

# ISO 23807:2023-03 (E)

## Ships and marine technology - General requirements for the asynchronous time-insensitive ship-shore data transmission

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Abbreviated terms .....	2
5	General requirements .....	3
5.1	General .....	3
5.2	Encryption .....	4
5.3	Compression .....	4
5.4	Deduplication .....	4
5.5	Distribution .....	5
5.6	Recovery .....	5
6	Data transport agent -- vessel side interface .....	5
6.1	General .....	5
6.2	Transportation folders .....	5
6.3	File move and sync .....	5
6.3.1	Moving files .....	5
6.3.2	Synchronizing folders .....	5
6.4	Server message block .....	5
6.5	Asynchronous message service .....	6
6.6	API .....	6
7	Data transport agent -- shore side interface .....	6
8	Requirements for asynchronous data management agent .....	6
8.1	General .....	6
8.2	Size restrictions .....	6
8.3	Prioritization of data .....	7
8.4	Carrier status .....	7
8.5	On-demand data request .....	7
8.6	Delayed transmission .....	7
8.7	Resume on interrupt .....	7
8.8	Monitoring .....	7
9	Requirements for security of data transmission .....	8
9.1	General .....	8
9.2	Transport security .....	8
9.3	Data security .....	8
Annex A (informative)	Correlation chart .....	10
Annex B (informative)	Functions of asynchronous data management agent .....	11
Annex C (informative)	HTTP file input and output protocol used on the data transport agent .....	13
Bibliography .....		15