEMENT MANUAL

March 2013

Committee of Transport Officials


TMH 22 - CONTENT



The Road Asset Management Technical Manual (TMH22):

- provides a template, guidance and methodologies on the manner in which road infrastructure assets should be managed;
- establishes a uniform and integrated system on which the asset conditions are collected and reported on, to ensure an equitable funding distribution, so that the maintenance and rehabilitation of the road infrastructure is ensured;
- covers the following aspects:
 1. the benefit to the roads authority relating to asset management;
 2. a brief description of the policies and requirements of the Road Authority in terms of current legislation;
 3. the various levels of asset management and the minimum levels required;
 4. processes and methodologies for higher levels or more advanced asset management;
 5. guidance for the implementation of the Road Asset Management System;
 6. guidance for the development of inventory data and asset valuations;
 7. requirements for the collection of usage and condition data and time intervals thereof;
 8. methodologies for the reporting on the condition of the assets;
 9. methodologies for the determination of the maintenance and rehabilitation requirements of the road network; and Identification for the ongoing improvement of the road authorities' Asset Management System.

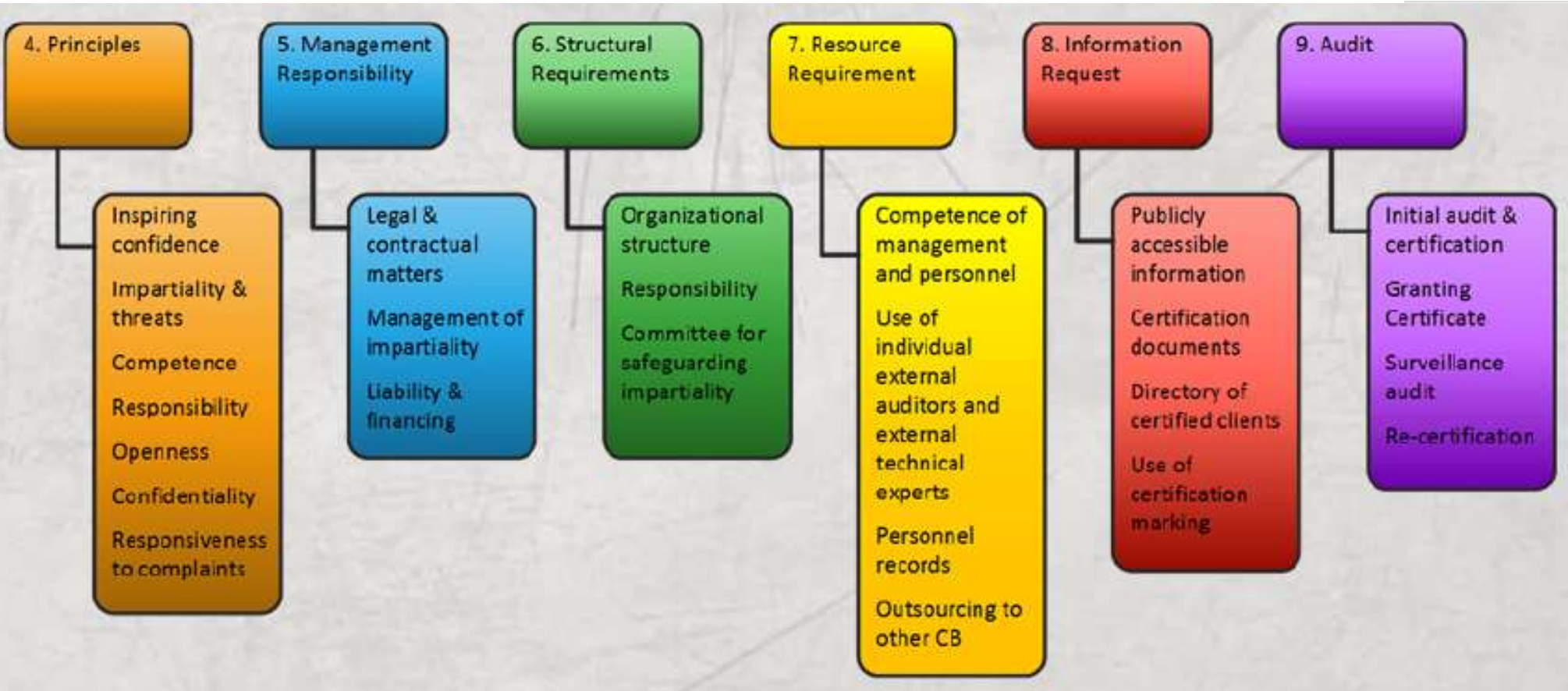
Conformity Assessments - Auditing and Certification of Management Systems

