



ASEAN Patent, Industrial Design, and Trademark Data Quality Manual

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Data Quality Manual (DQM) - Main Objective

To serve as a reference for ASEAN Member States in maintaining and enhancing the quality of patent, industrial design and trademark data within the ASEAN IP Register

Data Quality Manual (DQM) - Contents

- Outlines clear standards, metrics, and practices specifically tailored to the management of ASEAN patent, industrial design, and trademark data
- Addresses essential dimensions of data quality—such as accuracy, completeness, consistency, timeliness, and reliability—offering practical guidelines for effective implementation
- Emphasizes the importance of standardized data definitions, terminologies, formats, validation procedures, and continuous monitoring to uphold the integrity of data in the ASEAN IP Register.

Data Quality Manual (DQM) – Salient Points

- Outlines data quality framework necessary for managing patent data effectively across ASEAN Member States (AMS) to ensures that patent data remains accurate, complete, consistent, and reliable, meeting the diverse needs of stakeholders

Metric Category	Metric	Measurement
Accuracy Metrics	Error Rate	Proportion of records in the ASEAN IP Register with inaccuracies or discrepancies.
	Data Matching Rate	Alignment of data in the ASEAN IP Register with source data from national IP offices.
Completeness Metrics	Category-Specific Completeness	Proportion of required fields populated for each patent data category in the ASEAN IP Register.
	Overall Record Completeness	Percentage of records in the ASEAN IP Register with all mandatory fields completed.

Data Quality Manual (DQM) – Salient Points

- Sets recommended standard data formats for Patent Data

Data Field	Data Type	Format	Example	Notes
Filing Number	Alphanumeric	N/YYYY/NNNNNN	2023/123456	Unique identifier depending on the format per AMS.
Filing Date	Date	YYYY-MM-DD	2023-01-15	ISO 8601 format for date consistency.
Publication Number	Alphanumeric	YYYYNNNNNN	2023123456	Matches international publication formats.
Publication Date	Date	YYYY-MM-DD	2023-02-01	ISO 8601 format.
PCT Application ID	Alphanumeric	WOYYYY/NNNNNN	WO2023/123456	International PCT identifier.
PCT Filing Date	Date	YYYY-MM-DD	2023-03-15	Date the PCT application was filed.
IP Right Kind	Categorical	Patent, Utility Model, Design	Patent	Specifies the type of intellectual property right.
Application Type Category	Categorical	New, Amendment, Re-registration	New	General classification of the application.
Grant Date	Date	YYYY-MM-DD	2023-05-10	Date the IP right was granted.
Expiry Date	Date	YYYY-MM-DD	2043-05-10	End date of patent validity.

Data Quality Manual (DQM) – Salient Points

- Enumerates data validation rules
- Outlines recommendation and conclusion
- With attachment of data gathering detailed results, details of the application formats among AMS, and data quality assessment report template

	Data Fields	YES	NO	If, No, please select which is appropriate		
				Technical Issue	Legal issue	Others, please cite
Application Information	Application type	BN, KH, ID, LA, MY, PH, SG, TH, VN				
	Application subtype (if available)	BN, ID, LA, PH, TH, VN	MY, SG			
Bibliographic Data Information	Filing Number and Date	BN, KH, ID, LA, MY, PH, SG, TH, VN				
	Title	BN, KH, ID, LA, MY, PH, SG, TH, VN				
	Applicant Details	BN, ID, LA, MY, PH, SG, TH, VN	KH			

Country	Brunei	Cambodia	Indonesia	Laos	Malaysia	Philippines	Singapore	Thailand	Vietnam
Application Information [Application Type]	Strongly Agree	Agree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Agree	Strongly Agree	Agree
Application Information [Application Subtype]	Agree	Disagree	Agree	N/A	Strongly Disagree	Strongly Agree	N/A	N/A	Agree
Bibliographic Data Information [Filing Number]	Strongly Agree	Agree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Agree	Strongly Agree	Agree

Challenges in the Development of Patent DQM

- Question Wording and Framing
- Use of terms or data fields
- Survey Mode
- Data Analysis and Interpretation
- Availability
- Respondents may be not the first hand to provide information

Resolution to the Identified Challenges

- Question Wording and Framing: Initial survey forms were presented to WIPO experts for their comments and were tested to some respondents to determine clarity, completeness of content and acceptability
- Use of terms or data fields: Provided definition of each data fields for reference and guidance of respondent and user of the DQM
- Survey Mode: Aside from online answering the survey forms, interviews during surveying is being undertaken. Further, group of respondents from some AMS during interview is being undertaken

Resolution to the Identified Challenges

- Data Analysis and Interpretation: Plotting of the data gathered have been presented for better visualization and drafting of sound data analysis
- Respondents may be not the first hand to provide information – Gathered data were presented to the AMS meetings and were validated during the presentation and/or shared to them the survey result for further validation

Status Updates

- Patent Data Quality Manual: Final draft submitted on January 15, 2025
- Industrial Design and Trademark Quality Manual: on-going about 60 – 70 % completion and being consolidated to the Patent Quality Manual

THANK YOU!