



**United
Nations**

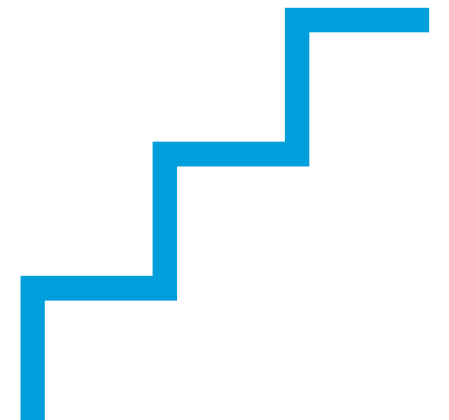
DESA
Statistics Division

Session 2.1: Self-assessment based on the UN NQAF checklist, group and review panel discussion

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Workshop on the Implementation of a National Quality Assurance Framework for Official
Statistics in Countries of the Latin American and Caribbean Region

Bogota, Colombia, 22-24 November 2023



Self-assessment checklist

- Self-assessment checklist based on the UN Quality Assurance Framework contained in the Manual
- For conducting regular and rigorous quality assessment with the objective to identify improvement actions
- Also be used to provide an initial assessment for learning purposes or to introduce staff to quality assurance
- Can be used to draft quality assurance framework



19 Principles
87 Requirements
356 Elements to be assured (good practices)

NQAF scoring system

Assessment of compliance with the United Nations National Quality Assurance Framework (2019)						
<p>Instructions: Assess the degree of compliance for each of the requirement and describe strengths/weaknesses, include other comments. For each of the requirements you can refer to the detailed list of elements to be assured (please, use the link next to the requirement). All requirements are applicable. The only case where "not assessed" can be used, is if there is a not enough information. In this case a special note is displayed in the summary of the assessment saying that the assessment is not fully complete.</p>						
Degree of compliance:		Full compliance				
		Partial compliance				
		No compliance				
		Not assessed				
				Assessment		
Level	Principle	Requirement	Elements to be assured	Compliance	Specify strengths, weaknesses, other comments	
A	Managing the statistical system	1 Coordinating the national statistical system	1,1 A statistical law establishes the responsibilities of the members of the national statistical system including its coordination. Its members are identified in a legal or formal provision.	click		
			1,2 There are a body and mechanisms for the coordination of the national statistical system for activities at the local, national, regional and international level.	click		
			1,3 There is a mechanism for considering statistics produced outside the national statistical system, and if appropriate, for these statistics to become official.	click		
			1,4 There is a national plan or program for the development and production of official statistics.	click		

