

ISO/IEC 23009-8:2025-08 (E)

Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 8: Session-based DASH operations

| Contents | | Page |
|----------------------------|--|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms, definitions, abbreviated terms and notations | 1 |
| 3.1 | Terms and definitions | 1 |
| 3.2 | Abbreviated terms | 2 |
| 3.3 | Notation | 2 |
| 4 | General overview | 3 |
| 4.1 | Sessions and session parameters | 3 |
| 4.2 | General architecture | 3 |
| 4.3 | Timeline and orderline addressing | 4 |
| 5 | MPD signalling for SBD | 5 |
| 5.1 | General | 5 |
| 5.2 | SBD descriptor | 5 |
| 5.2.1 | General | 5 |
| 5.2.2 | Semantics | 5 |
| 5.2.3 | XML schema | 8 |
| 6 | SBD document format | 8 |
| 6.1 | Overview | 8 |
| 6.2 | KeyValue Object | 9 |
| 6.2.1 | Semantics | 9 |
| 6.2.2 | JSON schema | 11 |
| 7 | Client operation | 11 |
| 7.1 | Normative requirements | 11 |
| 7.2 | Processing model | 12 |
| 7.2.1 | Building SBD timeline/orderline table | 12 |
| 7.2.2 | Parameter value derivation | 12 |
| 7.2.3 | Segment request | 12 |
| 8 | Examples | 13 |
| 8.1 | General | 13 |
| 8.2 | MPD | 13 |
| 8.3 | Session-based description document | 13 |
| 8.3.1 | Example 1: Timeline | 13 |
| 8.3.2 | Example 2: Orderline | 14 |
| 8.4 | Operation | 14 |
| 9 | Example applications | 14 |
| 9.1 | Forensic watermarking | 14 |
| Annex A (normative) | SBD MIME type | 16 |
| Bibliography | | 17 |