

Workshop on the Implementation of a National Quality Assurance Framework for Official Statistics in countries of the Africa Region

Addis Ababa, Ethiopia, 14-18 October 2019

Implementation of a South African national quality assurance framework throughout the NSS

Improving statistical processes throughout the NSS

Portia Molalagotla-South Africa
16 October 2019



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Background - The objective of a functioning SANSS is to address the

Information
gap



Quality
gap

Capacity



**SASQAF -
Improvement of
Quality through
technical
support**



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SASQAF



To address the quality gap you need to measure and improve the existing level of quality



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Quality statistics

Quality is generally accepted as ‘fitness for purpose’ and this implies an assessment of an output with specific reference to its intended objectives.

Official statistics’ definition is statutory – see Statistics Act [No. 6 of 1999]

Official statistics are statistics designated as official statistics by the Statistician-General within the provisions of the Statistics Act

National statistics’

National statistics are statistics not designated as official Statistics by the Statistician-General



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SASQAF?

SASQAF codifies quality (9 dimensions), is a two-fold functioning tool for quality.

- Guide in assurance of quality and improvement of processes
- evaluate the quality of statistics produced by organs of state

Organs of state are advised to use SASQAF as a tool to assure and improve the quality of their statistical production system



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South African Statistical Quality Assurance Framework (SASQAF) 9 Dimensions

Credible information on indicators will be obtained through SASQAF

Indicators (idct) Standards (std)



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SASQAF identifies

9

dimensions of quality



Each dimension has associated quality indicators, standards and benchmarks.

Chapter 1: Prerequisites of quality

1.1 Description

The prerequisites of quality refer to the institutional and organisational conditions that have an impact on data quality. It defines the minimum set of necessary conditions that have to be met in order to produce good quality statistics. It therefore serves as the foundation on which all other dimensions of data quality should be premised on.

1.2 Key components

- Legal and institutional environment (including Memoranda of Understanding (MoUs) or Service Level Agreements (SLAs))
- Privacy and confidentiality
- Commensurability of resources
- Quality as the cornerstone of statistical work

1.3 Quality indicators, standards and benchmarks

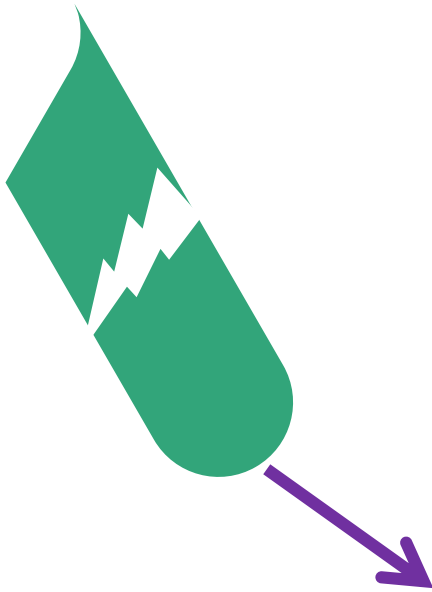
Indicator	Standards	Assessment Levels			
		Quality Statistics Level 4	Acceptable Statistics Level 3	Questionable Statistics Level 2	Poor Statistics Level 1
1.1 The responsibility for producing statistics is clearly specified.	1.1.1 A legal arrangement exists that explicitly mandates the production of statistics.	A law or legal arrangement exists that explicitly provides the mandate for the production of statistics.	A law or legal arrangement exists that implies that statistical production is part of its mandate.	No law or legal arrangement exists, but an informal agreement exists for statistical production.	No arrangement exists.



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Data quality is measured and improved across all 9 basic steps of the GSBPM (Statistical value Chain)

Hence quality requirements are build upon the GSBPM



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Quality Management & Metadata Management

1 Need	2 Design	3 Build	4 Collect	5 Process	6 Analyze	7 Disseminate	8 Archive	9 Evaluate
1.1 Determine need for information	2.1 Outputs	3.1 Data collection instrument	4.1 Set up collection	5.1 Standardize	6.1 Acquire ancillary information	7.1 Update output systems	8.1 Manage archive repository	9.1 Gather inputs for audit
1.2 Consult & confirm information requirements	2.2 Frame and sample methodology	3.2 Process components	4.2 Run collection	5.1 Classify and code	6.2 Calculate aggregates	7.2 Produce products	8.2 Preserve data and associated metadata	9.2 Prepare audit report
1.3 Establish output objectives	2.3 Tabulation Plan / Variables	3.3 Configure workflows		5.2 Load data into processing environment	6.3 Prepare draft outputs	7.3 Produce "Quality Statement."	8.3 Dispose of data and associated metadata	9.3 Quality plan
1.4 Check data availability	2.4 Data collection	3.4 Test end-to-end		5.3 Integrate data	6.4 Validate	7.4 Manage release of products		
1.5 Prepare business case	2.5 Statistical processing methodology	3.5 Finalise production systems		5.4 Edit and impute	6.5 Describe and explain	7.5 Market and promote products		
	2.6 Define archive rules	3.6 Draw sample		5.5 Derive new variables	6.6 Disclosure control & Anonymise	7.6 Manage customer queries		
	2.7 Processing systems and workflow			5.6 Calculate weights	6.7 Finalize outputs for dissemination			
	2.8 Detailed project plan							

