

MxBusinessProcess (Provide ISO 20022 API Reference)

Table of Contents

<u>Enum MxBusinessProcess</u>	1
<u>Enum Constant Summary</u>	3
<u>Method Summary</u>	3
<u>Methods inherited from class java.lang.Enum</u>	3
<u>Methods inherited from class java.lang.Object</u>	4
<u>Enum Constant Detail</u>	17
<u>Method Detail</u>	17
<u>Class MxId</u>	17
<u>Constructor Summary</u>	19
<u>Method Summary</u>	19
<u>Methods inherited from class java.lang.Object</u>	19
<u>Constructor Detail</u>	20
<u>Method Detail</u>	20
<u>Class MxNode</u>	29
<u>Field Summary</u>	30
<u>Constructor Summary</u>	30
<u>Method Summary</u>	31
<u>Methods inherited from class java.lang.Object</u>	31
<u>Field Detail</u>	35
<u>Constructor Detail</u>	35
<u>Method Detail</u>	35
<u>Class MxSwiftMessage</u>	35
<u>Field Summary</u>	35
<u>Fields inherited from class com.providesoftware.swift.model.AbstractSwiftMessage</u>	36
<u>Constructor Summary</u>	37
<u>Method Summary</u>	37
<u>Methods inherited from class com.providesoftware.swift.model.AbstractSwiftMessage</u>	38
<u>Methods inherited from class java.lang.Object</u>	39
<u>Constructor Detail</u>	39
<u>Method Detail</u>	39
<u>Class SettlementInfo</u>	43
<u>Constructor Summary</u>	43
<u>Method Summary</u>	43
<u>Methods inherited from class java.lang.Object</u>	44
<u>Constructor Detail</u>	44
<u>Method Detail</u>	44
<u>Enum SettlementMethod</u>	46
<u>Enum Constant Summary</u>	46
<u>Method Summary</u>	46
<u>Methods inherited from class java.lang.Enum</u>	47
<u>Methods inherited from class java.lang.Object</u>	47
<u>Enum Constant Detail</u>	47
<u>Method Detail</u>	47
<u>Package com.providesoftware.swift.model</u>.....	49

Table of Contents

<u>Hierarchy For Package com.prowidesoftware.swift.model.....</u>	50
<u>Class Hierarchy.....</u>	50
<u>Enum Hierarchy.....</u>	50
<u>Class AbstractMX.....</u>	50
<u>Field Summary.....</u>	50
<u>Constructor Summary.....</u>	51
<u>Method Summary.....</u>	51
<u>Methods inherited from class com.prowidesoftware.swift.model.AbstractMessage.....</u>	51
<u>Methods inherited from class java.lang.Object.....</u>	51
<u>Field Detail.....</u>	51
<u>Constructor Detail.....</u>	51
<u>Method Detail.....</u>	56
<u>Interface AppHdr.....</u>	57
<u>Field Summary.....</u>	57
<u>Method Summary.....</u>	57
<u>Field Detail.....</u>	57
<u>Method Detail.....</u>	57
<u>Class AppHdrAdapter.....</u>	58
<u>Constructor Summary.....</u>	58
<u>Method Summary.....</u>	58
<u>Methods inherited from class java.lang.Object.....</u>	58
<u>Constructor Detail.....</u>	59
<u>Method Detail.....</u>	59
<u>Class AppHdrFactory.....</u>	64
<u>Constructor Summary.....</u>	64
<u>Method Summary.....</u>	64
<u>Methods inherited from class java.lang.Object.....</u>	64
<u>Constructor Detail.....</u>	64
<u>Method Detail.....</u>	64
<u>Class AppHdrParser.....</u>	65
<u>Constructor Summary.....</u>	65
<u>Method Summary.....</u>	65
<u>Methods inherited from class java.lang.Object.....</u>	66
<u>Constructor Detail.....</u>	66
<u>Method Detail.....</u>	66
<u>Enum AppHdrType.....</u>	71
<u>Enum Constant Summary.....</u>	71
<u>Method Summary.....</u>	71
<u>Methods inherited from class java.lang.Enum.....</u>	71
<u>Methods inherited from class java.lang.Object.....</u>	71
<u>Enum Constant Detail.....</u>	71
<u>Method Detail.....</u>	72
<u>Class BusinessAppHdrV01.....</u>	72
<u>Field Summary.....</u>	72
<u>Fields inherited from</u> <u>class com.prowidesoftware.swift.model.mx.dic.BusinessApplicationHeaderV01Impl.....</u>	73
<u>Fields inherited from interface com.prowidesoftware.swift.model.mx.AppHdr.....</u>	73
<u>Constructor Summary.....</u>	73

Table of Contents

Hierarchy For Package com.prowidesoftware.swift.model

<u>Method Summary</u>	78
<u>Methods inherited from</u>	
<u>class com.prowidesoftware.swift.model.mx.dic.BusinessApplicationHeaderV01Impl</u>	78
<u>Methods inherited from class java.lang.Object</u>	78
<u>Methods inherited from interface com.prowidesoftware.swift.model.mx.AppHdr</u>	78
<u>Field Detail</u>	78
<u>Constructor Detail</u>	78
<u>Method Detail</u>	80
<u>Class BusinessAppHdrV02</u>	80
<u>Field Summary</u>	80
<u>Fields inherited from</u>	
<u>class com.prowidesoftware.swift.model.mx.dic.BusinessApplicationHeaderV02Impl</u>	80
<u>Fields inherited from interface com.prowidesoftware.swift.model.mx.AppHdr</u>	81
<u>Constructor Summary</u>	81
<u>Method Summary</u>	81
<u>Methods inherited from</u>	
<u>class com.prowidesoftware.swift.model.mx.dic.BusinessApplicationHeaderV02Impl</u>	83
<u>Methods inherited from class java.lang.Object</u>	83
<u>Methods inherited from interface com.prowidesoftware.swift.model.mx.AppHdr</u>	83
<u>Field Detail</u>	84
<u>Constructor Detail</u>	84
<u>Method Detail</u>	84
<u>Class BusinessAppHdrV03</u>	84
<u>Field Summary</u>	86
<u>Fields inherited from</u>	
<u>class com.prowidesoftware.swift.model.mx.dic.BusinessApplicationHeaderV03Impl</u>	86
<u>Fields inherited from interface com.prowidesoftware.swift.model.mx.AppHdr</u>	87
<u>Constructor Summary</u>	88
<u>Method Summary</u>	88
<u>Methods inherited from</u>	
<u>class com.prowidesoftware.swift.model.mx.dic.BusinessApplicationHeaderV03Impl</u>	88
<u>Methods inherited from class java.lang.Object</u>	90
<u>Methods inherited from interface com.prowidesoftware.swift.model.mx.AppHdr</u>	91
<u>Field Detail</u>	91
<u>Constructor Detail</u>	91
<u>Method Detail</u>	91
<u>Class BusinessAppHdrV04</u>	92
<u>Field Summary</u>	94
<u>Fields inherited from</u>	
<u>class com.prowidesoftware.swift.model.mx.dic.BusinessApplicationHeaderV04Impl</u>	94
<u>Fields inherited from interface com.prowidesoftware.swift.model.mx.AppHdr</u>	94
<u>Constructor Summary</u>	95
<u>Method Summary</u>	95
<u>Methods inherited from</u>	
<u>class com.prowidesoftware.swift.model.mx.dic.BusinessApplicationHeaderV04Impl</u>	95
<u>Methods inherited from class java.lang.Object</u>	95
<u>Methods inherited from interface com.prowidesoftware.swift.model.mx.AppHdr</u>	98

Table of Contents

Hierarchy For Package com.prowidesoftware.swift.model

Field Detail.....	99
Constructor Detail.....	99
Method Detail.....	99
<u>Class DefaultEscapeHandler.....</u>	99
Constructor Summary.....	99
Method Summary.....	100
Methods inherited from class java.lang.Object.....	100
Constructor Detail.....	100
Method Detail.....	100
<u>Class DefaultMxMetadataStrategy.....</u>	100
Constructor Summary.....	101
Method Summary.....	106
Methods inherited from class java.lang.Object.....	106
Methods inherited from	
<u>interface com.prowidesoftware.swift.model.MessageMetadataStrategy.....</u>	106
Constructor Detail.....	106
Method Detail.....	107
<u>Enum EnvelopeType.....</u>	108
Enum Constant Summary.....	108
Method Summary.....	108
Methods inherited from class java.lang.Enum.....	108
Methods inherited from class java.lang.Object.....	109
Enum Constant Detail.....	109
Method Detail.....	113
<u>Interface EscapeHandler.....</u>	114
Method Summary.....	114
Method Detail.....	114
<u>Interface JaxbContextCache.....</u>	114
Method Summary.....	116
Method Detail.....	116
<u>Class JaxbContextCacheImpl.....</u>	116
Constructor Summary.....	116
Method Summary.....	117
Methods inherited from class java.lang.Object.....	117
Constructor Detail.....	121
Method Detail.....	121
<u>Enum JaxbContextLoader.....</u>	121
Enum Constant Summary.....	121
Method Summary.....	122
Methods inherited from class java.lang.Enum.....	123
Methods inherited from class java.lang.Object.....	123
Enum Constant Detail.....	123
Method Detail.....	123
<u>Class LegacyAppHdr.....</u>	124
Field Summary.....	125
Fields inherited from	
<u>class com.prowidesoftware.swift.model.mx.dic.ApplicationHeaderImpl.....</u>	128

Table of Contents

Hierarchy For Package com.prowidesoftware.swift.model

<u>Fields inherited from interface com.prowidesoftware.swift.model.mx.AppHdr</u>	129
<u>Constructor Summary</u>	129
<u>Method Summary</u>	129
<u>Methods inherited from</u>	
<u>class com.prowidesoftware.swift.model.mx.dic.ApplicationHeaderImpl</u>	129
<u>Methods inherited from class java.lang.Object</u>	131
<u>Methods inherited from interface com.prowidesoftware.swift.model.mx.AppHdr</u>	131
<u>Field Detail</u>	131
<u>Constructor Detail</u>	131
<u>Method Detail</u>	132
<u>Class MxPacs00400108</u>	132
<u>Field Summary</u>	136
<u>Fields inherited from class com.prowidesoftware.swift.model.mx.AbstractMX</u>	136
<u>Constructor Summary</u>	137
<u>Method Summary</u>	137
<u>Methods inherited from class com.prowidesoftware.swift.model.mx.AbstractMX</u>	137
<u>Methods inherited from class com.prowidesoftware.swift.model.AbstractMessage</u>	138
<u>Methods inherited from class java.lang.Object</u>	138
<u>Field Detail</u>	139
<u>Constructor Detail</u>	139
<u>Method Detail</u>	139
<u>Class MxPacs00400109</u>	140
<u>Field Summary</u>	144
<u>Fields inherited from class com.prowidesoftware.swift.model.mx.AbstractMX</u>	144
<u>Constructor Summary</u>	144
<u>Method Summary</u>	144
<u>Methods inherited from class com.prowidesoftware.swift.model.mx.AbstractMX</u>	145
<u>Methods inherited from class com.prowidesoftware.swift.model.AbstractMessage</u>	146
<u>Methods inherited from class java.lang.Object</u>	146
<u>Field Detail</u>	146
<u>Constructor Detail</u>	146
<u>Method Detail</u>	147
<u>Class MxPacs00400110</u>	147
<u>Field Summary</u>	151
<u>Fields inherited from class com.prowidesoftware.swift.model.mx.AbstractMX</u>	151
<u>Constructor Summary</u>	152
<u>Method Summary</u>	152
<u>Methods inherited from class com.prowidesoftware.swift.model.mx.AbstractMX</u>	152
<u>Methods inherited from class com.prowidesoftware.swift.model.AbstractMessage</u>	153
<u>Methods inherited from class java.lang.Object</u>	153
<u>Field Detail</u>	154
<u>Constructor Detail</u>	154
<u>Method Detail</u>	154
<u>Class MxPacs00400111</u>	155
<u>Field Summary</u>	159
<u>Fields inherited from class com.prowidesoftware.swift.model.mx.AbstractMX</u>	159
<u>Constructor Summary</u>	159

Table of Contents

Hierarchy For Package com.prowidesoftware.swift.model

<u>Method Summary</u>	159
<u>Methods inherited from class com.prowidesoftware.swift.model.mx.AbstractMX</u>	160
<u>Methods inherited from class com.prowidesoftware.swift.model.AbstractMessage</u>	161
<u>Methods inherited from class java.lang.Object</u>	161
<u>Field Detail</u>	161
<u>Constructor Detail</u>	161
<u>Method Detail</u>	162
Class MxPacs00400112.....	162
<u>Field Summary</u>	166
<u>Fields inherited from class com.prowidesoftware.swift.model.mx.AbstractMX</u>	166
<u>Constructor Summary</u>	167
<u>Method Summary</u>	167
<u>Methods inherited from class com.prowidesoftware.swift.model.mx.AbstractMX</u>	167
<u>Methods inherited from class com.prowidesoftware.swift.model.AbstractMessage</u>	168
<u>Methods inherited from class java.lang.Object</u>	168
<u>Field Detail</u>	169
<u>Constructor Detail</u>	169
<u>Method Detail</u>	169
Class MxPacs00400113.....	170
<u>Field Summary</u>	174
<u>Fields inherited from class com.prowidesoftware.swift.model.mx.AbstractMX</u>	174
<u>Constructor Summary</u>	174
<u>Method Summary</u>	174
<u>Methods inherited from class com.prowidesoftware.swift.model.mx.AbstractMX</u>	175
<u>Methods inherited from class com.prowidesoftware.swift.model.AbstractMessage</u>	176
<u>Methods inherited from class java.lang.Object</u>	176
<u>Field Detail</u>	176
<u>Constructor Detail</u>	176
<u>Method Detail</u>	177
Class MxPacs00800108.....	177
<u>Field Summary</u>	181
<u>Fields inherited from class com.prowidesoftware.swift.model.mx.AbstractMX</u>	181
<u>Constructor Summary</u>	182
<u>Method Summary</u>	182
<u>Methods inherited from class com.prowidesoftware.swift.model.mx.AbstractMX</u>	182
<u>Methods inherited from class com.prowidesoftware.swift.model.AbstractMessage</u>	183
<u>Methods inherited from class java.lang.Object</u>	183
<u>Field Detail</u>	184
<u>Constructor Detail</u>	184
<u>Method Detail</u>	184
Class MxPacs00800109.....	185
<u>Field Summary</u>	189
<u>Fields inherited from class com.prowidesoftware.swift.model.mx.AbstractMX</u>	189
<u>Constructor Summary</u>	189
<u>Method Summary</u>	189
<u>Methods inherited from class com.prowidesoftware.swift.model.mx.AbstractMX</u>	190
<u>Methods inherited from class com.prowidesoftware.swift.model.AbstractMessage</u>	191