	TYPE OF AUDIT		
	INTERNAL AUDITS	EXTERNAL AUDITS	
	FIRST PARTY	SECOND PARTY	THIRD PARTY
	ISO 19011	ISO 19011	ISO IEC 17021
STANDARD	<ul style="list-style-type: none"> Guidelines for auditing management systems 	<ul style="list-style-type: none"> Guidelines for auditing management systems 	<ul style="list-style-type: none"> Conformity assessment — Requirements for bodies providing audit and certification of management systems
Why Audit?	<ul style="list-style-type: none"> Organizations audit themselves. 	<ul style="list-style-type: none"> Customers audit their suppliers. Regulators and other interested parties audit organizations. 	<ul style="list-style-type: none"> Certification bodies and regulators audit organizations.
Who can do <ul style="list-style-type: none"> Audits? Certification Technical Assessment 	<ul style="list-style-type: none"> In South Africa – Certification Bodies (CB) must be approved by SANAS Technical Assessors (TA) review and advice SANAS on CB applications. Alternatively there are internationally recognised organisations to SANAS. The Certification Body is duty bound to appoint “competent auditors” i.e. one who has appropriate Knowledge/Skills/Experience (Subject Matter Expert) to do audits; ISO9011 & ISO17021 specifies the full requirements; In South Africa – Auditors can be registered with SAATCA or at an another locally SANAS approved body or an internationally recognised similar Organisation All parties listed above should be affiliated with the International Accreditation Form (IAF); 		

Conformity Assessments - Auditing and Certification of Management Systems

ISO 17021: 2014 – Conformity assessment: Requirements for bodies providing audit and certification of management systems.

Part 5: Competence requirements for auditing and certification of asset management systems



TECHNICAL SPECIFICATION
ISO/IEC TS 17021-5
First edition 2014-04-01

Conformity assessment — Requirements for bodies providing audit and certification of management systems —
Part 5: Competence requirements for auditing and certification of asset management systems
*Évaluation de la conformité — Exigences pour les organismes procédant à l'audit et à la certification des systèmes de management —
Partie 5: Exigences de compétence pour l'audit et la certification des systèmes de gestion d'actifs.*

Conformity Assessments - Certificate Issuers and Certification of Persons

- ❑ **There are two types of personnel credentialing accreditations**
 - **one for Conformity Assessment Bodies (CAB) or Certification Bodies (CB); and**
 - **one for Certificate Issuers.**
- ❑ a **Personnel Certification Body** is an organization that **awards credentials** to individuals meeting **specific competence requirements** relating to a profession, an occupation, a job or a portion of a job. A personnel certification body **develops criteria** against which an **individual needs to demonstrate competencies** and ensures that these criteria are held by applicants before certifying them.
- ❑ most personnel certification bodies offer professional certification if an individual meets requirements such as a minimum number of years of **related working experience**, minimum **education level** and having passed a **certification exam or equivalent**.
- ❑ the South African National Accreditation System (SANAS) is the only national body responsible for carrying out accreditations in respect of conformity assessment
- ❑ many personnel certification bodies are **accredited** by accrediting bodies to the **ISO/IEC 17024 standard**, which was designed to harmonize the personnel certification process worldwide. Accreditation means having gone through a validation process or assessment from a national accreditation body e.g. **SANAS** in South Africa

