

Contents

	<i>Page</i>
Foreword	v
Abbreviations	vii
Part 1 Introduction	1
1.1 History	1
1.2 The old system and the need for improvement	2
1.3 Early implementation of GMDSS provisions	2
1.4 Implementation 1992–1999	3
1.5 Developments since 1999	3
1.6 Developments in the ITU	4
Part 2 Basic concept of the GMDSS	7
2.1 General	7
2.2 Communications functions in the GMDSS	10
2.3 Search and rescue	11
2.4 Radio personnel	12
2.5 Station identities	12
Part 3 Communications systems in the GMDSS	13
3.1 General	13
3.2 Inmarsat system	14
3.3 Cospas-Sarsat system	19
3.4 Digital selective calling (DSC) system	26
3.5 Search and rescue radar transponders (SARTs)	29
3.6 Equipment performance standards	31
3.7 Maritime safety information (MSI) system	31
3.8 Automatic identification system (AIS)	32
3.9 Ship security alert system (SSAS)	33
3.10 Long-range identification and tracking (LRIT)	33
Part 4 GMDSS equipment carriage requirements	35
Part 5 Operational procedures for the GMDSS	37
Part 6 Shore-based SAR communication network and operation	41
Part 7 Master Plan for the GMDSS	43
Part 8 Maintenance of equipment in the GMDSS	45
Annex 1 Regulations of the 1974 SOLAS Convention, as amended, relevant to the GMDSS	47
Annex 2 IMO Assembly and MSC resolutions relevant to the GMDSS	111

Contents

	<i>Page</i>
Annex 3 Radio equipment (IMO Performance Standards and related ITU-R Recommendations).....	161
Annex 4 Maritime Safety Information (MSI).....	309
Annex 5 GMDSS Master Plan (GMDSS.1/Circ.15).....	465
Annex 6 MSC Circulars relevant to the GMDSS.....	677
Annex 7 COM and COMSAR Circulars relevant to the GMDSS.....	689
Annex 8 Articles and appendices of Radio Regulations relevant to the GMDSS	745