Table of Contents

Hierarchy For Package com.prowidesoftware.swift.model

<u>Methods inherited from class java.lang.Object</u>	191
<u>Field Detail</u>	191
<u>Constructor Detail</u>	191
<u>Method Detail</u>	192
Class MxPacs00800110.....	192
<u>Field Summary</u>	196
<u>Fields inherited from class com.prowidesoftware.swift.model.mx.AbstractMX</u>	196
<u>Constructor Summary</u>	197
<u>Method Summary</u>	197
<u>Methods inherited from class com.prowidesoftware.swift.model.mx.AbstractMX</u>	197
<u>Methods inherited from class com.prowidesoftware.swift.model.AbstractMessage</u>	198
<u>Methods inherited from class java.lang.Object</u>	199
<u>Field Detail</u>	199
<u>Constructor Detail</u>	199
<u>Method Detail</u>	200
Class MxPacs00800111.....	200
<u>Field Summary</u>	204
<u>Fields inherited from class com.prowidesoftware.swift.model.mx.AbstractMX</u>	204
<u>Constructor Summary</u>	204
<u>Method Summary</u>	204
<u>Methods inherited from class com.prowidesoftware.swift.model.mx.AbstractMX</u>	205
<u>Methods inherited from class com.prowidesoftware.swift.model.AbstractMessage</u>	206
<u>Methods inherited from class java.lang.Object</u>	206
<u>Field Detail</u>	206
<u>Constructor Detail</u>	206
<u>Method Detail</u>	207
Class MxPacs00800112.....	208
<u>Field Summary</u>	211
<u>Fields inherited from class com.prowidesoftware.swift.model.mx.AbstractMX</u>	212
<u>Constructor Summary</u>	212
<u>Method Summary</u>	212
<u>Methods inherited from class com.prowidesoftware.swift.model.mx.AbstractMX</u>	212
<u>Methods inherited from class com.prowidesoftware.swift.model.AbstractMessage</u>	214
<u>Methods inherited from class java.lang.Object</u>	214
<u>Field Detail</u>	214
<u>Constructor Detail</u>	214
<u>Method Detail</u>	215
Class MxPacs00900108.....	215
<u>Field Summary</u>	
<u>Fields inherited from class com.prowidesoftware.swift.model.mx.AbstractMX</u>	
<u>Constructor Summary</u>	
<u>Method Summary</u>	
<u>Methods inherited from class com.prowidesoftware.swift.model.mx.AbstractMX</u>	
<u>Methods inherited from class com.prowidesoftware.swift.model.AbstractMessage</u>	
<u>Methods inherited from class java.lang.Object</u>	
<u>Field Detail</u>	
<u>Constructor Detail</u>	

Table of Contents

Hierarchy For Package com.prowidesoftware.swift.model

Method Detail

Class MxPacs00900109

Field Summary

Fields inherited from class com.prowidesoftware.swift.model.mx.AbstractMX

Constructor Summary

Method Summary

Methods inherited from class com.prowidesoftware.swift.model.mx.AbstractMX

Methods inherited from class com.prowidesoftware.swift.model.AbstractMessage

Methods inherited from class java.lang.Object

Field Detail

Constructor Detail

Method Detail

Class MxPacs00900110

Field Summary

Fields inherited from class com.prowidesoftware.swift.model.mx.AbstractMX

Constructor Summary

Method Summary

Methods inherited from class com.prowidesoftware.swift.model.mx.AbstractMX

Methods inherited from class com.prowidesoftware.swift.model.AbstractMessage

Methods inherited from class java.lang.Object

Field Detail

Constructor Detail

Method Detail

Class MxPacs00900111

Field Summary

Fields inherited from class com.prowidesoftware.swift.model.mx.AbstractMX

Constructor Summary

Method Summary

Methods inherited from class com.prowidesoftware.swift.model.mx.AbstractMX

Methods inherited from class com.prowidesoftware.swift.model.AbstractMessage

Methods inherited from class java.lang.Object

Field Detail

Constructor Detail

Method Detail

Package com.providesoftware.swift.model

- Class Summary

Class	Description
<u>MxId</u>	Class for identification of MX messages.
<u>MxNode</u>	This class represents a node element within a tree of MX message.
<u>MxSwiftMessage</u>	MX (ISO 20022) messages entity for JPA persistence.
<u>SettlementInfo</u>	Simple DTO to hold Settlement Information.

- Enum Summary

Enum	Description
<u>MxBusinessProcess</u>	SWIFT business process classification for MX messages.
<u>SettlementMethod</u>	Enum representing different settlement methods for financial transactions.

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

JavaScript is disabled on your browser.

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)

- SEARCH:

JavaScript is disabled on your browser.

Hierarchy For Package com.prowidesoftware.swift.model

Package Hierarchies:

- [All Packages](#)

Class Hierarchy

- java.lang.Object
 - ◆ com.prowidesoftware.swift.model.AbstractSwiftMessage (implements com.prowidesoftware.JsonSerializable, java.io.Serializable)
 - ◇ com.prowidesoftware.swift.model.[MxSwiftMessage](#)
 - ◆ com.prowidesoftware.swift.model.[MxId](#)
 - ◆ com.prowidesoftware.swift.model.[MxNode](#)
 - ◆ com.prowidesoftware.swift.model.[SettlementInfo](#)

Enum Hierarchy

- java.lang.Object
 - ◆ java.lang.Enum<E> (implements java.lang.Comparable<T>, java.io.Serializable)
 - ◇ com.prowidesoftware.swift.model.[MxBusinessProcess](#)
 - ◇ com.prowidesoftware.swift.model.[SettlementMethod](#)

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

JavaScript is disabled on your browser.

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)

- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Field](#) |
- [Constr](#) |
- [Method](#)
- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)

Package [com.prowidesoftware.swift.model.mx](#)

Class AbstractMX

- java.lang.Object
 - ♦ com.prowidesoftware.swift.model.AbstractMessage
 - ♦ ◇ com.prowidesoftware.swift.model.mx.AbstractMX

- All Implemented Interfaces:

`com.prowidesoftware.JsonSerializable`

Direct Known Subclasses:

[MxCaaa00100101](#), [MxCaaa00100102](#), [MxCaaa00100103](#), [MxCaaa00100104](#),
[MxCaaa00100105](#), [MxCaaa00100106](#), [MxCaaa00100107](#), [MxCaaa00100108](#),
[MxCaaa00100109](#), [MxCaaa00100110](#), [MxCaaa00100111](#), [MxCaaa00100113](#),
[MxCaaa00200101](#), [MxCaaa00200102](#), [MxCaaa00200103](#), [MxCaaa00200104](#),
[MxCaaa00200105](#), [MxCaaa00200106](#), [MxCaaa00200107](#), [MxCaaa00200108](#),
[MxCaaa00200109](#), [MxCaaa00200110](#), [MxCaaa00200111](#), [MxCaaa00200113](#),
[MxCaaa00300101](#), [MxCaaa00300102](#), [MxCaaa00300103](#), [MxCaaa00300104](#),
[MxCaaa00300105](#), [MxCaaa00300106](#), [MxCaaa00300107](#), [MxCaaa00300108](#),
[MxCaaa00300109](#), [MxCaaa00300110](#), [MxCaaa00300111](#), [MxCaaa00300113](#),
[MxCaaa00400101](#), [MxCaaa00400102](#), [MxCaaa00400103](#), [MxCaaa00400104](#),
[MxCaaa00400105](#), [MxCaaa00400106](#), [MxCaaa00400107](#), [MxCaaa00400108](#),
[MxCaaa00400109](#), [MxCaaa00400110](#), [MxCaaa00400112](#), [MxCaaa00500101](#),
[MxCaaa00500102](#), [MxCaaa00500103](#), [MxCaaa00500104](#), [MxCaaa00500105](#),
[MxCaaa00500106](#), [MxCaaa00500107](#), [MxCaaa00500108](#), [MxCaaa00500109](#),
[MxCaaa00500110](#), [MxCaaa00500111](#), [MxCaaa00500113](#), [MxCaaa00600101](#),
[MxCaaa00600102](#), [MxCaaa00600103](#), [MxCaaa00600104](#), [MxCaaa00600105](#),
[MxCaaa00600106](#), [MxCaaa00600107](#), [MxCaaa00600108](#), [MxCaaa00600109](#),

MxBusinessProcess (Provide ISO 2022 API Reference)

MxCaaa00600110, MxCaaa00600112, MxCaaa00700101, MxCaaa00700102,
MxCaaa00700103, MxCaaa00700104, MxCaaa00700105, MxCaaa00700106,
MxCaaa00700107, MxCaaa00700108, MxCaaa00700109, MxCaaa00700110,
MxCaaa00700111, MxCaaa00700113, MxCaaa00800101, MxCaaa00800102,
MxCaaa00800103, MxCaaa00800104, MxCaaa00800105, MxCaaa00800106,
MxCaaa00800107, MxCaaa00800108, MxCaaa00800109, MxCaaa00800110,
MxCaaa00800112, MxCaaa00900101, MxCaaa00900102, MxCaaa00900103,
MxCaaa00900104, MxCaaa00900105, MxCaaa00900106, MxCaaa00900107,
MxCaaa00900108, MxCaaa00900109, MxCaaa00900110, MxCaaa00900112,
MxCaaa01000101, MxCaaa01000102, MxCaaa01000103, MxCaaa01000104,
MxCaaa01000105, MxCaaa01000106, MxCaaa01000107, MxCaaa01000108,
MxCaaa01000109, MxCaaa01000111, MxCaaa01100101, MxCaaa01100102,
MxCaaa01100103, MxCaaa01100104, MxCaaa01100105, MxCaaa01100106,
MxCaaa01100107, MxCaaa01100108, MxCaaa01100109, MxCaaa01100110,
MxCaaa01100111, MxCaaa01100113, MxCaaa01200101, MxCaaa01200102,
MxCaaa01200103, MxCaaa01200104, MxCaaa01200105, MxCaaa01200106,
MxCaaa01200107, MxCaaa01200108, MxCaaa01200109, MxCaaa01200110,
MxCaaa01200112, MxCaaa01300101, MxCaaa01300102, MxCaaa01300103,
MxCaaa01300104, MxCaaa01300105, MxCaaa01300106, MxCaaa01300107,
MxCaaa01300108, MxCaaa01300109, MxCaaa01300110, MxCaaa01300112,
MxCaaa01400101, MxCaaa01400102, MxCaaa01400103, MxCaaa01400104,
MxCaaa01400105, MxCaaa01400106, MxCaaa01400107, MxCaaa01400108,
MxCaaa01400109, MxCaaa01400111, MxCaaa01500101, MxCaaa01500102,
MxCaaa01500103, MxCaaa01500104, MxCaaa01500105, MxCaaa01500106,
MxCaaa01600101, MxCaaa01600102, MxCaaa01600103, MxCaaa01600104,
MxCaaa01600105, MxCaaa01600106, MxCaaa01600107, MxCaaa01600108,
MxCaaa01600109, MxCaaa01600111, MxCaaa01700101, MxCaaa01700102,
MxCaaa01700103, MxCaaa01700104, MxCaaa01700105, MxCaaa01700106,
MxCaaa01700107, MxCaaa01700108, MxCaaa01700109, MxCaaa01700111,
MxCaaa01800101, MxCaaa01800102, MxCaaa01800103, MxCaaa01800104,
MxCaaa01800105, MxCaaa01800106, MxCaaa01800108, MxCaaa01900101,
MxCaaa01900102, MxCaaa01900103, MxCaaa01900104, MxCaaa01900105,
MxCaaa01900107, MxCaaa02000101, MxCaaa02000102, MxCaaa02000103,
MxCaaa02000105, MxCaaa02100101, MxCaaa02100102, MxCaaa02100103,
MxCaaa02100105, MxCaaa02200101, MxCaaa02200102, MxCaaa02200104,
MxCaaa02300101, MxCaaa02300102, MxCaaa02300104, MxCaaa02400101,
MxCaaa02400102, MxCaaa02400104, MxCaaa02500101, MxCaaa02500102,
MxCaaa02500104, MxCaaa02600101, MxCaaa02700101, MxCaad00100101,
MxCaad00100102, MxCaad00200101, MxCaad00200102, MxCaad00300101,
MxCaad00300102, MxCaad00400101, MxCaad00400102, MxCaad00500102,
MxCaad00500103, MxCaad00600102, MxCaad00600103, MxCaad00700102,
MxCaad00700103, MxCaad00800101, MxCaad00900101, MxCaad01000101,
MxCaam00100101, MxCaam00100102, MxCaam00100103, MxCaam00200101,
MxCaam00200102, MxCaam00200103, MxCaam00300101, MxCaam00300102,
MxCaam00300103, MxCaam00400101, MxCaam00400102, MxCaam00400103,
MxCaam00500101, MxCaam00500102, MxCaam00600101, MxCaam00600102,
MxCaam00700101, MxCaam00800101, MxCaam00900101, MxCaam00900102,
MxCaam01000101, MxCaam01000102, MxCaam01100101, MxCaam01200101,
MxCafc00100101, MxCafc00100102, MxCafc00200101, MxCafc00200102,
MxCain00100101, MxCain00100102, MxCain00100103, MxCain00200101,
MxCain00200102, MxCain00200103, MxCain00300101, MxCain00300102,

MxBusinessProcess (Provide ISO 20022 API Reference)