Conformity Assessments - Certificate Issuers and Certification of Persons

	Management System Conformance Assessment Body (CAB) or Certification Body (CB) <i>(ISO/IEC 17024 accredited)</i>	Statutory Bodies or Councils <i>(Legislated Bodies)</i>	Professional Bodies and/or NPOs <i>(Private Sector schemes)</i>
Examples	<p><u>within South Africa</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> by South African National Accreditation System (SANAS) <ul style="list-style-type: none"> ✓ Southern African Auditing and Training Certification Authority (SAATCA) <p><u>outside South Africa</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> by World Accreditation Systems (WAS) <ul style="list-style-type: none"> ✓ Standard Efficient Registrar ✓ Union Assessment Board ✓ Joint Implementation Commission Experts <input type="checkbox"/> The United Kingdom Accreditation Service (UKAS) www.ukas.com <input type="checkbox"/> American National Standards Institute (ANSI) National Accreditation Board (ANAB) https://anab.ansi.org/ <input type="checkbox"/> Joint Accreditation System of Australia and New Zealand (JAS-ANZ) https://isoglobal.com.au/certification-bodies-in-australia 	<ul style="list-style-type: none"> ✓ South African Council for the Architectural Profession (SACAP) ✓ Engineering Council of South Africa (ECSA) ✓ South African Council for the Landscaping Architectural Profession (SACLAP) ✓ South African Council for the Property Valuers Profession (SACPVP) ✓ South African Council for Project & Construction Management Professions (SACPCMP) ✓ South African Council for the Quantity Surveying Profession (SACQSP) 	<ul style="list-style-type: none"> ✓ iRAP ✓ Global Alliance for Project Professions (GAPPS) ✓ Project Management Institute (PMI) ✓ Project Management South Africa (PMSA) ✓ World Partners in Asset Management (WPiAM) ✓ Southern African Asset Management Association (SAAMA)

NOTE

- There are two types of personnel credentialing accreditations, one for Certification Bodies and one for Certificate Issuers.
- a "Person Certification" Statutory Body or Council is established through legislation, that provides such certification
- a Management System Conformance Assessment Body for "Person Certification" is accredited by a legislated "Accreditation Body)
- A certification scheme from such a body would likely involve setting professional standards, assessing individuals against these standards, and providing certification to those persons who meet the criteria. This helps to ensure professionalism and competence in the field.
- Specific details about which statutory body's certification scheme can be found on their websites
- World Accreditation Systems (WAS) is an Independent, International Accreditation Body (AB). World Accreditation Systems (WAS) is an Independent, International Accreditation Body (AB). World Accreditation Systems (WAS) is an Independent, International Accreditation Body (AB).

Options Available – Asset Management Certification



Accreditation for Conformity Assessment, Calibration and Good Laboratory Practice Act (Act No.19 of 2006)

Private Sector: Professional Body / Voluntary Association

NEW SCHEMES PROUDLY BROUGHT TO YOU BY THE SOUTHERN AFRICAN AUDITORS & TRAINING CERTIFICATION AUTHORITY

Auditor Certification is Conferred at the Following Grades:

- Provisional Auditor
- Internal Auditor
- Auditor
- Lead Auditor

SAATCA Auditor Schemes:

The SAATCA auditor certification schemes have been developed to provide confidence to the regulatory authorities, accreditation bodies and certification bodies, to business and industry, and indirectly to the public at large that Auditors certified to the SAATCA schemes are competent and provide a credible and accountable auditing process to:

- Product Certification Auditors Scheme
 - Agriculture
 - Automotive
 - Project Management
 - Quality Indication Mark Auditors
 - Veterinary Export
 - Wool
- Road Traffic - ISO 39001
- Road Transport - SANS 1395-1
- Medical Devices - QMS - ISO/SANS 13485
- Business Continuity - ISO 22301
- Information Security - ISO/IEC 27001
- Energy Management - ISO 50001
- Legal Compliance - ISO 37301:2021
- Construction Management - SANS 1393
- Asset Management - ISO 55001

SAATCA NEW SCHEMES

For more information visit the SAATCA website or Scan the QR-Code:

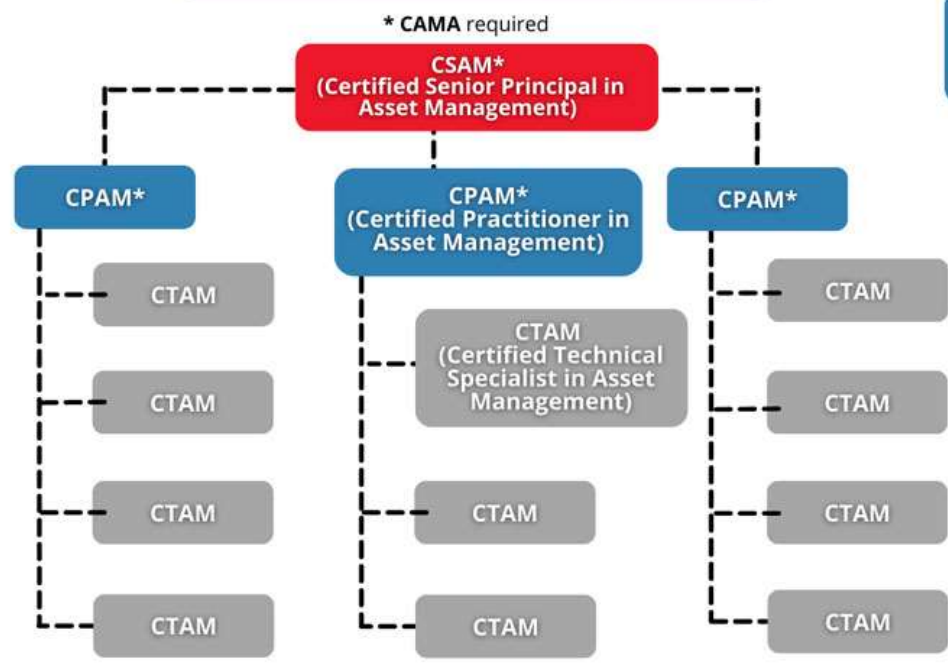
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"Raising Business Confidence"



SAAMA Professional Designations



CSAM: Leader of a multi-disciplinary team responsible for the design, establishment, ongoing improvement and management oversight of the application of the integrated AM Framework at an asset-intensive organisation

CPAM: Leader of a team responsible for the design, establishment, ongoing improvement and management oversight of the application of a domain of AM that is a significant part of an organisation's overall AM Framework.

CTAM: Professional, technician or tradesperson responsible for implementing specific and essential activities in a domain of AM in the context of the organisation's overall AM Framework

CPD Requirements:
 CTAM Minimum total of 120 hours over 3 years in at least two (2) of the categories
 CPAM Minimum total of 150 hours over 3 years in at least two (2) of the categories
 CSAM Minimum total of 180 hours over 3 years in at least three (3) of the categories

CAMA Examinations:
 The "Certified Asset Management Assessor" (CAMA) certification establishes an individual's credentials in asset management knowledge and comprehension, globally. This multiple choice exam is based on ISBN978 0 9871799 3 7 GFMAM ISO55001 Auditor Assessor Specification. The WPIAM develops, maintains, and administers the exam.

Illustrative diagram showing structural example of designations

- **Level 1:** Certified Senior Principal in Asset Management (CSAM™)
- **Level 2:** Certified Practitioner in Asset Management (CPAM™)
- **Level 3:** Certified Technical Specialist in Asset Management (CTAM™)

Person Certification (under the banner of SANAS & IAF Regulations)



Southern African Auditor and Training
Certification Authority

Construction Management Systems Auditors Criteria

CRT 6.27 CMS Auditor

AUTHORIZATION

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Authorized by	SAATCA Scheme Committee
Approved by	SAATCA Board  Chairman: James Jordaan
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Southern African Auditor and Training
Certification Authority

Asset Management Systems Auditors Criteria

CRT 6.28 AMS Auditor

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NPO, based in South Africa, recognised by thedti and only organization in South Africa that holds SANAS accreditation against ISO 17024 for Certification of Persons who conduct (certification audit of Standards / Management System Auditors).