<https://unstats.un.org/unsd/methodology/dataquality/tools/>

NQAF scoring system - Example

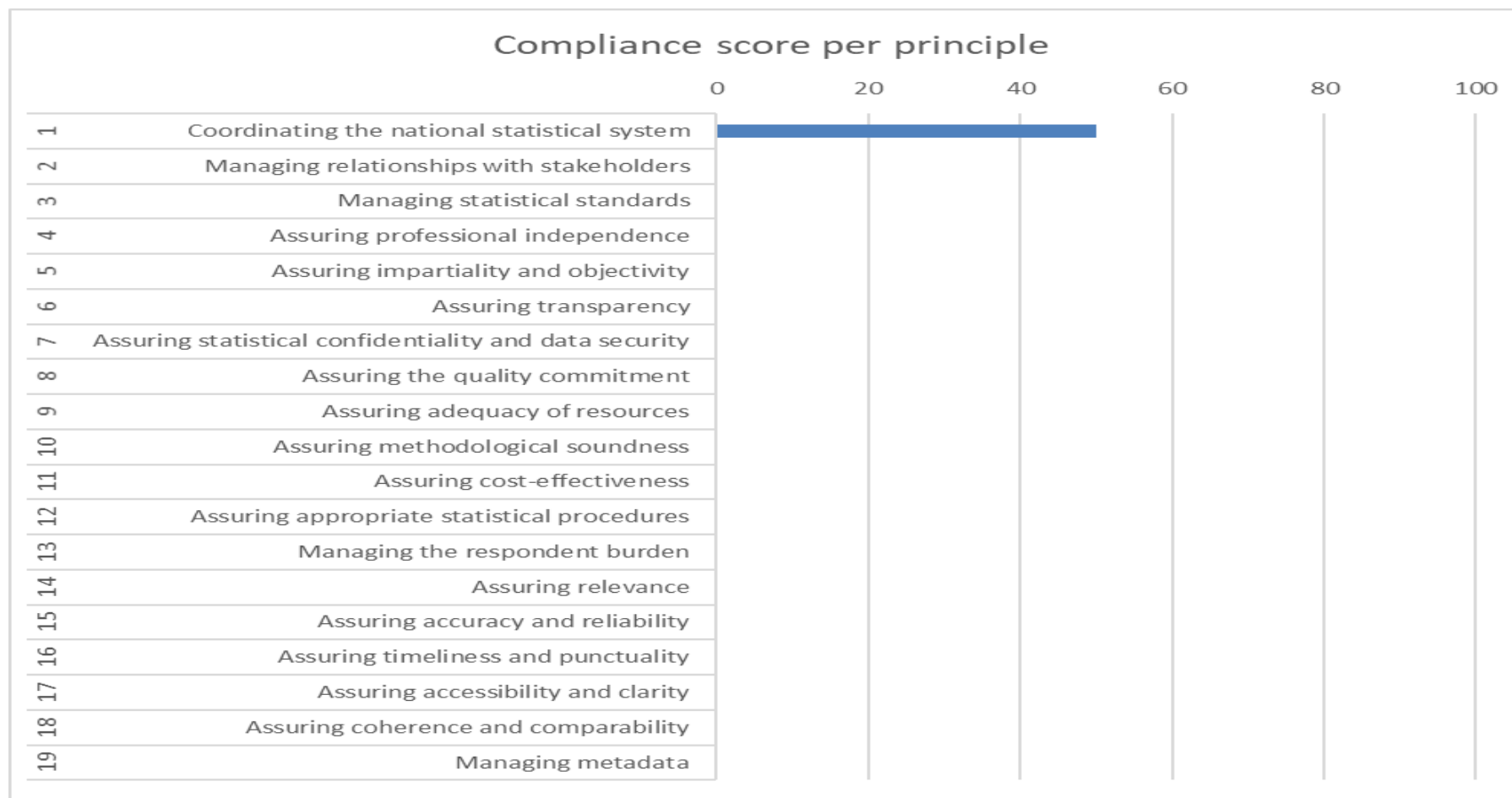
Principle	Requirement	Elements to be assured	Compliance	Specify strengths, weaknesses, other comments	
1 Coordinating the national statistical system	1,1	A statistical law establishes the responsibilities of the members of the national statistical system including its coordination. Its members are identified in a legal or formal provision.	click	Partial compliance	Law establishes responsibilities but not members
	1,2	There are a body and mechanisms for the coordination of the national statistical system for activities at the local, national, regional and international level.	click	Full compliance	NSO
	1,3	There is a mechanism for considering statistics produced outside the national statistical system, and if appropriate, for these statistics to become official.	click	Not assessed	
	1,4	There is a national plan or program for the development and production of official statistics.	click	No compliance	

Partial compliance = 0.5
Full compliance = 1
Not assessed
No compliance = 0

Total score for 1:
 $((0,5 + 1 + 0)/3) * 100 = 50$

<https://unstats.un.org/unsd/methodology/dataquality/tools/>

Example: Assessment result



Elements to be assured support the NQAF scoring system

8	Assuring the quality commitment	8,1	There is a quality policy or a statement of the statistical agency's commitment to quality, which is publicly available.	click		
		8,2	The statistical agencies promote a culture of continuous improvement.	click		
		8,3	There is a specific body responsible for the quality management or the coordination of quality management within the statistical agency, and it receives necessary support to fulfil this role.	click		
		8,4	The national statistical system staff receives training on quality management.	click		
		8,5	Guidelines for implementing quality management are defined and made available to the public.	click		
		8,6	Indicators on statistical output quality are regularly measured, monitored, published and followed up to improve statistical products and processes.	click		
		8,7	Statistical products and processes undergo periodic reviews.	click		
		8,8	Risk analyses addressing the quality of important statistical products and processes are performed.	click		