[MxCain00300103](#), [MxCain00400101](#), [MxCain00400102](#), [MxCain00400103](#),
[MxCain00500101](#), [MxCain00500102](#), [MxCain00500103](#), [MxCain00600101](#),
[MxCain00600102](#), [MxCain00600103](#), [MxCain00700101](#), [MxCain00800101](#),
[MxCain00900101](#), [MxCain01000101](#), [MxCain01100101](#), [MxCain01200101](#),
[MxCain01300101](#), [MxCain01400101](#), [MxCain01400102](#), [MxCain01500101](#),
[MxCain01500102](#), [MxCain01600101](#), [MxCain01600102](#), [MxCain01700101](#),
[MxCain01700102](#), [MxCain01800101](#), [MxCain01800102](#), [MxCain01900101](#),
[MxCain01900102](#), [MxCain02000101](#), [MxCain02000102](#), [MxCain02100101](#),
[MxCain02100102](#), [MxCain02200101](#), [MxCain02200102](#), [MxCain02300101](#),
[MxCain02300102](#), [MxCain02400101](#), [MxCain02400102](#), [MxCain02500101](#),
[MxCain02500102](#), [MxCain02600101](#), [MxCain02600102](#), [MxCain02700101](#),
[MxCain02700102](#), [MxCain02800101](#), [MxCain02800102](#), [MxCamt00300102](#),
[MxCamt00300103](#), [MxCamt00300104](#), [MxCamt00300105](#), [MxCamt00300106](#),
[MxCamt00300107](#), [MxCamt00300108](#), [MxCamt00400102](#), [MxCamt00400103](#),
[MxCamt00400104](#), [MxCamt00400105](#), [MxCamt00400106](#), [MxCamt00400107](#),
[MxCamt00400108](#), [MxCamt00400109](#), [MxCamt00400110](#), [MxCamt00500103](#),
[MxCamt00500104](#), [MxCamt00500105](#), [MxCamt00500106](#), [MxCamt00500107](#),
[MxCamt00500108](#), [MxCamt00500109](#), [MxCamt00500110](#), [MxCamt00500111](#),
[MxCamt00600102](#), [MxCamt00600103](#), [MxCamt00600104](#), [MxCamt00600105](#),
[MxCamt00600106](#), [MxCamt00600107](#), [MxCamt00600108](#), [MxCamt00600109](#),
[MxCamt00600110](#), [MxCamt00600111](#), [MxCamt00700102](#), [MxCamt00700103](#),
[MxCamt00700104](#), [MxCamt00700105](#), [MxCamt00700106](#), [MxCamt00700107](#),
[MxCamt00700108](#), [MxCamt00700109](#), [MxCamt00700110](#), [MxCamt00700201](#),
[MxCamt00700202](#), [MxCamt00700203](#), [MxCamt00800102](#), [MxCamt00800103](#),
[MxCamt00800104](#), [MxCamt00800105](#), [MxCamt00800106](#), [MxCamt00800107](#),
[MxCamt00800108](#), [MxCamt00800109](#), [MxCamt00800110](#), [MxCamt00800111](#),
[MxCamt00800201](#), [MxCamt00800202](#), [MxCamt00900103](#), [MxCamt00900104](#),
[MxCamt00900105](#), [MxCamt00900106](#), [MxCamt00900107](#), [MxCamt00900108](#),
[MxCamt01000102](#), [MxCamt01000103](#), [MxCamt01000104](#), [MxCamt01000105](#),
[MxCamt01000106](#), [MxCamt01000107](#), [MxCamt01000108](#), [MxCamt01000109](#),
[MxCamt01100102](#), [MxCamt01100103](#), [MxCamt01100104](#), [MxCamt01100105](#),
[MxCamt01100106](#), [MxCamt01100107](#), [MxCamt01100108](#), [MxCamt01200102](#),
[MxCamt01200103](#), [MxCamt01200104](#), [MxCamt01200105](#), [MxCamt01200106](#),
[MxCamt01200107](#), [MxCamt01200108](#), [MxCamt01300101](#), [MxCamt01300102](#),
[MxCamt01300103](#), [MxCamt01300104](#), [MxCamt01400101](#), [MxCamt01400102](#),
[MxCamt01400103](#), [MxCamt01400104](#), [MxCamt01400105](#), [MxCamt01500101](#),
[MxCamt01500102](#), [MxCamt01500103](#), [MxCamt01500104](#), [MxCamt01600101](#),
[MxCamt01600102](#), [MxCamt01600103](#), [MxCamt01600104](#), [MxCamt01700101](#),
[MxCamt01700102](#), [MxCamt01700103](#), [MxCamt01700104](#), [MxCamt01700105](#),
[MxCamt01800101](#), [MxCamt01800102](#), [MxCamt01800103](#), [MxCamt01800104](#),
[MxCamt01800105](#), [MxCamt01900102](#), [MxCamt01900103](#), [MxCamt01900104](#),
[MxCamt01900105](#), [MxCamt01900106](#), [MxCamt01900107](#), [MxCamt02000101](#),
[MxCamt02000102](#), [MxCamt02000103](#), [MxCamt02000104](#), [MxCamt02100101](#),
[MxCamt02100102](#), [MxCamt02100103](#), [MxCamt02100104](#), [MxCamt02100105](#),
[MxCamt02100106](#), [MxCamt02300102](#), [MxCamt02300103](#), [MxCamt02300104](#),
[MxCamt02300105](#), [MxCamt02300106](#), [MxCamt02300107](#), [MxCamt02400102](#),
[MxCamt02400103](#), [MxCamt02400104](#), [MxCamt02400105](#), [MxCamt02400106](#),
[MxCamt02400107](#), [MxCamt02400108](#), [MxCamt02500101](#), [MxCamt02500102](#),
[MxCamt02500103](#), [MxCamt02500104](#), [MxCamt02500105](#), [MxCamt02500106](#),
[MxCamt02500107](#), [MxCamt02500108](#), [MxCamt02600101](#), [MxCamt02600102](#),
[MxCamt02600103](#), [MxCamt02600104](#), [MxCamt02600105](#), [MxCamt02600106](#),

MxBusinessProcess (Provide ISO 20022 API Reference)

[MxCamt02600107](#), [MxCamt02600108](#), [MxCamt02600109](#), [MxCamt02600110](#),
[MxCamt02700101](#), [MxCamt02700102](#), [MxCamt02700103](#), [MxCamt02700104](#),
[MxCamt02700105](#), [MxCamt02700106](#), [MxCamt02700107](#), [MxCamt02700108](#),
[MxCamt02700109](#), [MxCamt02700110](#), [MxCamt02800101](#), [MxCamt02800102](#),
[MxCamt02800103](#), [MxCamt02800104](#), [MxCamt02800105](#), [MxCamt02800106](#),
[MxCamt02800107](#), [MxCamt02800108](#), [MxCamt02800109](#), [MxCamt02800110](#),
[MxCamt02800111](#), [MxCamt02800112](#), [MxCamt02900101](#), [MxCamt02900102](#),
[MxCamt02900103](#), [MxCamt02900104](#), [MxCamt02900105](#), [MxCamt02900106](#),
[MxCamt02900107](#), [MxCamt02900108](#), [MxCamt02900109](#), [MxCamt02900110](#),
[MxCamt02900111](#), [MxCamt02900112](#), [MxCamt02900113](#), [MxCamt03000101](#),
[MxCamt03000102](#), [MxCamt03000103](#), [MxCamt03000104](#), [MxCamt03000105](#),
[MxCamt03000106](#), [MxCamt03100101](#), [MxCamt03100102](#), [MxCamt03100103](#),
[MxCamt03100104](#), [MxCamt03100105](#), [MxCamt03100106](#), [MxCamt03100107](#),
[MxCamt03200101](#), [MxCamt03200102](#), [MxCamt03200103](#), [MxCamt03200104](#),
[MxCamt03200105](#), [MxCamt03300101](#), [MxCamt03300102](#), [MxCamt03300103](#),
[MxCamt03300104](#), [MxCamt03300105](#), [MxCamt03300106](#), [MxCamt03300107](#),
[MxCamt03400101](#), [MxCamt03400102](#), [MxCamt03400103](#), [MxCamt03400104](#),
[MxCamt03400105](#), [MxCamt03400106](#), [MxCamt03400107](#), [MxCamt03500101](#),
[MxCamt03500102](#), [MxCamt03500103](#), [MxCamt03500104](#), [MxCamt03500105](#),
[MxCamt03500106](#), [MxCamt03600101](#), [MxCamt03600102](#), [MxCamt03600103](#),
[MxCamt03600104](#), [MxCamt03600105](#), [MxCamt03600106](#), [MxCamt03700101](#),
[MxCamt03700102](#), [MxCamt03700103](#), [MxCamt03700104](#), [MxCamt03700105](#),
[MxCamt03700106](#), [MxCamt03700107](#), [MxCamt03700108](#), [MxCamt03700109](#),
[MxCamt03700110](#), [MxCamt03800101](#), [MxCamt03800102](#), [MxCamt03800103](#),
[MxCamt03800104](#), [MxCamt03800105](#), [MxCamt03900101](#), [MxCamt03900102](#),
[MxCamt03900103](#), [MxCamt03900104](#), [MxCamt03900105](#), [MxCamt03900106](#),
[MxCamt04000102](#), [MxCamt04000103](#), [MxCamt04000104](#), [MxCamt04100102](#),
[MxCamt04100103](#), [MxCamt04100104](#), [MxCamt04200102](#), [MxCamt04200103](#),
[MxCamt04200104](#), [MxCamt04300102](#), [MxCamt04300103](#), [MxCamt04300104](#),
[MxCamt04400101](#), [MxCamt04400102](#), [MxCamt04400103](#), [MxCamt04500101](#),
[MxCamt04500102](#), [MxCamt04500103](#), [MxCamt04600101](#), [MxCamt04600102](#),
[MxCamt04600103](#), [MxCamt04600104](#), [MxCamt04600105](#), [MxCamt04600106](#),
[MxCamt04600107](#), [MxCamt04600108](#), [MxCamt04700101](#), [MxCamt04700102](#),
[MxCamt04700103](#), [MxCamt04700104](#), [MxCamt04700105](#), [MxCamt04700106](#),
[MxCamt04700107](#), [MxCamt04700108](#), [MxCamt04800101](#), [MxCamt04800102](#),
[MxCamt04800103](#), [MxCamt04800104](#), [MxCamt04800105](#), [MxCamt04800106](#),
[MxCamt04800107](#), [MxCamt04900101](#), [MxCamt04900102](#), [MxCamt04900103](#),
[MxCamt04900104](#), [MxCamt04900105](#), [MxCamt04900106](#), [MxCamt04900107](#),
[MxCamt05000101](#), [MxCamt05000102](#), [MxCamt05000103](#), [MxCamt05000104](#),
[MxCamt05000105](#), [MxCamt05000106](#), [MxCamt05000107](#), [MxCamt05100101](#),
[MxCamt05100102](#), [MxCamt05100103](#), [MxCamt05100104](#), [MxCamt05100105](#),
[MxCamt05100106](#), [MxCamt05100107](#), [MxCamt05200101](#), [MxCamt05200102](#),
[MxCamt05200103](#), [MxCamt05200104](#), [MxCamt05200105](#), [MxCamt05200106](#),
[MxCamt05200107](#), [MxCamt05200108](#), [MxCamt05200109](#), [MxCamt05200110](#),
[MxCamt05200111](#), [MxCamt05200112](#), [MxCamt05300101](#), [MxCamt05300102](#),
[MxCamt05300103](#), [MxCamt05300104](#), [MxCamt05300105](#), [MxCamt05300106](#),
[MxCamt05300107](#), [MxCamt05300108](#), [MxCamt05300109](#), [MxCamt05300110](#),
[MxCamt05300111](#), [MxCamt05300112](#), [MxCamt05400101](#), [MxCamt05400102](#),
[MxCamt05400103](#), [MxCamt05400104](#), [MxCamt05400105](#), [MxCamt05400106](#),
[MxCamt05400107](#), [MxCamt05400108](#), [MxCamt05400109](#), [MxCamt05400110](#),
[MxCamt05400111](#), [MxCamt05400112](#), [MxCamt05500101](#), [MxCamt05500102](#),

MxBusinessProcess (Provide ISO 20022 API Reference)

[MxCamt05500103](#), [MxCamt05500104](#), [MxCamt05500105](#), [MxCamt05500106](#),
[MxCamt05500107](#), [MxCamt05500108](#), [MxCamt05500109](#), [MxCamt05500110](#),
[MxCamt05500111](#), [MxCamt05500112](#), [MxCamt05600101](#), [MxCamt05600102](#),
[MxCamt05600103](#), [MxCamt05600104](#), [MxCamt05600105](#), [MxCamt05600106](#),
[MxCamt05600107](#), [MxCamt05600108](#), [MxCamt05600109](#), [MxCamt05600110](#),
[MxCamt05600111](#), [MxCamt05700101](#), [MxCamt05700102](#), [MxCamt05700103](#),
[MxCamt05700104](#), [MxCamt05700105](#), [MxCamt05700106](#), [MxCamt05700107](#),
[MxCamt05700108](#), [MxCamt05800101](#), [MxCamt05800102](#), [MxCamt05800103](#),
[MxCamt05800104](#), [MxCamt05800105](#), [MxCamt05800106](#), [MxCamt05800107](#),
[MxCamt05800108](#), [MxCamt05800109](#), [MxCamt05900101](#), [MxCamt05900102](#),
[MxCamt05900103](#), [MxCamt05900104](#), [MxCamt05900105](#), [MxCamt05900106](#),
[MxCamt05900107](#), [MxCamt05900108](#), [MxCamt06000101](#), [MxCamt06000102](#),
[MxCamt06000103](#), [MxCamt06000104](#), [MxCamt06000105](#), [MxCamt06000106](#),
[MxCamt06000107](#), [MxCamt06100101](#), [MxCamt06100102](#), [MxCamt06200101](#),
[MxCamt06200102](#), [MxCamt06200103](#), [MxCamt06300101](#), [MxCamt06300102](#),
[MxCamt06600101](#), [MxCamt06600102](#), [MxCamt06700101](#), [MxCamt06700102](#),
[MxCamt06800101](#), [MxCamt06800102](#), [MxCamt06900101](#), [MxCamt06900102](#),
[MxCamt06900103](#), [MxCamt06900104](#), [MxCamt06900105](#), [MxCamt07000101](#),
[MxCamt07000102](#), [MxCamt07000103](#), [MxCamt07000104](#), [MxCamt07000105](#),
[MxCamt07000106](#), [MxCamt07100102](#), [MxCamt07100103](#), [MxCamt07100104](#),
[MxCamt07100105](#), [MxCamt07200101](#), [MxCamt07200102](#), [MxCamt07300101](#),
[MxCamt07300102](#), [MxCamt07400101](#), [MxCamt07400102](#), [MxCamt07500101](#),
[MxCamt07500102](#), [MxCamt07800101](#), [MxCamt07800102](#), [MxCamt07900101](#),
[MxCamt07900102](#), [MxCamt08000101](#), [MxCamt08000102](#), [MxCamt08100101](#),
[MxCamt08100102](#), [MxCamt08200101](#), [MxCamt08200102](#), [MxCamt08300101](#),
[MxCamt08300102](#), [MxCamt08400101](#), [MxCamt08400102](#), [MxCamt08500101](#),
[MxCamt08500102](#), [MxCamt08600101](#), [MxCamt08600102](#), [MxCamt08600103](#),
[MxCamt08600104](#), [MxCamt08600105](#), [MxCamt08700101](#), [MxCamt08700102](#),
[MxCamt08700103](#), [MxCamt08700104](#), [MxCamt08700105](#), [MxCamt08700106](#),
[MxCamt08700107](#), [MxCamt08700108](#), [MxCamt08700109](#), [MxCamt08800101](#),
[MxCamt08800102](#), [MxCamt10100101](#), [MxCamt10100102](#), [MxCamt10200101](#),
[MxCamt10200102](#), [MxCamt10200103](#), [MxCamt10300101](#), [MxCamt10300102](#),
[MxCamt10300103](#), [MxCamt10400101](#), [MxCamt10500101](#), [MxCamt10500102](#),
[MxCamt10600101](#), [MxCamt10600102](#), [MxCamt10700101](#), [MxCamt10700102](#),
[MxCamt10800101](#), [MxCamt10800102](#), [MxCamt10900101](#), [MxCamt10900102](#),
[MxCamt11000101](#), [MxCamt11100101](#), [MxCamt99800101](#), [MxCamt99800102](#),
[MxCamt99800103](#), [MxPacs00200102](#), [MxPacs00200103](#), [MxPacs00200104](#),
[MxPacs00200105](#), [MxPacs00200106](#), [MxPacs00200107](#), [MxPacs00200108](#),
[MxPacs00200109](#), [MxPacs00200110](#), [MxPacs00200111](#), [MxPacs00200112](#),
[MxPacs00200113](#), [MxPacs00200114](#), [MxPacs00300101](#), [MxPacs00300102](#),
[MxPacs00300103](#), [MxPacs00300104](#), [MxPacs00300105](#), [MxPacs00300106](#),
[MxPacs00300107](#), [MxPacs00300108](#), [MxPacs00300109](#), [MxPacs00300110](#),
[MxPacs00300111](#), [MxPacs00400101](#), [MxPacs00400102](#), [MxPacs00400103](#),
[MxPacs00400104](#), [MxPacs00400105](#), [MxPacs00400106](#), [MxPacs00400107](#),
[MxPacs00400108](#), [MxPacs00400109](#), [MxPacs00400110](#), [MxPacs00400111](#),
[MxPacs00400112](#), [MxPacs00400113](#), [MxPacs00600101](#), [MxPacs00700101](#),
[MxPacs00700102](#), [MxPacs00700103](#), [MxPacs00700104](#), [MxPacs00700105](#),
[MxPacs00700106](#), [MxPacs00700107](#), [MxPacs00700108](#), [MxPacs00700109](#),
[MxPacs00700110](#), [MxPacs00700111](#), [MxPacs00700112](#), [MxPacs00700113](#),
[MxPacs00800101](#), [MxPacs00800102](#), [MxPacs00800103](#), [MxPacs00800104](#),
[MxPacs00800105](#), [MxPacs00800106](#), [MxPacs00800107](#), [MxPacs00800108](#),

