

ISO/IEC 19794-14:2022-10 (E)

Information technology - Biometric data interchange formats - Part 14: DNA data

| Contents | | Page |
|------------------------------|--|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 2 |
| 3.1 | Terms related to basic DNA concepts | 2 |
| 3.2 | Terms related to DNA profiling | 4 |
| 3.3 | Terms related to DNA databases | 5 |
| 3.4 | Terms related to DNA profile comparison and interpretation of results | 6 |
| 4 | Abbreviated terms | 8 |
| 5 | Conformance | 9 |
| 6 | DNA data format specification | 9 |
| 6.1 | Overview | 9 |
| 6.2 | Data conventions | 10 |
| 6.2.1 | Unknown field value | 10 |
| 6.2.2 | DNA data handlings | 11 |
| 6.3 | Content of the DNA XML schema | 15 |
| 6.3.1 | Overview | 15 |
| 6.3.2 | General header | 15 |
| 6.3.3 | Representations | 18 |
| 6.3.4 | Pedigrees | 35 |
| 7 | Registered format type identifier | 39 |
| Annex A (normative) | DNA XML schema definition and sample encoding | 40 |
| Annex B (normative) | Conformance testing methodology | 59 |
| Annex C (informative) | DNA kit identifiers | 64 |
| Annex D (informative) | DNA loci | 70 |
| Annex E (informative) | Kinship interoperability tests -- Pedigree test cases | 76 |
| Annex F (informative) | Additional interoperability tests | 107 |
| Annex G (informative) | DNA loci for identification purposes | 132 |
| Bibliography | | 134 |