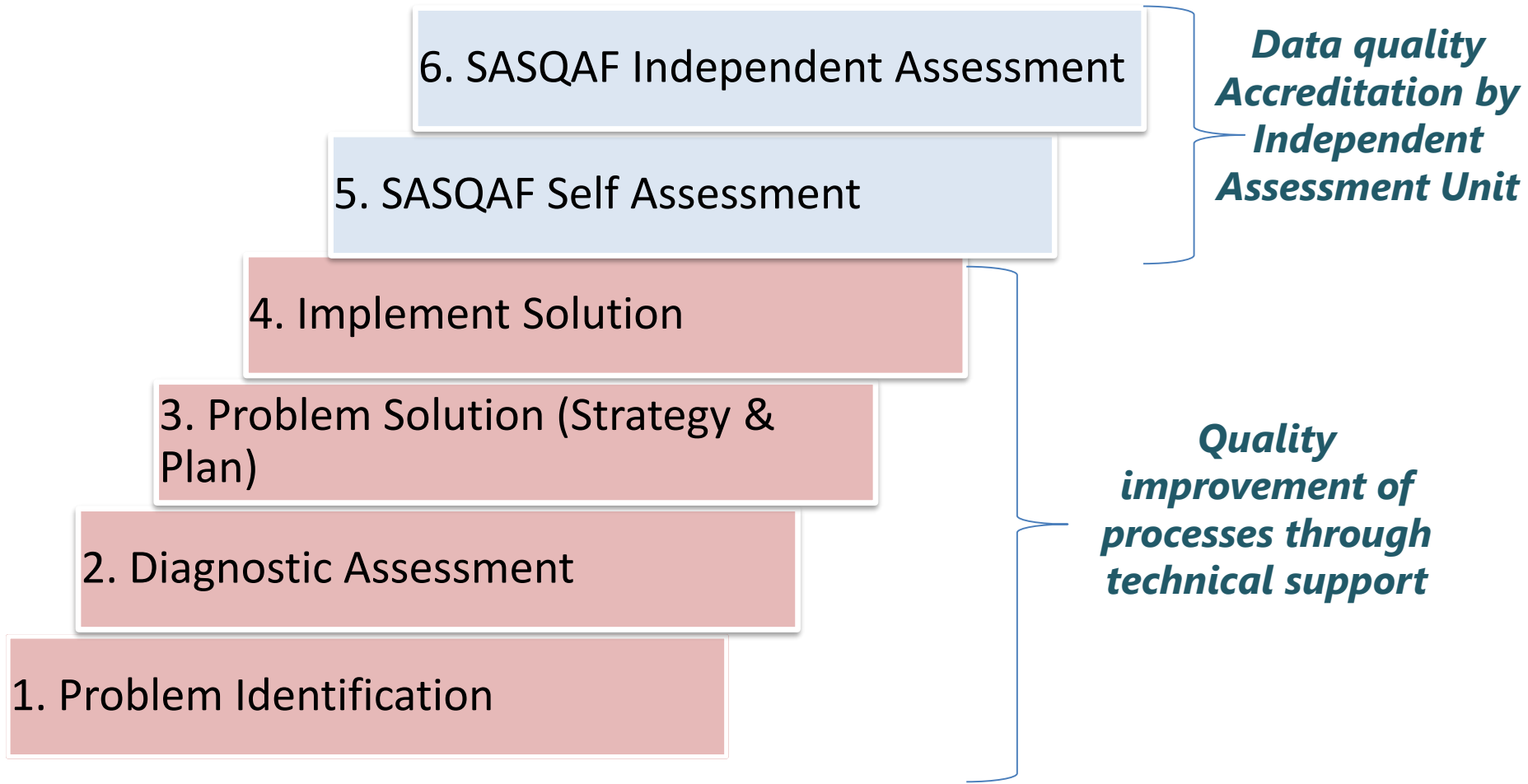


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SANSS Phases Of Engagement



Example of completed mapping template

Department of Justice and Constitutional development

Phases (SVC)	Sub-processes	Quality dimension	Quality indicators	Standard and findings	Stats SA recommendations
Need	Determine need for information	1.Prerequisites of quality	1.1 The responsibility for producing statistics is clearly specified.	1.1.1 A legal arrangement exists that explicitly mandates the production of statistics ✓ Older Persons Act 13 of 2006 ✓ Children’s Act 38 Of 2005 ✓ Child Justice Act 75 of 2008	Acceptable, the legislation available is adequate for the department to gather and produce court/criminal statistics in the country.
Design	Design outputs (questionnaire)	8.Methodological soundness	8.1 Concepts, definitions, and classifications used follow accepted standard, guidelines or good practice (national, international, peer agreed)	8.1.1 The concepts and definitions must satisfy accepted standards, guidelines or good practice in line with national, international and peer agreed norms and must be documented	Develop Concepts and Definitions (C&D) manual for all statistical programs of the department. This will go a long way in ensuring that all definition and concepts in use are standardised.

Types of Technical Support

- SASQAF Training
- Diagnostic process (Walk in session)
- Capacity building on related GSPBM processes (electronic devices)
- Identification of data gaps if any
- Recommendations on improvement required
- Development of implementation strategy
- Support during implementation (setup the team of experts – e.g IT experts)
- Etc.,



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Outputs of Technical Support



Mapping report



Diagnostic report



Implementation plan



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Country example

Diagnostic Assessments of Police Stations in NW/NC/LP

Study Tours to Mexico/US/UK

Draft policy

2012

MoU signed

Development of the committees

2015

Policy approved

Self assessment

2017

2011

Establishment of the task team

2013

Review of Crime Counting Rules and Margin of error

2014/15
2015/16

SG's remarks to the Crime publications

+ 2018

Independent assessment of Crime Stats

ICCS implementation



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Thank you



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