MxBusinessProcess (Provide ISO 20022 API Reference)

[MxPacs00800109](#), [MxPacs00800110](#), [MxPacs00800111](#), [MxPacs00800112](#),
[MxPacs00900101](#), [MxPacs00900102](#), [MxPacs00900103](#), [MxPacs00900104](#),
[MxPacs00900105](#), [MxPacs00900106](#), [MxPacs00900107](#), [MxPacs00900108](#),
[MxPacs00900109](#), [MxPacs00900110](#), [MxPacs00900111](#), [MxPacs01000101](#),
[MxPacs01000102](#), [MxPacs01000103](#), [MxPacs01000104](#), [MxPacs01000105](#),
[MxPacs01000106](#), [MxPacs02800101](#), [MxPacs02800102](#), [MxPacs02800103](#),
[MxPacs02800104](#), [MxPacs02800105](#), [MxPacs02800106](#), [MxPacs02900101](#),
[MxPacs02900102](#), [MxPain00100102](#), [MxPain00100103](#), [MxPain00100104](#),
[MxPain00100105](#), [MxPain00100106](#), [MxPain00100107](#), [MxPain00100108](#),
[MxPain00100109](#), [MxPain00100110](#), [MxPain00100111](#), [MxPain00100112](#),
[MxPain00200102](#), [MxPain00200103](#), [MxPain00200104](#), [MxPain00200105](#),
[MxPain00200106](#), [MxPain00200107](#), [MxPain00200108](#), [MxPain00200109](#),
[MxPain00200110](#), [MxPain00200111](#), [MxPain00200112](#), [MxPain00200113](#),
[MxPain00200114](#), [MxPain00600101](#), [MxPain00700101](#), [MxPain00700102](#),
[MxPain00700103](#), [MxPain00700104](#), [MxPain00700105](#), [MxPain00700106](#),
[MxPain00700107](#), [MxPain00700108](#), [MxPain00700109](#), [MxPain00700110](#),
[MxPain00700111](#), [MxPain00700112](#), [MxPain00800101](#), [MxPain00800102](#),
[MxPain00800103](#), [MxPain00800104](#), [MxPain00800105](#), [MxPain00800106](#),
[MxPain00800107](#), [MxPain00800108](#), [MxPain00800109](#), [MxPain00800110](#),
[MxPain00800111](#), [MxPain00900101](#), [MxPain00900102](#), [MxPain00900103](#),
[MxPain00900104](#), [MxPain00900105](#), [MxPain00900106](#), [MxPain00900107](#),
[MxPain00900108](#), [MxPain01000101](#), [MxPain01000102](#), [MxPain01000103](#),
[MxPain01000104](#), [MxPain01000105](#), [MxPain01000106](#), [MxPain01000107](#),
[MxPain01000108](#), [MxPain01100101](#), [MxPain01100102](#), [MxPain01100103](#),
[MxPain01100104](#), [MxPain01100105](#), [MxPain01100106](#), [MxPain01100107](#),
[MxPain01100108](#), [MxPain01200101](#), [MxPain01200102](#), [MxPain01200103](#),
[MxPain01200104](#), [MxPain01200105](#), [MxPain01200106](#), [MxPain01200107](#),
[MxPain01200108](#), [MxPain01300101](#), [MxPain01300102](#), [MxPain01300103](#),
[MxPain01300104](#), [MxPain01300105](#), [MxPain01300106](#), [MxPain01300107](#),
[MxPain01300108](#), [MxPain01300109](#), [MxPain01300110](#), [MxPain01300111](#),
[MxPain01400101](#), [MxPain01400102](#), [MxPain01400103](#), [MxPain01400104](#),
[MxPain01400105](#), [MxPain01400106](#), [MxPain01400107](#), [MxPain01400108](#),
[MxPain01400109](#), [MxPain01400110](#), [MxPain01400111](#), [MxPain01700101](#),
[MxPain01700102](#), [MxPain01700103](#), [MxPain01700104](#), [MxPain01800101](#),
[MxPain01800102](#), [MxPain01800103](#), [MxPain01800104](#), [MxPain99800101](#),
[MxPain99800103](#), [MxSeev00100101](#), [MxSeev00100102](#), [MxSeev00100103](#),
[MxSeev00100104](#), [MxSeev00100105](#), [MxSeev00100106](#), [MxSeev00100107](#),
[MxSeev00100108](#), [MxSeev00100109](#), [MxSeev00100110](#), [MxSeev00100111](#),
[MxSeev00200101](#), [MxSeev00200102](#), [MxSeev00200103](#), [MxSeev00200104](#),
[MxSeev00200105](#), [MxSeev00200106](#), [MxSeev00200107](#), [MxSeev00200108](#),
[MxSeev00200109](#), [MxSeev00300101](#), [MxSeev00300102](#), [MxSeev00300103](#),
[MxSeev00300104](#), [MxSeev00300105](#), [MxSeev00300106](#), [MxSeev00300107](#),
[MxSeev00300108](#), [MxSeev00300109](#), [MxSeev00400101](#), [MxSeev00400102](#),
[MxSeev00400103](#), [MxSeev00400104](#), [MxSeev00400105](#), [MxSeev00400106](#),
[MxSeev00400107](#), [MxSeev00400108](#), [MxSeev00400109](#), [MxSeev00500101](#),
[MxSeev00500102](#), [MxSeev00500103](#), [MxSeev00500104](#), [MxSeev00500105](#),
[MxSeev00500106](#), [MxSeev00500107](#), [MxSeev00500108](#), [MxSeev00500109](#),
[MxSeev00600101](#), [MxSeev00600102](#), [MxSeev00600103](#), [MxSeev00600104](#),
[MxSeev00600105](#), [MxSeev00600106](#), [MxSeev00600107](#), [MxSeev00600108](#),
[MxSeev00600109](#), [MxSeev00600110](#), [MxSeev00700101](#), [MxSeev00700102](#),
[MxSeev00700103](#), [MxSeev00700104](#), [MxSeev00700105](#), [MxSeev00700106](#),

MxBusinessProcess (Provide ISO 2002 API Reference)

[MxSeev00700107](#), [MxSeev00700108](#), [MxSeev00700109](#), [MxSeev00700110](#),
[MxSeev00800101](#), [MxSeev00800102](#), [MxSeev00800103](#), [MxSeev00800104](#),
[MxSeev00800105](#), [MxSeev00800106](#), [MxSeev00800107](#), [MxSeev00800108](#),
[MxSeev00800109](#), [MxSeev00900101](#), [MxSeev01000101](#), [MxSeev01100101](#),
[MxSeev01100102](#), [MxSeev01200101](#), [MxSeev01300101](#), [MxSeev01400101](#),
[MxSeev01500101](#), [MxSeev01600101](#), [MxSeev01700101](#), [MxSeev01800101](#),
[MxSeev01900101](#), [MxSeev02000101](#), [MxSeev02100101](#), [MxSeev02200101](#),
[MxSeev02300101](#), [MxSeev02400101](#), [MxSeev02500101](#), [MxSeev02600101](#),
[MxSeev02700101](#), [MxSeev02800101](#), [MxSeev02900101](#), [MxSeev03000101](#),
[MxSeev03100101](#), [MxSeev03100102](#), [MxSeev03100103](#), [MxSeev03100104](#),
[MxSeev03100105](#), [MxSeev03100106](#), [MxSeev03100107](#), [MxSeev03100108](#),
[MxSeev03100109](#), [MxSeev03100110](#), [MxSeev03100111](#), [MxSeev03100112](#),
[MxSeev03100113](#), [MxSeev03100114](#), [MxSeev03100201](#), [MxSeev03100202](#),
[MxSeev03100203](#), [MxSeev03100204](#), [MxSeev03100205](#), [MxSeev03100206](#),
[MxSeev03100207](#), [MxSeev03100208](#), [MxSeev03100209](#), [MxSeev03100210](#),
[MxSeev03100211](#), [MxSeev03100212](#), [MxSeev03100213](#), [MxSeev03100214](#),
[MxSeev03200101](#), [MxSeev03200102](#), [MxSeev03200103](#), [MxSeev03200104](#),
[MxSeev03200105](#), [MxSeev03200106](#), [MxSeev03200107](#), [MxSeev03200108](#),
[MxSeev03200201](#), [MxSeev03200202](#), [MxSeev03200203](#), [MxSeev03200204](#),
[MxSeev03200205](#), [MxSeev03200206](#), [MxSeev03200207](#), [MxSeev03200208](#),
[MxSeev03300101](#), [MxSeev03300102](#), [MxSeev03300103](#), [MxSeev03300104](#),
[MxSeev03300105](#), [MxSeev03300106](#), [MxSeev03300107](#), [MxSeev03300108](#),
[MxSeev03300109](#), [MxSeev03300110](#), [MxSeev03300111](#), [MxSeev03300112](#),
[MxSeev03300201](#), [MxSeev03300202](#), [MxSeev03300203](#), [MxSeev03300204](#),
[MxSeev03300205](#), [MxSeev03300206](#), [MxSeev03300207](#), [MxSeev03300208](#),
[MxSeev03300209](#), [MxSeev03300210](#), [MxSeev03300211](#), [MxSeev03300212](#),
[MxSeev03400101](#), [MxSeev03400102](#), [MxSeev03400103](#), [MxSeev03400104](#),
[MxSeev03400105](#), [MxSeev03400106](#), [MxSeev03400107](#), [MxSeev03400108](#),
[MxSeev03400109](#), [MxSeev03400110](#), [MxSeev03400111](#), [MxSeev03400112](#),
[MxSeev03400113](#), [MxSeev03400114](#), [MxSeev03400201](#), [MxSeev03400202](#),
[MxSeev03400203](#), [MxSeev03400204](#), [MxSeev03400205](#), [MxSeev03400206](#),
[MxSeev03400207](#), [MxSeev03400208](#), [MxSeev03400209](#), [MxSeev03400210](#),
[MxSeev03400211](#), [MxSeev03400212](#), [MxSeev03400213](#), [MxSeev03400214](#),
[MxSeev03500101](#), [MxSeev03500102](#), [MxSeev03500103](#), [MxSeev03500104](#),
[MxSeev03500105](#), [MxSeev03500106](#), [MxSeev03500107](#), [MxSeev03500108](#),
[MxSeev03500109](#), [MxSeev03500110](#), [MxSeev03500111](#), [MxSeev03500112](#),
[MxSeev03500113](#), [MxSeev03500114](#), [MxSeev03500115](#), [MxSeev03500201](#),
[MxSeev03500202](#), [MxSeev03500203](#), [MxSeev03500204](#), [MxSeev03500205](#),
[MxSeev03500206](#), [MxSeev03500207](#), [MxSeev03500208](#), [MxSeev03500209](#),
[MxSeev03500210](#), [MxSeev03500211](#), [MxSeev03500212](#), [MxSeev03500213](#),
[MxSeev03500214](#), [MxSeev03500215](#), [MxSeev03600101](#), [MxSeev03600102](#),
[MxSeev03600103](#), [MxSeev03600104](#), [MxSeev03600105](#), [MxSeev03600106](#),
[MxSeev03600107](#), [MxSeev03600108](#), [MxSeev03600109](#), [MxSeev03600110](#),
[MxSeev03600111](#), [MxSeev03600112](#), [MxSeev03600113](#), [MxSeev03600114](#),
[MxSeev03600115](#), [MxSeev03600201](#), [MxSeev03600202](#), [MxSeev03600203](#),
[MxSeev03600204](#), [MxSeev03600205](#), [MxSeev03600206](#), [MxSeev03600207](#),
[MxSeev03600208](#), [MxSeev03600209](#), [MxSeev03600210](#), [MxSeev03600211](#),
[MxSeev03600212](#), [MxSeev03600213](#), [MxSeev03600214](#), [MxSeev03600215](#),
[MxSeev03700101](#), [MxSeev03700102](#), [MxSeev03700103](#), [MxSeev03700104](#),
[MxSeev03700105](#), [MxSeev03700106](#), [MxSeev03700107](#), [MxSeev03700108](#),
[MxSeev03700109](#), [MxSeev03700110](#), [MxSeev03700111](#), [MxSeev03700112](#),

MxBusinessProcess (Provide ISO 20022 API Reference)