8,6	Indicators on statistical output quality are regularly measured, monitored, published and followed up to improve statistical products and processes.	<p>Quality reports which are serving both producer and user perspectives are prepared, published as appropriate, and updated regularly.</p> <p>Quality indicators are defined, measured and monitored for following up and improvements. Examples of quality indicators: References in media, hits on website, results from user satisfaction surveys (relevance); Standard deviations and other measures of accuracy, response rates (accuracy); Number and size of revisions (reliability); The length of time between the end of a reference period and dissemination of the statistics. (timeliness); Rate of statistics published when announced (punctuality); Respondent burden.</p>
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Group exercise/discussion of self-assessment (incl. group presentations)

Group exercise/discussion of self-assessment (incl. group presentations)

5 groups as follows:

Each group needs to determine

- 1 note taker/facilitator/“judge” of “evidence”
- 1 presenter

Time

- 40 minutes for discussion and preparation
- 5 minutes for presentation

Group 1	Group 2	Group 3	Group 4	Group 5
Antigua and Barbuda	Grenada	Bolivia	Chile	Ecuador
Barbados	Jamaica	Cuba	Dominican Republic	Uruguay
Belize	St. Kitts and Nevis	Mexico	Paraguay	Peru
Colombia (E)	Saint Lucia	Costa Rica	Colombia (S)	Colombia (S)
	Colombia (E)	Colombia (S)	Colombia (S)	Colombia (S)
Task				
Principle 1	Principle 2	Principle 3	Principle 10	Principle 12

Group exercise/discussion of self-assessment (incl. group presentations)

Content of presentation

1. Use the self-assessment checklist and assess whether countries in your group “fully”, “partially” or “do not comply” with the requirements under the principle
2. Identify major areas of improvement

Group exercise/discussion of self-assessment (incl. group presentations)

Methodology

- The checklist is primarily meant to be used for an assessment of the NSS from the point of view of the coordinating body (typically the national statistical office).
- In general, compliance with a requirement depends on the compliance with the elements under this requirement:
 - **“Full compliance” with a requirement = there is only little room for improvement** (most applicable elements and all major applicable elements are fully (or in some cases partially) met);
 - **“Partial compliance” with a requirement = some major improvements are needed** (some but not all major applicable elements are fully or partially met);
 - **“No compliance” with a requirement = urgent action is necessary** (no major applicable elements are met).

Country self-assessment checklist results

Level		Principle		Score C1	Score C2	Score C3	Score C4	Score C5	Score C6	Score C7	Score C8	Score C9	Overall Average
A	Managing the statistical system	1	Coordinating the national statistical system	50	100	75	38	75	25	88	38	67	62
		2	Managing relationships with stakeholders	64	64	79	57	93	93	64	64	79	73
		3	Managing statistical standards	50	100	83	0	67	100	50	100	83	70
B	Managing the institutional environment	4	Assuring professional independence	100	83	83	33	100	100	83	50	83	80
		5	Assuring impartiality and objectivity	93	93	79	21	93	86	86	79	92	80
		6	Assuring transparency	100	100	100	0	100	100	75	50	100	81
		7	Assuring statistical confidentiality and data security	100	100	75	42	100	100	83	50	88	82
		8	Assuring the quality commitment	42	75	63	13	50	56	81	63	57	55
		9	Assuring adequacy of resources	67	67	67	33	83	67	83	50	75	66
C	Managing statistical processes	10	Assuring methodological soundness	100	70	70	30	80	100	70	80	80	76
		11	Assuring cost-effectiveness	58	50	58	25	58	67	75	42	50	54
		12	Assuring appropriate statistical procedures	80	80	90	60	70	80	80	80	60	76
		13	Managing the respondent burden	75	50	50	13	63	88	75	88	88	65
D	Managing statistical outputs	14	Assuring relevance	63	75	75	38	38	63	63	100	88	67
		15	Assuring accuracy and reliability	67	67	83	33	67	50	50	83	67	63
		16	Assuring timeliness and punctuality	88	75	100	50	38	100	75	100	75	78
		17	Assuring accessibility and clarity	71	79	71	36	79	86	79	86	86	75
		18	Assuring coherence and comparability	100	83	67	83	100	67	67	100	100	85
		19	Managing metadata	100	83	83	17	100	17	100	0	67	63
OVERALL SCORE				77	79	76	33	76	76	75	68	78	71



Thank you.