# Data Quality Assessment Framework: Generic Framework

<table>
<thead>
<tr>
<th>Quality Dimensions</th>
<th>Elements</th>
<th>Indicators</th>
</tr>
</thead>
<tbody>
<tr>
<td>0. Prerequisites of quality</td>
<td>0.1 Legal and institutional environment—</td>
<td>0.1.1 The responsibility for collecting, processing, and disseminating</td>
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<td></td>
<td><em>The environment is supportive of statistics.</em></td>
<td>the statistics is clearly specified.</td>
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<td>0.2 Resources—Resources are commensurate with needs of statistical</td>
<td>0.1.2 Data sharing and coordination among data-producing agencies are</td>
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<tr>
<td></td>
<td>programs.</td>
<td>adequate.</td>
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<td>0.3 Relevance—Statistics cover relevant information on the subject field.</td>
<td>0.1.3 Individual reporters’ data are to be kept confidential and used for</td>
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<td>statistical purposes only.</td>
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<td>0.4 Other quality management—Quality is a cornerstone of statistical</td>
<td>0.1.4 Statistical reporting is ensured through legal mandate and/or</td>
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<td></td>
<td>work.</td>
<td>measures to encourage response.</td>
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<tr>
<td>1. Assurances of integrity</td>
<td>1.1 Professionalism—Statistical policies and practices are guided by</td>
<td>1.1.1 Statistics are produced on an impartial basis.</td>
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<tr>
<td></td>
<td>professional principles.</td>
<td>1.1.2 Choices of sources and statistical techniques as well as decisions</td>
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<td>about dissemination are informed solely by statistical considerations.</td>
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<td>1.2 Transparency—Statistical policies and practices are transparent.</td>
<td>1.1.3 The appropriate statistical entity is entitled to comment on</td>
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<td></td>
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<td>erroneous interpretation and misuse of statistics.</td>
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<td>1.2.1 The terms and conditions under which statistics are collected,</td>
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<td></td>
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<td>processed, and disseminated are available to the public.</td>
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<td>1.2.2 Internal governmental access to statistics prior to their release</td>
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<td></td>
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<td>is publicly identified.</td>
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<td>1.2.3 Products of statistical agencies/units are clearly identified as</td>
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<td>such.</td>
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<td>1.2.4 Advance notice is given of major changes in methodology, source</td>
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<td>data, and statistical techniques.</td>
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<td>1.3.1 Guidelines for staff behavior are in place and are well known to</td>
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<td></td>
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<td>the staff.</td>
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<tr>
<td>2. Methodological soundness</td>
<td>2.1 Concepts and definitions—Concepts and definitions used are in accord</td>
<td>2.1.1 The overall structure in terms of concepts and definitions follows</td>
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<tr>
<td></td>
<td>with internationally accepted statistical frameworks.</td>
<td>internationally accepted standards, guidelines, or good practices.</td>
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<td></td>
<td>2.2 Scope—The scope is in accord with internationally accepted</td>
<td>2.2.1 The scope is broadly consistent with internationally accepted</td>
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<td>standards, guidelines, or good practices.</td>
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<td>2.3 Classification/sectorization—</td>
<td>2.3.1 Classification/sectorization systems used are broadly consistent</td>
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<td></td>
<td>Classification and sectorization systems are in accord with</td>
<td>with internationally accepted standards, guidelines, or good practices.</td>
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<td></td>
<td>internationally accepted standards, guidelines, or good practices.</td>
<td>2.4 Basis for recording—Flows and stocks are valued and recorded according</td>
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<td>to internationally accepted standards, guidelines, or good practices.</td>
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<td>2.4.1 Market prices are used to value flows and stocks.</td>
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<td>2.4.2Recording is done on an accrual basis.</td>
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<td>2.4.3 Grossing/netting procedures are broadly consistent with internationally accepted standards, guidelines, or good practices.</td>
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<tr>
<td><strong>3. Accuracy and reliability</strong></td>
<td><strong>3.1 Source data</strong>—Source data available provide an adequate basis to compile statistics.</td>
<td>3.1.1 Source data are obtained from comprehensive data collection programs that take into account country-specific conditions.</td>
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<td><strong>3.2 Assessment of source data</strong>—Source data are regularly assessed.</td>
<td>3.2.1 Source data—including censuses, sample surveys, and administrative records—are routinely assessed, e.g., for coverage, sample error, response error, and non-sampling error; the results of the assessments are monitored and made available to guide statistical processes.</td>
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<td><strong>3.3 Statistical techniques</strong>—Statistical techniques employed conform to sound statistical procedures.</td>
<td>3.3.1 Data compilation employs sound statistical techniques to deal with data sources.</td>
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<td><strong>3.4 Assessment and validation of intermediate data and statistical outputs</strong>—Intermediate results and statistical outputs are regularly assessed and validated.</td>
<td>3.4.1 Intermediate results are validated against other information where applicable.</td>
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<td><strong>3.5 Revision studies</strong>—Revisions, as a gauge of reliability, are tracked and mined for the information they may provide.</td>
<td>3.5.1 Studies and analyses of revisions are carried out routinely and used internally to inform statistical processes (see also 4.3.3).</td>
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<tr>
<td><strong>4. Serviceability</strong></td>
<td><strong>4.1 Periodicity and timeliness</strong>—Periodicity and timeliness follow internationally accepted dissemination standards.</td>
<td>4.1.1 Periodicity follows dissemination standards.</td>
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<td><strong>4.2 Consistency</strong>—Statistics are consistent within the data set, over time, and with major data sets.</td>
<td>4.2.1 Statistics are consistent within the data set.</td>
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<td><strong>4.3 Revision policy and practice</strong>—Data revisions follow a regular and publicized procedure.</td>
<td>4.3.1 Revisions follow a regular and transparent schedule.</td>
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<td><strong>5. Accessibility</strong></td>
<td><strong>5.1 Data accessibility</strong>—Statistics are presented in a clear and understandable manner, forms of dissemination are adequate, and statistics are made available on an impartial basis.</td>
<td>5.1.1 Statistics are presented in a way that facilitates proper interpretation and meaningful comparisons (layout and clarity of text, tables, and charts).</td>
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<td><strong>5.2 Metadata accessibility</strong>—Up-to-date and pertinent metadata are made available.</td>
<td>5.2.1 Documentation on concepts, scope, classifications, basis of recording, data sources, and statistical techniques is available, and differences from internationally accepted standards, guidelines, or good practices are annotated.</td>
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<td><strong>5.3 Assistance to users</strong>—Prompt and knowledgeable support service is available.</td>
<td>5.3.1 Contact points for each subject field are publicized.</td>
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