ISO/IEC 18670:2025-04 (E)

Information technology - SoftWare Hash IDentifier (SWHID) Specification V1.2

Contents

Page

Foreword ... **iv**

Introduction ... **v**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **1**

4 Syntax ... **3**

5 Core identifiers ... **3**
5.1 General ... 3
5.2 Contents ... 3
5.3 Directories ... 4
5.4 Revisions ... 5
5.5 Releases ... 7
5.6 Snapshots ... 8
5.7 Compatibility with Git ... 9

6 Qualified identifiers ... **10**
6.1 Qualifiers ... 10
6.2 Fragment qualifiers ... 10
6.2.1 General ... 10
6.2.2 Lines qualifier ... 10
6.2.3 Bytes qualifier ... 10
6.3 Context qualifiers ... 11
6.3.1 General ... 11
6.3.2 Origin qualifier ... 11
6.3.3 Visit qualifier ... 11
6.3.4 Path qualifier ... 11
6.3.5 Anchor qualifier ... 11
6.4 Comparing qualified SWHIDs ... 12
6.5 Recommendations ... 12

Annex A (informative) **Specification versioning** ... **13**

Bibliography ... **14**