[MxSeev03700113](#), [MxSeev03700114](#), [MxSeev03700115](#), [MxSeev03700201](#),
[MxSeev03700202](#), [MxSeev03700203](#), [MxSeev03700204](#), [MxSeev03700205](#),
[MxSeev03700206](#), [MxSeev03700207](#), [MxSeev03700208](#), [MxSeev03700209](#),
[MxSeev03700210](#), [MxSeev03700211](#), [MxSeev03700212](#), [MxSeev03700213](#),
[MxSeev03700214](#), [MxSeev03700215](#), [MxSeev03800101](#), [MxSeev03800102](#),
[MxSeev03800103](#), [MxSeev03800104](#), [MxSeev03800105](#), [MxSeev03800106](#),
[MxSeev03800107](#), [MxSeev03800108](#), [MxSeev03800201](#), [MxSeev03800202](#),
[MxSeev03800203](#), [MxSeev03800204](#), [MxSeev03800205](#), [MxSeev03800206](#),
[MxSeev03800207](#), [MxSeev03800208](#), [MxSeev03900101](#), [MxSeev03900102](#),
[MxSeev03900103](#), [MxSeev03900104](#), [MxSeev03900105](#), [MxSeev03900106](#),
[MxSeev03900107](#), [MxSeev03900108](#), [MxSeev03900109](#), [MxSeev03900110](#),
[MxSeev03900111](#), [MxSeev03900112](#), [MxSeev03900201](#), [MxSeev03900202](#),
[MxSeev03900203](#), [MxSeev03900204](#), [MxSeev03900205](#), [MxSeev03900206](#),
[MxSeev03900207](#), [MxSeev03900208](#), [MxSeev03900209](#), [MxSeev03900210](#),
[MxSeev03900211](#), [MxSeev03900212](#), [MxSeev04000101](#), [MxSeev04000102](#),
[MxSeev04000103](#), [MxSeev04000104](#), [MxSeev04000105](#), [MxSeev04000106](#),
[MxSeev04000107](#), [MxSeev04000108](#), [MxSeev04000109](#), [MxSeev04000110](#),
[MxSeev04000111](#), [MxSeev04000112](#), [MxSeev04000201](#), [MxSeev04000202](#),
[MxSeev04000203](#), [MxSeev04000204](#), [MxSeev04000205](#), [MxSeev04000206](#),
[MxSeev04000207](#), [MxSeev04000208](#), [MxSeev04000209](#), [MxSeev04000210](#),
[MxSeev04000211](#), [MxSeev04000212](#), [MxSeev04100101](#), [MxSeev04100102](#),
[MxSeev04100103](#), [MxSeev04100104](#), [MxSeev04100105](#), [MxSeev04100106](#),
[MxSeev04100107](#), [MxSeev04100108](#), [MxSeev04100109](#), [MxSeev04100110](#),
[MxSeev04100111](#), [MxSeev04100112](#), [MxSeev04100113](#), [MxSeev04100201](#),
[MxSeev04100202](#), [MxSeev04100203](#), [MxSeev04100204](#), [MxSeev04100205](#),
[MxSeev04100206](#), [MxSeev04100207](#), [MxSeev04100208](#), [MxSeev04100209](#),
[MxSeev04100210](#), [MxSeev04100211](#), [MxSeev04100212](#), [MxSeev04100213](#),
[MxSeev04200101](#), [MxSeev04200102](#), [MxSeev04200103](#), [MxSeev04200104](#),
[MxSeev04200105](#), [MxSeev04200106](#), [MxSeev04200107](#), [MxSeev04200108](#),
[MxSeev04200109](#), [MxSeev04200110](#), [MxSeev04200111](#), [MxSeev04200112](#),
[MxSeev04200201](#), [MxSeev04200202](#), [MxSeev04200203](#), [MxSeev04200204](#),
[MxSeev04200205](#), [MxSeev04200206](#), [MxSeev04200207](#), [MxSeev04200208](#),
[MxSeev04200209](#), [MxSeev04200210](#), [MxSeev04200211](#), [MxSeev04200212](#),
[MxSeev04400101](#), [MxSeev04400102](#), [MxSeev04400103](#), [MxSeev04400104](#),
[MxSeev04400105](#), [MxSeev04400106](#), [MxSeev04400107](#), [MxSeev04400108](#),
[MxSeev04400109](#), [MxSeev04400110](#), [MxSeev04400111](#), [MxSeev04400112](#),
[MxSeev04400201](#), [MxSeev04400202](#), [MxSeev04400203](#), [MxSeev04400204](#),
[MxSeev04400205](#), [MxSeev04400206](#), [MxSeev04400207](#), [MxSeev04400208](#),
[MxSeev04400209](#), [MxSeev04400210](#), [MxSeev04400211](#), [MxSeev04400212](#),
[MxSeev04500101](#), [MxSeev04500102](#), [MxSeev04500103](#), [MxSeev04500104](#),
[MxSeev04600101](#), [MxSeev04700101](#), [MxSeev04700102](#), [MxSeev04700103](#),
[MxSeev04800101](#), [MxSeev04900101](#), [MxSeev05000101](#), [MxSeev05000102](#),
[MxSeev05100101](#), [MxSeev05200101](#), [MxSeev05200102](#), [MxSeev05300101](#),
[MxSeev05300102](#), [MxSemt00100101](#), [MxSemt00100102](#), [MxSemt00100103](#),
[MxSemt00100104](#), [MxSemt00200101](#), [MxSemt00200102](#), [MxSemt00200103](#),
[MxSemt00200104](#), [MxSemt00200105](#), [MxSemt00200106](#), [MxSemt00200107](#),
[MxSemt00200108](#), [MxSemt00200109](#), [MxSemt00200110](#), [MxSemt00200111](#),
[MxSemt00200203](#), [MxSemt00200204](#), [MxSemt00200205](#), [MxSemt00200206](#),
[MxSemt00200207](#), [MxSemt00200208](#), [MxSemt00200209](#), [MxSemt00200210](#),
[MxSemt00200211](#), [MxSemt00300101](#), [MxSemt00300102](#), [MxSemt00300103](#),
[MxSemt00300104](#), [MxSemt00300105](#), [MxSemt00300106](#), [MxSemt00300107](#),

MxBusinessProcess (Provide ISO 20022 API Reference)

[MxSemt00300108](#), [MxSemt00300109](#), [MxSemt00300110](#), [MxSemt00300111](#),
[MxSemt00300203](#), [MxSemt00300204](#), [MxSemt00300205](#), [MxSemt00300206](#),
[MxSemt00300207](#), [MxSemt00300208](#), [MxSemt00300209](#), [MxSemt00300210](#),
[MxSemt00300211](#), [MxSemt00400101](#), [MxSemt00400102](#), [MxSemt00500101](#),
[MxSemt00500102](#), [MxSemt00600101](#), [MxSemt00600102](#), [MxSemt00600103](#),
[MxSemt00700101](#), [MxSemt00700102](#), [MxSemt00700103](#), [MxSemt00800101](#),
[MxSemt00900101](#), [MxSemt01200101](#), [MxSemt01300101](#), [MxSemt01300102](#),
[MxSemt01300103](#), [MxSemt01300104](#), [MxSemt01300105](#), [MxSemt01300106](#),
[MxSemt01300201](#), [MxSemt01300202](#), [MxSemt01300203](#), [MxSemt01300204](#),
[MxSemt01300205](#), [MxSemt01300206](#), [MxSemt01400101](#), [MxSemt01400102](#),
[MxSemt01400103](#), [MxSemt01400104](#), [MxSemt01400105](#), [MxSemt01400106](#),
[MxSemt01400107](#), [MxSemt01400201](#), [MxSemt01400202](#), [MxSemt01400203](#),
[MxSemt01400204](#), [MxSemt01400205](#), [MxSemt01400206](#), [MxSemt01400207](#),
[MxSemt01500101](#), [MxSemt01500102](#), [MxSemt01500103](#), [MxSemt01500104](#),
[MxSemt01500105](#), [MxSemt01500106](#), [MxSemt01500107](#), [MxSemt01500108](#),
[MxSemt01500109](#), [MxSemt01500201](#), [MxSemt01500202](#), [MxSemt01500203](#),
[MxSemt01500204](#), [MxSemt01500205](#), [MxSemt01500206](#), [MxSemt01500207](#),
[MxSemt01500208](#), [MxSemt01500209](#), [MxSemt01600101](#), [MxSemt01600102](#),
[MxSemt01600103](#), [MxSemt01600104](#), [MxSemt01600105](#), [MxSemt01600106](#),
[MxSemt01600107](#), [MxSemt01600108](#), [MxSemt01600109](#), [MxSemt01600201](#),
[MxSemt01600202](#), [MxSemt01600203](#), [MxSemt01600204](#), [MxSemt01600205](#),
[MxSemt01600206](#), [MxSemt01600207](#), [MxSemt01600208](#), [MxSemt01600209](#),
[MxSemt01700101](#), [MxSemt01700102](#), [MxSemt01700103](#), [MxSemt01700104](#),
[MxSemt01700105](#), [MxSemt01700106](#), [MxSemt01700107](#), [MxSemt01700108](#),
[MxSemt01700109](#), [MxSemt01700110](#), [MxSemt01700111](#), [MxSemt01700112](#),
[MxSemt01700201](#), [MxSemt01700202](#), [MxSemt01700203](#), [MxSemt01700204](#),
[MxSemt01700205](#), [MxSemt01700206](#), [MxSemt01700207](#), [MxSemt01700208](#),
[MxSemt01700209](#), [MxSemt01700210](#), [MxSemt01700211](#), [MxSemt01700212](#),
[MxSemt01800101](#), [MxSemt01800102](#), [MxSemt01800103](#), [MxSemt01800104](#),
[MxSemt01800105](#), [MxSemt01800106](#), [MxSemt01800107](#), [MxSemt01800108](#),
[MxSemt01800109](#), [MxSemt01800110](#), [MxSemt01800111](#), [MxSemt01800112](#),
[MxSemt01800113](#), [MxSemt01800201](#), [MxSemt01800202](#), [MxSemt01800203](#),
[MxSemt01800204](#), [MxSemt01800205](#), [MxSemt01800206](#), [MxSemt01800207](#),
[MxSemt01800208](#), [MxSemt01800209](#), [MxSemt01800210](#), [MxSemt01800211](#),
[MxSemt01800212](#), [MxSemt01800213](#), [MxSemt01900101](#), [MxSemt01900102](#),
[MxSemt01900103](#), [MxSemt01900104](#), [MxSemt01900105](#), [MxSemt01900106](#),
[MxSemt01900107](#), [MxSemt01900108](#), [MxSemt01900109](#), [MxSemt01900110](#),
[MxSemt01900201](#), [MxSemt01900202](#), [MxSemt01900203](#), [MxSemt01900204](#),
[MxSemt01900205](#), [MxSemt01900206](#), [MxSemt01900207](#), [MxSemt01900208](#),
[MxSemt01900209](#), [MxSemt01900210](#), [MxSemt02000101](#), [MxSemt02000102](#),
[MxSemt02000103](#), [MxSemt02000104](#), [MxSemt02000105](#), [MxSemt02000106](#),
[MxSemt02000107](#), [MxSemt02000201](#), [MxSemt02000202](#), [MxSemt02000203](#),
[MxSemt02000204](#), [MxSemt02000205](#), [MxSemt02000206](#), [MxSemt02000207](#),
[MxSemt02100101](#), [MxSemt02100102](#), [MxSemt02100103](#), [MxSemt02100104](#),
[MxSemt02100105](#), [MxSemt02100106](#), [MxSemt02100107](#), [MxSemt02100108](#),
[MxSemt02100201](#), [MxSemt02100202](#), [MxSemt02100203](#), [MxSemt02100204](#),
[MxSemt02100205](#), [MxSemt02100206](#), [MxSemt02100207](#), [MxSemt02100208](#),
[MxSemt02200101](#), [MxSemt02200102](#), [MxSemt02200103](#), [MxSemt02200104](#),
[MxSemt02200105](#), [MxSemt02200201](#), [MxSemt02200202](#), [MxSemt02200203](#),
[MxSemt02200204](#), [MxSemt02200205](#), [MxSemt02300101](#), [MxSemt02300102](#),
[MxSemt02400101](#), [MxSemt04100101](#), [MxSemt04100102](#), [MxSemt04200101](#),

MxBusinessProcess (Provide ISO 20022 API Reference)

MxSemt99800101, MxSemt99800102, MxSemt99800103, MxSese00100101,
MxSese00100102, MxSese00100103, MxSese00100104, MxSese00100105,
MxSese00100106, MxSese00100107, MxSese00100108, MxSese00100109,
MxSese00200101, MxSese00200102, MxSese00200103, MxSese00200104,
MxSese00200105, MxSese00200106, MxSese00200107, MxSese00200108,
MxSese00200109, MxSese00300101, MxSese00300102, MxSese00300103,
MxSese00300104, MxSese00300105, MxSese00300106, MxSese00300107,
MxSese00300108, MxSese00300109, MxSese00400101, MxSese00400102,
MxSese00400103, MxSese00400104, MxSese00400105, MxSese00400106,
MxSese00400107, MxSese00400108, MxSese00400109, MxSese00500101,
MxSese00500102, MxSese00500103, MxSese00500104, MxSese00500105,
MxSese00500106, MxSese00500107, MxSese00500108, MxSese00500109,
MxSese00600101, MxSese00600102, MxSese00600103, MxSese00600104,
MxSese00600105, MxSese00600106, MxSese00600107, MxSese00600108,
MxSese00600109, MxSese00700101, MxSese00700102, MxSese00700103,
MxSese00700104, MxSese00700105, MxSese00700106, MxSese00700107,
MxSese00700108, MxSese00700109, MxSese00800101, MxSese00800102,
MxSese00800103, MxSese00800104, MxSese00800105, MxSese00800106,
MxSese00800107, MxSese00800108, MxSese00800109, MxSese00900101,
MxSese00900102, MxSese00900103, MxSese00900104, MxSese00900105,
MxSese00900106, MxSese00900107, MxSese00900108, MxSese01000101,
MxSese01000102, MxSese01000103, MxSese01000104, MxSese01000105,
MxSese01000106, MxSese01000107, MxSese01100101, MxSese01100102,
MxSese01100103, MxSese01100104, MxSese01100105, MxSese01100106,
MxSese01100107, MxSese01100108, MxSese01100109, MxSese01200102,
MxSese01200103, MxSese01200104, MxSese01200105, MxSese01200106,
MxSese01200107, MxSese01200108, MxSese01200109, MxSese01200110,
MxSese01200111, MxSese01300102, MxSese01300103, MxSese01300104,
MxSese01300105, MxSese01300106, MxSese01300107, MxSese01300108,
MxSese01300109, MxSese01300110, MxSese01300111, MxSese01400102,
MxSese01400103, MxSese01400104, MxSese01400105, MxSese01400106,
MxSese01400107, MxSese01400108, MxSese01400109, MxSese01800101,
MxSese01800102, MxSese01800103, MxSese01800104, MxSese01800105,
MxSese01800106, MxSese01800107, MxSese01800108, MxSese01800109,
MxSese01900101, MxSese01900102, MxSese01900103, MxSese01900104,
MxSese01900105, MxSese01900106, MxSese01900107, MxSese01900108,
MxSese02000101, MxSese02000102, MxSese02000103, MxSese02000104,
MxSese02000105, MxSese02000106, MxSese02000107, MxSese02000201,
MxSese02000202, MxSese02000203, MxSese02000204, MxSese02000205,
MxSese02000206, MxSese02000207, MxSese02100101, MxSese02100102,
MxSese02100103, MxSese02100104, MxSese02100105, MxSese02100106,
MxSese02100201, MxSese02100202, MxSese02100203, MxSese02100204,
MxSese02100205, MxSese02100206, MxSese02200101, MxSese02200102,
MxSese02200103, MxSese02200104, MxSese02200105, MxSese02200106,
MxSese02200201, MxSese02200202, MxSese02200203, MxSese02200204,
MxSese02200205, MxSese02200206, MxSese02300101, MxSese02300102,
MxSese02300103, MxSese02300104, MxSese02300105, MxSese02300106,
MxSese02300107, MxSese02300108, MxSese02300109, MxSese02300110,
MxSese02300111, MxSese02300201, MxSese02300202, MxSese02300203,
MxSese02300204, MxSese02300205, MxSese02300206, MxSese02300207,
MxSese02300208, MxSese02300209, MxSese02300210, MxSese02300211,

