

# ISO/IEC 23681:2019 (E)

## Information technology — Self-contained Information Retention Format (SIRF) Specification

---

### Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Business Case
5	Specification Overview
5.1	Container Components
5.2	SIRF Catalog
5.3	Metadata Units
6	Container Information Metadata
6.1	Specification Category
6.2	Container ID Category
6.3	State Category
6.4	Provenance Category
6.5	Audit Log Category
7	Object Information Metadata
7.1	Object IDs Category
7.2	Dates Category
7.3	Related Objects Category
7.4	Packaging Format Category
7.5	Fixity Category
7.6	Retention Category
7.7	Audit Log Category
7.8	Extension Category
8	Serialization for SNIA CDMI
8.1	Catalog Serialization: Object IDs Category
8.2	Catalog Serialization: Fixity Category
9	Serialization for SNIA LTFS
9.1	Catalog Serialization: Object IDs Category
9.2	Catalog Serialization: Fixity Category
10	Serialization for OpenStack Swift
11	Use Case Example
Annex A	(informative) XML schema for the SIRF catalog
Annex B	(informative) Sample XML catalog
Annex C	(informative) Sample JSON catalog