**Crosswalk and Required Elements According to Graded Approach**

*Category 1 QAPPs require all 24 elements:*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Group A. Project Management** | | **Group B. Data Generation and Acquisition** | | **Group C. Assessment and Oversight** | |
| ***1*** | A1 Title and Approval Sheet | ***10*** | B1 Sampling Process Design (Experimental Design) | ***20*** | C1 Assessment and Response Actions |
| ***2*** | A2 Table of Contents | ***11*** | B2 Sampling Methods | ***21*** | C2 Reports to Management |
| ***3*** | A3 Distribution List | ***12*** | B3 Sample Handling and Custody |  | |
| ***4*** | A4 Project/Task Organization | ***13*** | B4 Analytic Methods | **Group D. Data Validation and Usability** | |
| ***5*** | A5 Problem Definition and Background | ***14*** | B5 Quality Control | ***22*** | D1 Data Review, Verification, and Validation |
| ***6*** | A6 Project/Task Description | ***15*** | B6 Instrument/Equipment Testing, Inspection, and Maintenance | ***23*** | D2 Verification and Validation Methods |
| ***7*** | A7 Quality Objectives and Criteria | ***16*** | B7 Instrument/Equipment Calibration and Frequency | ***24*** | D3 Reconciliation with User Requirements |
| ***8*** | A8 Special Training/Certifications | ***17*** | B8 Inspection/Acceptance of Supplies and Consumables |  | |
| ***9*** | A9 Documentation and Records | ***18*** | B9 Non-direct Measurements |
|  | | ***19*** | B10 Data Management |

*Category 2 QAPPs require 21 elements:*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Group A. Project Management** | | **Group B. Data Generation and Acquisition** | | **Group C. Assessment and Oversight** | |
| ***1*** | A1 Title and Approval Sheet | ***10*** | B1 Sampling Process Design (Experimental Design) | ***20*** | C1 Assessment and Response Actions |
| ***2*** | A2 Table of Contents | ***11*** | B2 Sampling Methods | ***21*** | C2 Reports to Management |
| *~~3~~* | *~~A3 Distribution List~~* | ***12*** | B3 Sample Handling and Custody |  | |
| ***4*** | A4 Project/Task Organization | ***13*** | B4 Analytic Methods | **Group D. Data Validation and Usability** | |
| ***5*** | A5 Problem Definition and Background | ***14*** | B5 Quality Control | ***22*** | D1 Data Review, Verification, and Validation |
| ***6*** | A6 Project/Task Description | ***15*** | B6 Instrument/Equipment Testing, Inspection, and Maintenance | ***23*** | D2 Verification and Validation Methods |
| ***7*** | A7 Quality Objectives and Criteria | ***16*** | B7 Instrument/Equipment Calibration and Frequency | ***24*** | D3 Reconciliation with User Requirements |
| ***~~8~~*** | *~~A8 Special Training/Certifications~~* | ***~~17~~*** | ~~B8 Inspection/Acceptance of Supplies and Consumables~~ |  | |
| ***9*** | A9 Documentation and Records | ***18*** | B9 Non-direct Measurements |
|  | | ***19*** | B10 Data Management |

*Category 3 QAPPs require 16 elements:*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Group A. Project Management** | | **Group B. Data Generation and Acquisition** | | **~~Group C. Assessment and Oversight~~** | |
| ***1*** | A1 Title and Approval Sheet | ***10*** | B1 Sampling Process Design (Experimental Design) | ~~20~~ | ~~C1 Assessment and Response Actions~~ |
| ***2*** | A2 Table of Contents | ***11*** | B2 Sampling Methods | ~~21~~ | ~~C2 Reports to Management~~ |
| ***~~3~~*** | ~~A3 Distribution List~~ | ***12*** | B3 Sample Handling and Custody |  | |
| ***4*** | A4 Project/Task Organization | ***13*** | B4 Analytic Methods | **Group D. Data Validation and Usability** | |
| ***5*** | A5 Problem Definition and Background | ***14*** | B5 Quality Control | ***22*** | D1 Data Review, Verification, and Validation |
| ***6*** | A6 Project/Task Description | ***15*** | B6 Instrument/Equipment Testing, Inspection, and Maintenance | ~~23~~ | ~~D2 Verification and Validation Methods~~ |
| ***7*** | A7 Quality Objectives and Criteria | ***16*** | B7 Instrument/Equipment Calibration and Frequency | ~~24~~ | ~~D3 Reconciliation with User Requirements~~ |
| ~~8~~ | ~~A8 Special Training/Certifications~~ | ***~~17~~*** | ~~B8 Inspection/Acceptance of Supplies and Consumables~~ |  | |
| ***9*** | A9 Documentation and Records | ***18*** | B9 Non-direct Measurements |
|  | | ***~~19~~*** | ~~B10 Data Management~~ |

*Category 4 QAPPs require 6 elements:*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Group A. Project Management** | | **Group B. Data Generation and Acquisition** | | **~~Group C. Assessment and Oversight~~** | |
| ***1*** | A1 Title and Approval Sheet | ***10*** | B1 Sampling Process Design (Experimental Design) | ~~20~~ | ~~C1 Assessment and Response Actions~~ |
| ~~2~~ | ~~A2 Table of Contents~~ | ***~~11~~*** | ~~B2 Sampling Methods~~ | ~~21~~ | ~~C2 Reports to Management~~ |
| ~~3~~ | ~~A3 Distribution List~~ | ***~~12~~*** | ~~B3 Sample Handling and Custody~~ |  | |
| ~~4~~ | ~~A4 Project/Task Organization~~ | ***13*** | B4 Analytic Methods | **~~Group D. Data Validation and Usability~~** | |
| ~~5~~ | ~~A5 Problem Definition and Background~~ | ***14*** | B5 Quality Control | ~~22~~ | ~~D1 Data Review, Verification, and Validation~~ |
| ***6*** | A6 Project/Task Description | ***~~15~~*** | *~~B6 Instrument/Equipment Testing, Inspection, and Maintenance~~* | ~~23~~ | ~~D2 Verification and Validation Methods~~ |
| ***7*** | A7 Quality Objectives and Criteria | ~~16~~ | ~~B7 Instrument/Equipment Calibration and Frequency~~ | ~~24~~ | ~~D3 Reconciliation with User Requirements~~ |
| ~~8~~ | ~~A8 Special Training/Certifications~~ | ~~17~~ | ~~B8 Inspection/Acceptance of Supplies and Consumables~~ |  | |
| ~~9~~ | ~~A9 Documentation and Records~~ | ~~18~~ | ~~B9 Non-direct Measurements~~ |
|  | | ***~~19~~*** | ~~B10 Data Management~~ |