MxBusinessProcess (Provide ISO 2002 API Reference)

[MxSese02400101](#), [MxSese02400102](#), [MxSese02400103](#), [MxSese02400104](#),
[MxSese02400105](#), [MxSese02400106](#), [MxSese02400107](#), [MxSese02400108](#),
[MxSese02400109](#), [MxSese02400110](#), [MxSese02400111](#), [MxSese02400112](#),
[MxSese02400201](#), [MxSese02400202](#), [MxSese02400203](#), [MxSese02400204](#),
[MxSese02400205](#), [MxSese02400206](#), [MxSese02400207](#), [MxSese02400208](#),
[MxSese02400209](#), [MxSese02400210](#), [MxSese02400211](#), [MxSese02400212](#),
[MxSese02500101](#), [MxSese02500102](#), [MxSese02500103](#), [MxSese02500104](#),
[MxSese02500105](#), [MxSese02500106](#), [MxSese02500107](#), [MxSese02500108](#),
[MxSese02500109](#), [MxSese02500110](#), [MxSese02500111](#), [MxSese02500201](#),
[MxSese02500202](#), [MxSese02500203](#), [MxSese02500204](#), [MxSese02500205](#),
[MxSese02500206](#), [MxSese02500207](#), [MxSese02500208](#), [MxSese02500209](#),
[MxSese02500210](#), [MxSese02500211](#), [MxSese02600101](#), [MxSese02600102](#),
[MxSese02600103](#), [MxSese02600104](#), [MxSese02600105](#), [MxSese02600106](#),
[MxSese02600107](#), [MxSese02600108](#), [MxSese02600109](#), [MxSese02600110](#),
[MxSese02600201](#), [MxSese02600202](#), [MxSese02600203](#), [MxSese02600204](#),
[MxSese02600205](#), [MxSese02600206](#), [MxSese02600207](#), [MxSese02600208](#),
[MxSese02600209](#), [MxSese02600210](#), [MxSese02700101](#), [MxSese02700102](#),
[MxSese02700103](#), [MxSese02700104](#), [MxSese02700105](#), [MxSese02700106](#),
[MxSese02700107](#), [MxSese02700201](#), [MxSese02700202](#), [MxSese02700203](#),
[MxSese02700204](#), [MxSese02700205](#), [MxSese02700206](#), [MxSese02700207](#),
[MxSese02800101](#), [MxSese02800102](#), [MxSese02800103](#), [MxSese02800104](#),
[MxSese02800105](#), [MxSese02800106](#), [MxSese02800107](#), [MxSese02800108](#),
[MxSese02800109](#), [MxSese02800110](#), [MxSese02800201](#), [MxSese02800202](#),
[MxSese02800203](#), [MxSese02800204](#), [MxSese02800205](#), [MxSese02800206](#),
[MxSese02800207](#), [MxSese02800208](#), [MxSese02800209](#), [MxSese02800210](#),
[MxSese02900101](#), [MxSese02900102](#), [MxSese02900103](#), [MxSese02900104](#),
[MxSese02900105](#), [MxSese02900106](#), [MxSese02900201](#), [MxSese02900202](#),
[MxSese02900203](#), [MxSese02900204](#), [MxSese02900205](#), [MxSese02900206](#),
[MxSese03000101](#), [MxSese03000102](#), [MxSese03000103](#), [MxSese03000104](#),
[MxSese03000105](#), [MxSese03000106](#), [MxSese03000107](#), [MxSese03000108](#),
[MxSese03000109](#), [MxSese03000201](#), [MxSese03000202](#), [MxSese03000203](#),
[MxSese03000204](#), [MxSese03000205](#), [MxSese03000206](#), [MxSese03000207](#),
[MxSese03000208](#), [MxSese03000209](#), [MxSese03100101](#), [MxSese03100102](#),
[MxSese03100103](#), [MxSese03100104](#), [MxSese03100105](#), [MxSese03100106](#),
[MxSese03100107](#), [MxSese03100108](#), [MxSese03100109](#), [MxSese03100201](#),
[MxSese03100202](#), [MxSese03100203](#), [MxSese03100204](#), [MxSese03100205](#),
[MxSese03100206](#), [MxSese03100207](#), [MxSese03100208](#), [MxSese03100209](#),
[MxSese03200101](#), [MxSese03200102](#), [MxSese03200103](#), [MxSese03200104](#),
[MxSese03200105](#), [MxSese03200106](#), [MxSese03200107](#), [MxSese03200108](#),
[MxSese03200109](#), [MxSese03200110](#), [MxSese03200111](#), [MxSese03200201](#),
[MxSese03200202](#), [MxSese03200203](#), [MxSese03200204](#), [MxSese03200205](#),
[MxSese03200206](#), [MxSese03200207](#), [MxSese03200208](#), [MxSese03200209](#),
[MxSese03200210](#), [MxSese03200211](#), [MxSese03300101](#), [MxSese03300102](#),
[MxSese03300103](#), [MxSese03300104](#), [MxSese03300105](#), [MxSese03300106](#),
[MxSese03300107](#), [MxSese03300108](#), [MxSese03300109](#), [MxSese03300110](#),
[MxSese03300111](#), [MxSese03300201](#), [MxSese03300202](#), [MxSese03300203](#),
[MxSese03300204](#), [MxSese03300205](#), [MxSese03300206](#), [MxSese03300207](#),
[MxSese03300208](#), [MxSese03300209](#), [MxSese03300210](#), [MxSese03300211](#),
[MxSese03400101](#), [MxSese03400102](#), [MxSese03400103](#), [MxSese03400104](#),
[MxSese03400105](#), [MxSese03400106](#), [MxSese03400107](#), [MxSese03400108](#),
[MxSese03400109](#), [MxSese03400201](#), [MxSese03400202](#), [MxSese03400203](#),

MxBusinessProcess (Provide ISO 20022 API Reference)

[MxSese03400204](#), [MxSese03400205](#), [MxSese03400206](#), [MxSese03400207](#),
[MxSese03400208](#), [MxSese03400209](#), [MxSese03500101](#), [MxSese03500102](#),
[MxSese03500103](#), [MxSese03500104](#), [MxSese03500105](#), [MxSese03500106](#),
[MxSese03500107](#), [MxSese03500108](#), [MxSese03500109](#), [MxSese03500110](#),
[MxSese03500111](#), [MxSese03500201](#), [MxSese03500202](#), [MxSese03500203](#),
[MxSese03500204](#), [MxSese03500205](#), [MxSese03500206](#), [MxSese03500207](#),
[MxSese03500208](#), [MxSese03500209](#), [MxSese03500210](#), [MxSese03500211](#),
[MxSese03600101](#), [MxSese03600102](#), [MxSese03600103](#), [MxSese03600104](#),
[MxSese03600105](#), [MxSese03600106](#), [MxSese03600107](#), [MxSese03600108](#),
[MxSese03600201](#), [MxSese03600202](#), [MxSese03600203](#), [MxSese03600204](#),
[MxSese03600205](#), [MxSese03600206](#), [MxSese03600207](#), [MxSese03600208](#),
[MxSese03700101](#), [MxSese03700102](#), [MxSese03700103](#), [MxSese03700104](#),
[MxSese03700105](#), [MxSese03700106](#), [MxSese03700107](#), [MxSese03700201](#),
[MxSese03700202](#), [MxSese03700203](#), [MxSese03700204](#), [MxSese03700205](#),
[MxSese03700206](#), [MxSese03700207](#), [MxSese03800101](#), [MxSese03800102](#),
[MxSese03800103](#), [MxSese03800104](#), [MxSese03800105](#), [MxSese03800106](#),
[MxSese03800107](#), [MxSese03800108](#), [MxSese03800109](#), [MxSese03800201](#),
[MxSese03800202](#), [MxSese03800203](#), [MxSese03800204](#), [MxSese03800205](#),
[MxSese03800206](#), [MxSese03800207](#), [MxSese03800208](#), [MxSese03800209](#),
[MxSese03900101](#), [MxSese03900102](#), [MxSese03900103](#), [MxSese03900104](#),
[MxSese03900105](#), [MxSese03900106](#), [MxSese03900201](#), [MxSese03900202](#),
[MxSese03900203](#), [MxSese03900204](#), [MxSese03900205](#), [MxSese03900206](#),
[MxSese04000101](#), [MxSese04000102](#), [MxSese04000103](#), [MxSese04000104](#),
[MxSese04000201](#), [MxSese04000202](#), [MxSese04000203](#), [MxSese04000204](#),
[MxSese04100101](#), [MxSese04200101](#), [MxSeti00100101](#), [MxSeti00200101](#),
[MxSeti00300101](#), [MxSeti00400101](#), [MxSeti00500101](#), [MxSeti00600101](#),
[MxSeti00700101](#), [MxSeti00800101](#), [MxSeti00900101](#), [MxSeti01200101](#),
[MxSeti01300101](#), [MxSeti01400101](#), [MxSeti01500101](#), [MxSeti01600101](#),
[MxSetr00100102](#), [MxSetr00100103](#), [MxSetr00100104](#), [MxSetr00200102](#),
[MxSetr00200103](#), [MxSetr00200104](#), [MxSetr00300102](#), [MxSetr00300103](#),
[MxSetr00300104](#), [MxSetr00400102](#), [MxSetr00400103](#), [MxSetr00400104](#),
[MxSetr00400201](#), [MxSetr00500102](#), [MxSetr00500103](#), [MxSetr00500104](#),
[MxSetr00600102](#), [MxSetr00600103](#), [MxSetr00600104](#), [MxSetr00600105](#),
[MxSetr00600201](#), [MxSetr00700102](#), [MxSetr00700103](#), [MxSetr00700104](#),
[MxSetr00800102](#), [MxSetr00800103](#), [MxSetr00800104](#), [MxSetr00900102](#),
[MxSetr00900103](#), [MxSetr00900104](#), [MxSetr01000102](#), [MxSetr01000103](#),
[MxSetr01000104](#), [MxSetr01000201](#), [MxSetr01100102](#), [MxSetr01100103](#),
[MxSetr01100104](#), [MxSetr01200102](#), [MxSetr01200103](#), [MxSetr01200104](#),
[MxSetr01200105](#), [MxSetr01200201](#), [MxSetr01300102](#), [MxSetr01300103](#),
[MxSetr01300104](#), [MxSetr01400102](#), [MxSetr01400103](#), [MxSetr01400104](#),
[MxSetr01500102](#), [MxSetr01500103](#), [MxSetr01500104](#), [MxSetr01600102](#),
[MxSetr01600103](#), [MxSetr01600104](#), [MxSetr01600201](#), [MxSetr01700102](#),
[MxSetr01700103](#), [MxSetr01700104](#), [MxSetr01800102](#), [MxSetr01800103](#),
[MxSetr01800104](#), [MxSetr01900101](#), [MxSetr02000101](#), [MxSetr02100101](#),
[MxSetr02200101](#), [MxSetr02300101](#), [MxSetr02700101](#), [MxSetr02700102](#),
[MxSetr02700103](#), [MxSetr02700104](#), [MxSetr02900101](#), [MxSetr02900102](#),
[MxSetr03000101](#), [MxSetr03000102](#), [MxSetr03300101](#), [MxSetr03400101](#),
[MxSetr03500101](#), [MxSetr03600101](#), [MxSetr03700101](#), [MxSetr03800101](#),
[MxSetr03900101](#), [MxSetr04000101](#), [MxSetr04400101](#), [MxSetr04400102](#),
[MxSetr04400103](#), [MxSetr04500101](#), [MxSetr04600101](#), [MxSetr04700101](#),
[MxSetr04700102](#), [MxSetr04800101](#), [MxSetr04900101](#), [MxSetr04900102](#),

MxBusinessProcess (Provide ISO 2022 API Reference)

[MxSetr05000101](#), [MxSetr05100101](#), [MxSetr05100102](#), [MxSetr05200101](#),
[MxSetr05300101](#), [MxSetr05300102](#), [MxSetr05400101](#), [MxSetr05500101](#),
[MxSetr05500102](#), [MxSetr05600101](#), [MxSetr05700101](#), [MxSetr05700102](#),
[MxSetr05800101](#), [MxSetr05800102](#), [MxSetr05900101](#), [MxSetr06000101](#),
[MxSetr06100101](#), [MxSetr06200101](#), [MxSetr06400101](#), [MxSetr06500101](#),
[MxSetr06600101](#), [MxTsin00100101](#), [MxTsin00200101](#), [MxTsin00300101](#),
[MxTsin00400101](#), [MxTsin00500101](#), [MxTsin00600101](#), [MxTsin00700101](#),
[MxTsin00800101](#), [MxTsin00900101](#), [MxTsin01000101](#), [MxTsin01100101](#),
[MxTsin01200101](#), [MxTsin01300101](#), [MxTsmt00100102](#), [MxTsmt00100103](#),
[MxTsmt00200102](#), [MxTsmt00200103](#), [MxTsmt00200104](#), [MxTsmt00300102](#),
[MxTsmt00300103](#), [MxTsmt00400101](#), [MxTsmt00400102](#), [MxTsmt00500101](#),
[MxTsmt00500102](#), [MxTsmt00600102](#), [MxTsmt00600103](#), [MxTsmt00700101](#),
[MxTsmt00700102](#), [MxTsmt00800102](#), [MxTsmt00800103](#), [MxTsmt00900102](#),
[MxTsmt00900103](#), [MxTsmt00900104](#), [MxTsmt00900105](#), [MxTsmt01000102](#),
[MxTsmt01000103](#), [MxTsmt01100102](#), [MxTsmt01100103](#), [MxTsmt01100104](#),
[MxTsmt01200102](#), [MxTsmt01200103](#), [MxTsmt01200104](#), [MxTsmt01200105](#),
[MxTsmt01300102](#), [MxTsmt01300103](#), [MxTsmt01400102](#), [MxTsmt01400103](#),
[MxTsmt01400104](#), [MxTsmt01400105](#), [MxTsmt01500102](#), [MxTsmt01500103](#),
[MxTsmt01600102](#), [MxTsmt01600103](#), [MxTsmt01700102](#), [MxTsmt01700103](#),
[MxTsmt01700104](#), [MxTsmt01700105](#), [MxTsmt01800102](#), [MxTsmt01800103](#),
[MxTsmt01800104](#), [MxTsmt01800105](#), [MxTsmt01900102](#), [MxTsmt01900103](#),
[MxTsmt01900104](#), [MxTsmt01900105](#), [MxTsmt02000101](#), [MxTsmt02000102](#),
[MxTsmt02100102](#), [MxTsmt02100103](#), [MxTsmt02200101](#), [MxTsmt02200102](#),
[MxTsmt02300102](#), [MxTsmt02300103](#), [MxTsmt02400103](#), [MxTsmt02500102](#),
[MxTsmt02500103](#), [MxTsmt02600101](#), [MxTsmt02600102](#), [MxTsmt02700101](#),
[MxTsmt02700102](#), [MxTsmt02800102](#), [MxTsmt02800103](#), [MxTsmt02900101](#),
[MxTsmt02900102](#), [MxTsmt03000102](#), [MxTsmt03000103](#), [MxTsmt03100103](#),
[MxTsmt03200102](#), [MxTsmt03200103](#), [MxTsmt03300102](#), [MxTsmt03300103](#),
[MxTsmt03400102](#), [MxTsmt03400103](#), [MxTsmt03500102](#), [MxTsmt03500103](#),
[MxTsmt03600102](#), [MxTsmt03600103](#), [MxTsmt03700102](#), [MxTsmt03700103](#),
[MxTsmt03800102](#), [MxTsmt03800103](#), [MxTsmt03900102](#), [MxTsmt04000102](#),
[MxTsmt04000103](#), [MxTsmt04100102](#), [MxTsmt04100103](#), [MxTsmt04200102](#),
[MxTsmt04200103](#), [MxTsmt04400101](#), [MxTsmt04400102](#), [MxTsmt04500101](#),
[MxTsmt04500102](#), [MxTsmt04600101](#), [MxTsmt04700101](#), [MxTsmt04800101](#),
[MxTsmt04900101](#), [MxTsmt05000101](#), [MxTsmt05100101](#), [MxTsmt05200101](#),
[MxTsmt05300101](#), [MxTsmt05400101](#), [MxTsmt05500101](#), [MxTsrv00100101](#),
[MxTsrv00200101](#), [MxTsrv00300101](#), [MxTsrv00400101](#), [MxTsrv00500101](#),
[MxTsrv00600101](#), [MxTsrv00700101](#), [MxTsrv00800101](#), [MxTsrv00900101](#),
[MxTsrv01000101](#), [MxTsrv01100101](#), [MxTsrv01200101](#), [MxTsrv01300101](#),
[MxTsrv01400101](#), [MxTsrv01500101](#), [MxTsrv01600101](#), [MxTsrv01700101](#),
[MxTsrv01800101](#), [MxTsrv01900101](#), [MxXsys00100101](#), [MxXsys00200101](#),
[MxXsys00300101](#), [MxXsys00400101](#), [MxXsys00500101](#), [MxXsys00500201](#),
[MxXsys00600101](#), [MxXsys00700101](#), [MxXsys00800101](#), [MxXsys00800102](#),
[MxXsys00900101](#), [MxXsys00900102](#), [MxXsys01000101](#), [MxXsys01000102](#),
[MxXsys01100101](#), [MxXsys01100102](#), [MxXsys01200101](#), [MxXsys01200102](#),
[MxXsys01300101](#), [MxXsys01400101](#), [MxXsys01500101](#), [MxXsys01600101](#),
[MxXsys01800101](#), [MxXsys01900101](#), [MxXsys02600101](#), [MxXsys02700101](#),
[MxXsys02800101](#)

```
public abstract class AbstractMX
extends com.providesoftware.swift.model.AbstractMessage
```

