

## TRAINING COURSE IN COORDINATION AND QUALITY MANAGEMENT OF OFFICIAL STATISTICS

Jerusalem, 13-15 March 2018

# The Quality indicators for the GSBPM

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## QIs for the GSBPM



Quality Indicators for the Generic Statistical Business  
Process Model (GSBPM) - For Statistics derived from  
Surveys and Administrative Data Sources

(Version 2.0, October 2017)

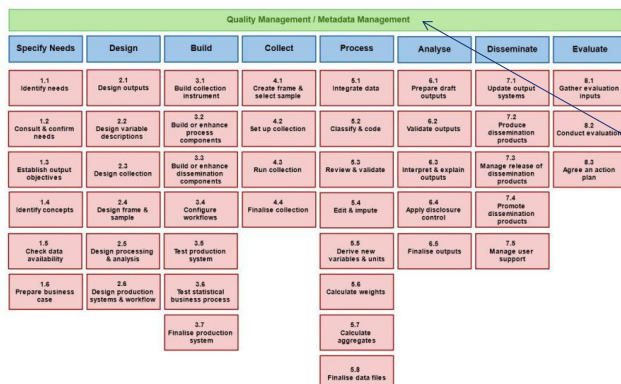
Version 2.0 - October  
2017 contains quality  
indicators for d

For Statistics derived from  
Surveys and  
Administrative Data  
Sources

<https://statswiki.unece.org/display/GSBPM/Quality+Indicators+Home>



## QIs for the GSBPM



Quality management overarching process

Quality indicators were developed for each phase (1 to 8) and sub-processes

## Characteristics of QIs for GSBPM

Generic indicators

Coherence with existing framework (UN, ESS Q&P indicators,...)

Quantitative indicators whenever possible

Qualitative indicators

yes/no

low/medium/large



Personalisation of the indicators left to NSIs (targets, categories, formulas,...)

1

Quality Management / Metadata Management

Specify Needs	Design	Build	Collect	Process	Analyse	Disseminate	Evaluate
1.1 Identify needs	2.1 Design outputs	3.1 Build collection instrument	4.1 Create frame & select sample	5.1 Integrate data	6.1 Prepare draft outputs	7.1 Update output systems	8.1 Gather evaluation inputs
1.2 Consult & confirm needs	2.2 Design variable descriptions	3.2 Build or enhance process components	4.2 Set up collection	5.2 Classify & code	6.2 Validate outputs	7.2 Produce dissemination products	8.2 Conduct evaluation
1.3 Establish output objectives	2.3 Design collection	3.3 Build or enhance dissemination components	4.3 Run collection	5.3 Review & validate	6.3 Interpret & explain outputs	7.3 Manage release of dissemination products	8.3 Agree an action plan
1.4 Identify concepts	2.4 Design frame & sample	3.4 Configure workflows	4.4 Finalise collection	5.4 Edit & impute	6.4 Apply disclosure control	7.4 Promote dissemination products	
1.5 Check data	2.5 Design processing	3.5 Test production		5.5 Derive new	6.5 Finalise outputs	7.5 Manage user	

Quality Dimension	Indicator	Notes
Relevance	<p>To what extent have stakeholders been identified and included in discussions about statistical needs?</p> <p>To what extent has relevant supporting documentation been gathered?</p>	
.....	.....	.....

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2


Quality Management / Metadata Management

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1.2 Consult & confirm needs	2.2 Design variable descriptions	3.2 Build or enhance process components	4.2 Set up collection
1.3 Establish output objectives	2.3 Design collection	3.3 Build or enhance dissemination components	4.3 Run collection
1.4 Identify concepts	2.4 Design frame & sample	3.4 Configure workflows	4.4 Finalise collection
1.5 Check data availability	2.5 Design processing & analysis	3.5 Test production system	
1.6 Prepare business case	2.6 Design production systems & workflow	3.6 Test statistical business process	
		3.7 Finalise production system	

Quality Dimension	Indicator	Notes
Cost effectiveness	Percentage of/Extent to which responsibilities for subsequent phases and sub-processes have been set	
Cost effectiveness	Estimated cost for producing and disseminate designed outputs/Key Performance Indicators (KPIs)	.....
.....	.....	.....


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Quality Dimension	Indicator						Notes
Timeliness and punctuality	Delay between expected and actual sign-off of collection systems (including data transmission, security, collection management systems, and quality control systems)						Surveys and ADS
.....	.....						



4

Quality Management / Metadata Management							
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						7.4	
Quality Dimension	Indicator						Notes
Accessibility and clarity	Date of last update of the content of the metadata.  - The date of the latest dissemination of the metadata should be specified. - The date on which the metadata element was inserted or modified in the database should be specified.						
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7

Quality Management / Metadata Management							
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Quality Dimension	Indicator	Notes
Cost effectiveness	Percentage of GSBPM phases and sub-processes for which there were no gaps between planned and attained costs	

8

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		3.3				7.3	

Quality Dimension	Indicator	Notes
Quality commitment	For what proportion of GSBPM sub-processes are standardised corporate solutions used?	
Quality commitment	Extent to which quality indicators, metadata and paradata are compliant to standards	

QM

## How to use them

QIs for the GSBPM provide:

- A standard framework and a common terminology
- A process-oriented approach to Quality Management

- ✓Can be tailored by NSIs according to their needs
- ✓Avoid duplication of work in different sectors within the organisation
- ✓Map/ fill in gaps with QIs in use in an NSI