

Messaging Service Access Modules

Contents

Introduction to Messaging Service Access Modules	2-6
Personal MSAMs	2-9
Server MSAMs	2-11
MSAM Modes of Operation	2-12
Types of Messages	2-16
Basic Messages	2-16
Letters	2-17
Reports	2-23
AOCE Addresses	2-23
AOCE High-Level Events	2-32
System Location	2-35
Using the MSAM API	2-35
Determining Whether the Collaboration Toolbox Is Available	2-36
Determining the Version of the IPM Manager	2-36
Launching a Personal MSAM	2-36
Initializing a Personal MSAM	2-37
Initializing a Server MSAM	2-40
Handling Outgoing Messages	2-43
Enumerating Messages in an Outgoing Queue	2-44
Opening and Closing a Message	2-46
Determining the Message Family	2-47
Determining What Is in a Message	2-47
Reading Letter Attributes	2-47
Interpreting Creator and Type for Messages and Blocks	2-50
Reading Addresses	2-51
Reading Letter Content	2-57
Reading a Nested Message	2-59

Marking Recipients	2-60
Generating a Report	2-61
Writing Incoming Messages	2-62
Choosing Creator and Type for Messages and Blocks	2-64
Creating a Letter's Message Summary	2-64
Creating a Letter	2-70
Creating a Non-Letter Message	2-71
Writing Letter Attributes	2-72
Writing Addresses	2-73
Writing Letter Content	2-76
Submitting a Message	2-79
Receiving a Report	2-80
Deleting a Message	2-81
Translating Addresses	2-82
Translating From an AOCE Address	2-83
Translating to an AOCE Address	2-88
Logging Personal MSAM Operational Errors	2-91
Messaging Service Access Module Reference	2-93
Data Types and Constants	2-94
The MSAM Parameter Block	2-94
The Mail Buffer	2-96
The Mail Reply Structure	2-96
The Enumeration Structures	2-97
The Mail Time Structure	2-99
The Letter Attribute Structures	2-99
The Recipient Structures	2-106
The Segment Types	2-109
The Enclosure Information Structure	2-111
The Image Block Information Structure	2-112
The High-Level Event Structures	2-113
The Server MSAM Administrative Event Structures	2-116
The Personal MSAM Setup Structures	2-119
The Personal MSAM Letter Flag Structures	2-122
The Personal MSAM Message Summary Structures	2-124
The Personal MSAM Error Log Entry Structure	2-128
MSAM Functions	2-130
Initializing an MSAM	2-131
Enumerating Messages in a Queue	2-138
Opening an Outgoing Message	2-140
Reading Header Information	2-142
Reading a Message	2-150
Marking a Recipient	2-163
Closing a Message	2-167
Creating, Reading, and Writing Message Summaries	2-168
Creating a Message	2-176
Writing Header Information	2-178
Writing a Message	2-185

Submitting a Message	2-200
Deleting a Message	2-202
Generating Log Entries and Reports	2-204
Shutting Down a Server MSAM	2-210
Setting Message Status	2-211
Personal MSAM Template Functions	2-213
Application-Defined Function	2-219
High-Level Events	2-220
Summary of the MSAM Interface	2-238
C Summary	2-238
Data Types and Constants	2-238
MSAM Functions	2-262
Application-Defined Function	2-264
Pascal Summary	2-264
Data Types and Constants	2-264
MSAM Functions	2-290
Application-Defined Routine	2-292
Assembly-Language Summary	2-293
Trap Macros	2-293
Result Codes	2-294

