

---

| <b>Contents</b>    |   | <b>Page</b> |
|--------------------|---|-------------|
| Foreword .....     |   | iv          |
| Introduction ..... |   | v           |
| <b>1</b>           | <b>Scope .....</b>  | <b>1</b>    |
| <b>2</b>           | <b>Normative references .....</b>                                     | <b>1</b>    |
| <b>3</b>           | <b>Terms and definitions .....</b>                                    | <b>1</b>    |
| <b>4</b>           | <b>Concepts .....</b>   | <b>3</b>    |
| 4.2                | Generic kinds of data and common table structures .....               | 4           |
| 4.3.1              | User-defined types and routines .....                                 | 4           |
| 4.3.2              | Views and routines .....  | 5           |
| 4.3.3              | Information schema and definition schema .....                        | 5           |
| 4.5.1              | Use of user defined types .....                                       | 6           |
| 4.5.2              | Use of views .....  | 7           |
| <b>6</b>           | <b>Notations and conventions used in other parts .....</b>            | <b>7</b>    |
| 6.1                | Notation .....  | 7           |
| 6.1.1              | Notation of user-defined types and routines .....                     | 7           |
| 6.1.2              | Notation for defining a format of a value .....                       | 8           |
| 6.2                | Conventions .....   | 9           |
| 6.2.1              | Clause structure .....  | 9           |
| 6.2.2              | Organization of specifications .....                                  | 9           |
| 6.2.3              | Data type, attribute, SQL-invoked routine, and view identifiers ..... | 10          |
| 6.2.4              | Parameter identifiers .....   | 10          |
| 6.2.5              | Meta-variables .....  | 10          |
| 6.2.6              | Symbols .....   | 10          |
| 6.2.7              | Exceptions .....  | 10          |
| 6.2.8              | Status codes .....  | 10          |
| <b>7</b>           | <b>Implementation requirements .....</b>                              | <b>11</b>   |
| 7.1                | General .....   | 11          |
| 7.1.1              | Schemas .....   | 11          |
| 7.1.2              | USAGE privileges on user-defined types .....                          | 11          |
| 7.1.3              | UNDER privileges on user-defined types .....                          | 11          |
| 7.1.4              | EXECUTE privileges on routines .....                                  | 11          |
| 7.1.5              | SELECT privilege on views .....                                       | 12          |
| 7.1.6              | DELETE, INSERT, and UPDATE privilege on views .....                   | 12          |
| <b>8</b>           | <b>Conformance .....</b>  | <b>12</b>   |
| 8.1                | Implementations .....   | 12          |
| 8.2                | Relationship to other International Standards .....                   | 13          |
| 8.3                | Claim of conformance .....  | 13          |
| 8.4                | Extensions and options .....  | 13          |