MxBusinessProcess (Provide ISO 20022 API Reference)

implements com.providesoftware.JsonSerializable

Base class for specific MX messages.

IMPORTANT: An MX message is conformed by a set of optional headers and a message payload or document with the actual specific MX message. The name of the envelope element that binds a Header to the message to which it applies is **implementation/network specific** and not part of the scope of this model.

This class provides the base container model for MX messages including an attribute for the header. Further it supports both versions for the header; the SWIFT Application Header (legacy) and the ISO Business Application Header.

Serialization of this model into XML text can be done for the with or without the header portion. When the header is set and included into the serialization, the container root element must be provided.

Since:

7.6

See Also:

AbstractMT

• ♦ Field Summary

Fields

Modifier and Type	Field	Description
static java.lang.String	<u>DEFAULT_ROOT_ELEMENT</u>	Deprecated. the default root element for the custom envelope is now defined in <u>EnvelopeType.CUSTOM</u>
static java.lang.String	<u>DOCUMENT_LOCALNAME</u>	

♦ Constructor Summary

Constructors

Modifier	Constructor	Description
protected	<u>AbstractMX()</u>	
protected	<u>AbstractMX (AppHdr appHdr)</u>	

♦ Method Summary

All Methods Static Methods Instance Methods Abstract Methods Concrete Methods Deprecated Methods

Modifier and Type	Method
java.lang.String	<u>document()</u>

Modifier and Type	Method
java.lang.String	<u>document</u> (<u>MxWriteParams</u> params)
java.lang.String	<u>document</u> (java.lang.String prefix, boolean includeXMLDeclaration, <u>EscapeHandler</u> escapeHandler)
org.w3c.dom.Element	<u>element</u> ()
org.w3c.dom.Element	<u>element</u> (jakarta.xml.bind.JAXBContext input)
static <u>AbstractMX</u>	<u>fromJson</u> (java.lang.String json)
protected static <T> T	<u>fromJson</u> (java.lang.String json, java.lang.Class<T> classOfT)
static <u>AbstractMX</u>	<u>fromJsonV9</u> (java.lang.String json)
protected static <T> T	<u>fromJsonV9</u> (java.lang.String json, java.lang.Class<T> classOfT)
<u>AppHdr</u>	<u>getAppHdr</u> ()
abstract java.lang.String	<u>getBusinessProcess</u> ()
abstract java.lang.Class[]	<u>getClasses</u> ()
abstract int	<u>getFunctionality</u> ()
<u>MxId</u>	<u>getMxId</u> ()
abstract java.lang.String	<u>getNamespace</u> ()
abstract int	<u>getVariant</u> ()
abstract int	<u>getVersion</u> ()
java.lang.String	<u>header</u> ()
java.lang.String	<u>header</u> (<u>MxWriteParams</u> params)
java.lang.String	<u>message</u> ()
java.lang.String	<u>message</u> (<u>MxWriteConfiguration</u> config)
static <u>AbstractMX</u>	<u>parse</u> (java.io.File file, <u>MxId</u> id)
static <u>AbstractMX</u>	<u>parse</u> (java.lang.String xml)
static <u>AbstractMX</u>	<u>parse</u> (java.lang.String xml, <u>MxId</u> id)

Modifier and Type	Method
static AbstractMX	parse (java.lang.String xml, MxId : MxReadConfiguration conf)
static AbstractMX	parse (org.w3c.dom.Element e)
void	setAppHdr (AppHdr appHdr)
java.lang.String	targetNamespace ()
java.lang.String	toJson ()
java.lang.String	toJsonV9 ()
void	write (java.io.File file)
void	write (java.io.OutputStream stream)
javax.xml.transform.Source	xmlSource ()

◇ **Methods inherited from class com.prowidesoftware.swift.model.AbstractMessage**

getMessageStandardType, isMT, isMX

◇ **Methods inherited from class java.lang.Object**

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

• **Field Detail**

◇ **DOCUMENT_LOCALNAME**

public static final java.lang.String DOCUMENT_LOCALNAME

See Also:

[Constant Field Values](#)

◇ **DEFAULT_ROOT_ELEMENT**

@Deprecated

@ProvideDeprecated(phase2=SRU2025)

public static java.lang.String DEFAULT_ROOT_ELEMENT

MxBusinessProcess (Provide ISO 20022 API Reference)

Deprecated.

the default root element for the custom envelope is now defined in [EnvelopeType.CUSTOM](#)

◆ Constructor Detail

◇ AbstractMX

```
protected AbstractMX()
```

◇ AbstractMX

```
protected AbstractMX (AppHdr appHdr)
```

◆ Method Detail

◇ parse

```
public static AbstractMX parse (java.lang.String xml)
```

Parses the XML string containing the Document and optional AppHdr into a specific instance of MX message object. The message and header types and version is auto-detected.

The unmarshaller uses the default type adapters. For more parse options use [parse\(String, MxId, MxReadConfiguration\)](#).

Parameters:

xml - the XML content to parse

Returns:

parsed message or null if string content could not be parsed into an Mx

Since:

9.0.1

◇ parse

```
public static AbstractMX parse (java.lang.String xml,  
                                MxId id)
```

Parses the XML string containing the Document and optional AppHdr into a specific instance of MX message object. The header version, if present, is auto-detected from its namespace.

If the string is empty, does not contain an MX document, the message type cannot be detected or an error occur reading and parsing the message content; this method returns null.

The implementation detects the message type and uses reflection to call the parser in the specific subclass.

The unmarshaller uses the default type adapters. For more parse options use [parse\(String, MxId, MxReadConfiguration\)](#).

Parameters:

MxBusinessProcess (Provide ISO 20022 API Reference)

`xml` - string a string containing the Document of an MX message in XML format

`id` - optional parameter to indicate the specific MX type to create; auto detected from namespace if null.

Returns:

parsed message or null if string content could not be parsed into an Mx

Since:

7.8.4

◇ **parse**

```
@Deprecated
@ProvideDeprecated(phase4=SRU2025)
public static AbstractMX parse (java.io.File file,
                                MxId id)
    throws java.io.IOException
```

Deprecated.

use `Lib.readFile(file)` and any parse from String method

Throws:

`java.io.IOException`

◇ **parse**

```
public static AbstractMX parse (org.w3c.dom.Element e)
```

Parses the XML Element into a specific MX object. The Mx to create is detected from the namespace.

Parameters:

`e` - content to parse

Returns:

specific Mx instance, for example, `MxCamt0010101`; or null if XML cannot be parsed or specific Mx cannot be detected

Since:

9.0

◇ **parse**

```
public static AbstractMX parse (java.lang.String xml,
                                MxId id,
                                MxReadConfiguration conf)
```

Parses the XML string containing the Document and optional AppHdr into a specific instance of MX message object. The header version, if present, is auto detected from its namespace.

If the string is empty, does not contain an MX document, the message type cannot be detected or an error occur reading and parsing the message content; this method returns null.

The implementation detects the message type and uses reflection to call the parser in the specific subclass.

Parameters:

MxBusinessProcess (Provide ISO 20022 API Reference)

`xml` - string a string containing the Document of an MX message in XML format

`id` - optional parameter to indicate the specific MX type to create; auto detected from namespace if null.

`conf` - specific options for the unmarshalling or null to use the default parameters

Returns:

parsed message or null if string content could not be parsed into an Mx

Since:

9.2.6

◇ fromJson

```
protected static <T> T fromJson (java.lang.String json,  
                                java.lang.Class<T> classOfT)
```

Used by subclasses to implement JSON deserialization.

Parameters:

`json` - a JSON representation of an MX message

`classOfT` - the specific MX subclass

Returns:

a specific deserialized MX message object

Since:

7.10.3

◇ fromJson

```
public static AbstractMX fromJson (java.lang.String json)
```

Creates an MX messages from its JSON representation.

Parameters:

`json` - a JSON representation of an MX message

Returns:

a specific deserialized MX message object, for example MxPain00100108

Since:

7.10.3

◇ fromJsonV9

```
protected static <T> T fromJsonV9 (java.lang.String json,  
                                   java.lang.Class<T> classOfT)
```

Deserializes the given JSON string into an object of the specified class, using version 9 (Java 8) adapters.

This method ensures compatibility by checking for date-time fields stored in JSON as XMLGregorianCalendar based json elements and converting them into OffsetDateTime. The Gson adapters (version 9) manage both Java 8 and Java 11 formats.

Type Parameters:

`T` - the type of the object to be deserialized

Parameters:

`json` - a JSON representation of the object

`classOfT` - the class of the object to be deserialized

MxBusinessProcess (Provide ISO 20022 API Reference)

Returns:

a deserialized instance of the specified class, or null if the JSON string cannot be parsed.

Since:

10.1.8

◇ fromJsonV9

```
public static AbstractMX fromJsonV9 (java.lang.String json)
```

Deserializes the given JSON string into a specific MX message object, using version 9 (Java 8) adapters.

This method ensures compatibility with older versions by converting XMLGregorianCalendar based json elements in JSON to OffsetDateTime if needed. The deserialization uses custom adapters (version 9) that handle both formats for date-time fields.

Parameters:

json - a JSON representation of an MX message

Returns:

a deserialized instance of AbstractMX, or null if the JSON string cannot be parsed.

Since:

10.1.8

◇ message

```
public java.lang.String message (MxWriteConfiguration conf)
```

Get this message as an XML string.

If the business header is set, the created XML will include both the 'AppHdr' and the 'Document' elements, under the configured root element. If the header is not present, the created XML will only include the 'Document'. Both 'AppHdr' and 'Document' are generated with namespace declaration and optional with prefixes as indicated in the configuration.

The configuration options enables customization of the XML serialization, including the root element name and prefixes. And it also provides default configurations for SWIFT and ISO 20022 envelopes.

Parameters:

conf - specific options for the serialization or null to use the default parameters

Returns:

the XML content or null if errors occur during serialization

◇ header

```
public java.lang.String header (MxWriteParams params)
```

Get this message AppHdr as an XML string.

Since:

9.2.6

◇ **document**

```
public java.lang.String document (MxWriteParams params)
```

Get this message Document as an XML string.

Parameters:

params - not null marshalling parameters

Since:

9.2.6

◇ **getClasses**

```
public abstract java.lang.Class[] getClasses()
```

Get the classes associated with this message

Since:

7.7

◇ **getNamespace**

```
public abstract java.lang.String getNamespace()
```

Get the XML namespace of the message

Since:

7.7

◇ **header**

```
public java.lang.String header()
```

Get this message AppHdr as an XML string.

The XML will not include the XML declaration, will bind the namespace to all elements without prefix and will use the default escape handler and content adapters.

For more serialization options use [header \(MxWriteParams\)](#)

Returns:

the serialized header or null if header is not set or errors occur during serialization

Since:

7.8

◇ **document**

```
public java.lang.String document()
```

Get this message Document as an XML string.

The XML will not include the XML declaration, will bind the namespace to all elements using "doc" as default prefix and will use the default escape handler. For more serialization options use [document \(MxWriteParams\)](#)

Returns:

MxBusinessProcess (Provide ISO 20022 API Reference)

document serialized into XML string or null if errors occur during serialization

Since:

7.8

◇ **document**

```
@Deprecated
@ProvideDeprecated(phase4=SRU2025)
public java.lang.String document (java.lang.String prefix,
                                boolean includeXMLDeclaration,
                                EscapeHandler escapeHandler)
```

Deprecated.

use [document \(MxWriteParams\)](#) instead

◇ **xmlSource**

```
public javax.xml.transform.Source xmlSource()
```

Convenience method to get this message XML as javax.xml.transform.Source.

Returns:

null if message() returns null or StreamSource in other case

Since:

7.7

See Also:

[message\(\)](#)

◇ **message**

```
public java.lang.String message()
```

Get this message as an XML string.

If the header is present, then 'AppHdr' and 'Document' elements will be wrapped under a default root element 'RequestPayload'. Both header and document are generated with the corresponding namespaces and by default the prefix 'head' is used for the header and the message category is used as prefix for the document.

For more serialization options see [message \(MxWriteConfiguration\)](#)

To serialize only the header or the document (without header) see [header\(\)](#) and [document\(\)](#)

Specified by:

message in

class com.providesoftware.swift.model.AbstractMessage

Returns:

the XML content or null if errors occur during serialization

Since:

7.7

◇ **write**

```
@Deprecated
@ProvideDeprecated(phase4=SRU2025)
public void write (java.io.File file)
                throws java.io.IOException
```

MxBusinessProcess (Provide ISO 20022 API Reference)

Deprecated.

use [message \(MxWriteConfiguration\)](#) and handle write from String to file with plain Java API

Throws:

`java.io.IOException`

◇ **write**

```
@Deprecated
@ProvideDeprecated(phase4=SRU2025)
public void write (java.io.OutputStream stream)
    throws java.io.IOException
```

Deprecated.

use [message \(MxWriteConfiguration\)](#) and handle write from String to stream with plain Java API

Throws:

`java.io.IOException`

◇ **getAppHdr**

```
public AppHdr getAppHdr()
```

Returns:

the business header or null if not set

Since:

9.0.1

◇ **setAppHdr**

```
public void setAppHdr (AppHdr appHdr)
```

Parameters:

appHdr - the header to set

Since:

9.0.1

◇ **getMxId**

```
public MxId getMxId()
```

Returns the MX message identification.

Composed by the business process, functionality, variant and version.

Returns:

the constructed message id

Since:

7.7

◇ **getBusinessProcess**

```
public abstract java.lang.String getBusinessProcess()
```

get the Alphabetic code in four positions (fixed length) identifying the Business Process

Returns:

MxBusinessProcess (Provide ISO 20022 API Reference)

the business process of the implementing class

Since:

7.7

◇ **getFunctionality**

```
public abstract int getFunctionality()
```

Get the code identifying the Message Functionality

Returns:

the set functionality or null if not set

Since:

7.7

◇ **getVariant**

```
public abstract int getVariant()
```

Get the Message variant

Returns:

the set variant or null if not set

Since:

7.7

◇ **getVersion**

```
public abstract int getVersion()
```

Get the message version

Returns:

the set vesion or null if not set

Since:

7.7

◇ **element**

```
public org.w3c.dom.Element element()
```

◇ **element**

```
public org.w3c.dom.Element element (jakarta.xml.bind.JAXBContext input)
```

◇ **toJson**

```
public java.lang.String toJson()
```

Get a JSON representation of this MX message.

Specified by:

toJson in interface com.providesoftware.JsonSerializable

Since:

7.10.3

◇ **toJsonV9**

```
public java.lang.String toJsonV9()
```

Serializes this MX message into its JSON representation, using version 9 (Java 8) adapters.

MxBusinessProcess (Provide ISO 20022 API Reference)

This method ensures that when serializing to JSON, `OffsetDateTime` fields can be converted back into `XMLGregorianCalendar` based json element format for compatibility with older systems that still use the Java 8 format.

Returns:

a JSON representation of the MX message, compatible with Java 8

Since:

10.1.8

◇ **targetNamespace**

```
public java.lang.String targetNamespace()
```

Returns:

same as `getNamespace()`

Since:

9.1.2

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- [Summary:](#)
- [Nested |](#)
- [Field |](#)
- [Constr |](#)
- [Method](#)

- [Detail:](#)
- [Field |](#)
- [Constr |](#)
- [Method](#)

JavaScript is disabled on your browser.

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)

- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Field |](#)
- Constr |
- [Method](#)
- Detail:
- [Field |](#)
- Constr |
- [Method](#)

Package [com.prowidesoftware.swift.model.mx](#)

Interface AppHdr

- All Known Implementing Classes:
[BusinessAppHdrV01](#), [BusinessAppHdrV02](#), [BusinessAppHdrV03](#),
[BusinessAppHdrV04](#), [LegacyAppHdr](#)

```
public interface AppHdr
```

The business header is an optional part of the payload of an ISO 20022 message, and contains general information that is relevant to the business applications that process the message.

When the header is used, its AppHdr element is a sibling of the Document element containing the specific message type content. The parent wrapper structure that holds the AppHdr and Document is implementation/network specific and not part of the scope of this model and parser.

As for the AppHdr there are at the moment two main specifications:

- ◆ The ISO 20022 business application header such as the head.001.001.01.
- ◆ The legacy application header originally defined by SWIFT: \$ahV10

This interface exports shared information applicable to all header implementations (legacy and ISO based).

Since:

9.0.1

♦ **Field Summary**

Fields

Modifier and Type	Field	Description
static java.lang.String	<u>HEADER_LOCALNAME</u>	

♦ **Method Summary**All Methods Instance Methods Abstract Methods Default Methods Deprecated Methods

Modifier and Type	Method	Description
java.time.OffsetDateTime	<u>creationDate()</u>	Gets the message creation date from the header element (BAH) or "CreationDate" element.
boolean	<u>duplicate()</u>	Gets the duplicate flag from the "Processing" element (BAH) or "Duplicate" element.
org.w3c.dom.Element	<u>element()</u>	Gets the header element object.
java.lang.String	<u>from()</u>	Gets the header form from the "From" element.
java.lang.String	<u>messageName()</u>	Gets the message name from the "MessageName" element (BAH) or "MessageName" (AH) element.
default java.lang.String	<u>namespace()</u>	Gets the specific namespace of the header element.
java.lang.String	<u>reference()</u>	Gets the message reference from the "BizMsgIdr" or "MsgRef" (A) element.
java.lang.String	<u>serviceName()</u>	Gets the service name from the "Biz" or "SvcName" element.
void	<u>setCreationDate (boolean overwrite)</u>	Sets the creation date of the header object to the current moment in time zone.
java.lang.String	<u>to()</u>	Gets the header form from the "To" element.
default java.lang.String	<u>xml()</u>	Get this header as XML string.
default java.lang.String	<u>xml (MxWriteParams params)</u>	Get this header as XML string.

Modifier and Type	Method	Description
java.lang.String	<u>xml</u> (java.lang.String prefix, boolean includeXMLDeclaration)	Deprecated. use <u>xml</u> (MxWri instead
default java.lang.String	<u>xml</u> (java.lang.String prefix, boolean includeXMLDeclaration, <u>EscapeHandler</u> escapeHandler)	Deprecated. use <u>xml</u> (MxWri instead

♦ Field Detail

♦ HEADER_LOCALNAME

```
static final java.lang.String HEADER_LOCALNAME
```

See Also:

[Constant Field Values](#)

♦ Method Detail

♦ from

```
java.lang.String from()
```

Gets the header sender form the "Fr" element.

The From element is used for the identification of the sender, whether as a BIC, a name and address, a proprietary identification or a Uniform Resource Identifier (URI).

Returns:

the sender BIC code or null if the element is not found

♦ to

```
java.lang.String to()
```

Gets the header receiver form the "To" element.

The To element is used for identification of the receiver, whether as a BIC, a name and address, a proprietary identification or a Uniform Resource Identifier (URI).

Returns:

the receiver BIC code or null if the element is not found

♦ reference

```
java.lang.String reference()
```

Gets the message reference from the "BizMsgIdr" (BAH) or "MsgRef" (AH) element.

Returns:

the message reference from the header or null if the element is not found

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ **messageName**

```
java.lang.String messageName()
```

Gets the message name from the "MsgDefIdr" (BAH) or "MsgName" (AH) element.

Returns:

the message name from the header or null if the element is not found

◇ **serviceName**

```
java.lang.String serviceName()
```

Gets the service name from the "BizSvc" (BAH) or "SvcName" (AH) element.

Returns:

the service name from the header or null if the element is not found

◇ **duplicate**

```
boolean duplicate()
```

Gets the duplicate flag from the "PssblDplct" (BAH) or "Dup" (AH) element

Returns:

true if the element is present, false otherwise

◇ **creationDate**

```
java.time.OffsetDateTime creationDate()
```

Gets the message creation date from the "CreDate" (BAH) or "CrDate" (AH) element.

Returns:

found date or null if the element is not found

◇ **setCreationDate**

```
void setCreationDate (boolean overwrite)
```

Sets the creation date in the header object with current moment in UTC time zone.

Parameters:

`overwrite` - if true, the creation date will always be set overwriting any previous value; if false it will be set only if it is not already set

◇ **xml**

```
default java.lang.String xml()
```

Get this header as an XML string.

The implementation uses `xml (MxWriteParams)` with no prefix and no XML declaration.

Returns:

header serialized into XML string or null in case of unexpected error

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ xml

```
@Deprecated
@ProvideDeprecated(phase4=SRU2025)
java.lang.String xml (java.lang.String prefix,
                     boolean includeXMLDeclaration)
```

Deprecated.

use xml(MxWriteParams) instead

◇ xml

```
@Deprecated
@ProvideDeprecated(phase4=SRU2025)
default java.lang.String xml (java.lang.String prefix,
                             boolean includeXMLDeclaration,
                             EscapeHandler escapeHandler)
```

Deprecated.

use xml(MxWriteParams) instead

◇ xml

```
default java.lang.String xml (MxWriteParams params)
```

Get this header as an XML string.

Parameters:

params - not null marshalling parameters

Returns:

header serialized into XML string or null in case of unexpected error

Since:

9.2.6

◇ element

```
org.w3c.dom.Element element()
```

Gets the header as an Element object.

◇ namespace

```
default java.lang.String namespace()
```

Gets the specific namespace of the header

Returns:

default implementation returns null

Since:

9.1.7

Skip navigation links

- Overview
- Package
- Class
- Tree

- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Field](#) |
- Constr |
- [Method](#)

- Detail:
- [Field](#) |
- Constr |
- [Method](#)

JavaScript is disabled on your browser.

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- Class
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)

- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- Nested |
- Field |
- [Constr](#) |
- [Method](#)

- Detail:
- Field |
- [Constr](#) |
- [Method](#)

Package [com.prowidesoftware.swift.model.mx](#)

Class AppHdrAdapter

- [java.lang.Object](#)
- ◆ [com.prowidesoftware.swift.model.mx.AppHdrAdapter](#)
- All Implemented Interfaces:
 - [com.google.gson.JsonDeserializer<\[AppHdr\]\(#\)>](#),
 - [com.google.gson.JsonSerializer<\[AppHdr\]\(#\)>](#)

```
public class AppHdrAdapter
    extends java.lang.Object
    implements com.google.gson.JsonSerializer<AppHdr>, com.google.gson.JsonDeserializer<AppHdr>
```

Since:

9.1.7

- ◆ **Constructor Summary**

Constructors

Constructor	Description
-------------	-------------

AppHdrAdapter ()	
----------------------------------	--

- ◆ **Method Summary**

All Methods [Instance Methods](#) [Concrete Methods](#)

Modifier and Type	Method
AppHdr	<u>deserialize</u> (com.google.gson.JsonElement json, java.lang.reflect.Type typeOfSrc, com.google.gson.JsonDeserializationContext ctx) throws com.google.gson.JsonIOException
com.google.gson.JsonElement	<u>serialize</u> (AppHdr hdr, java.lang.reflect.Type typeOfSrc, com.google.gson.JsonSerializationContext ctx) throws com.google.gson.JsonIOException

◆ **Methods inherited from class [java.lang.Object](#)**

```
clone, equals, finalize, getClass, hashCode, notify,
notifyAll, toString, wait, wait, wait
```

- ◆ **Constructor Detail**

◆ **AppHdrAdapter**

```
public AppHdrAdapter()
```

◆ Method Detail

◆ **serialize**

```
public com.google.gson.JsonElement serialize (AppHdr hdr,
                                             java.lang.reflect.Type t,
                                             com.google.gson.JsonSer
```

Specified by:

```
serialize in
interface com.google.gson.JsonSerializer<AppHdr>
```

◆ **deserialize**

```
public AppHdr deserialize (com.google.gson.JsonElement json,
                           java.lang.reflect.Type typeOfT,
                           com.google.gson.JsonDeserializationContext
                           throws com.google.gson.JsonParseException
```

Specified by:

```
deserialize in
interface com.google.gson.JsonDeserializer<AppHdr>
```

Throws:

```
com.google.gson.JsonParseException
```

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:
- Nested |
- Field |
- [Constr](#) |
- [Method](#)

- Detail:
- Field |
- [Constr](#) |
- [Method](#)

JavaScript is disabled on your browser.

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
 - [Nested I](#)
 - [Field I](#)
 - [Constr I](#)
 - [Method](#)
- Detail:
 - [Field I](#)
 - [Constr I](#)
 - [Method](#)

Package [com.providesoftware.swift.model.mx](#)

Class AppHdrFactory

- [java.lang.Object](#)
- [com.providesoftware.swift.model.mx.AppHdrFactory](#)

```
public class AppHdrFactory
    extends java.lang.Object
```

Factory methods to create different variant of application headers.

Since:

9.0.1

- [Constructor Summary](#)

Constructors

Constructor	Description
<u>AppHdrFactory()</u>	

Method Summary

All Methods [Static Methods](#) [Concrete Methods](#)

Modifier and Type	Method	Description
static AppHdr	createAppHdr (AppHdrType type, java.lang.String sender, java.lang.String receiver, java.lang.String reference, MxId id)	Convenient method to create a new header, initialized from simple parameters.
static BusinessAppHdrV01	createBusinessAppHdrV01 (java.lang.String sender, java.lang.String receiver, java.lang.String reference, MxId id)	Convenient method to ISO header version 1, initialized from simple parameters.
static BusinessAppHdrV02	createBusinessAppHdrV02 (java.lang.String sender, java.lang.String receiver, java.lang.String reference, MxId id)	Convenient method to ISO header version 2, initialized from simple parameters.
static BusinessAppHdrV03	createBusinessAppHdrV03 (java.lang.String sender, java.lang.String receiver, java.lang.String reference, MxId id)	Convenient method to ISO header version 3, initialized from simple parameters.
static BusinessAppHdrV04	createBusinessAppHdrV04 (java.lang.String sender, java.lang.String receiver, java.lang.String reference, MxId id)	Convenient method to ISO header version 4, initialized from simple parameters.
static LegacyAppHdr	createLegacyAppHdr (java.lang.String sender, java.lang.String receiver, java.lang.String reference, MxId id)	Convenient method to create a new legacy SWIFT

◆ Modifier and Type	Method	Description
		header, initialized from simple parameters.

◆ Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

• ◆ Constructor Detail

◆ AppHdrFactory

```
public AppHdrFactory()
```

◆ Method Detail

◆ createBusinessAppHdrV01

```
public static BusinessAppHdrV01 createBusinessAppHdrV01 (java.lang.Str
java.lang.Str
java.lang.Str
MxId id)
```

Convenient method to create a new ISO header version 1, initialized from simple parameters.

All parameters are optional but in order for the header to be valid the sender, receiver and reference must be set. Creation date will be set to current time.

Parameters:

sender - optional sender BIC for the Fr element or null to leave not set
receiver - optional receiver BIC for the To element or null to leave not set
reference - optional reference for the BizMsgIdr (business message identifier) or null to leave not set
id - optional MX identification for the MsgDefIdr (message definition identifier) element or null to leave not set

Returns:

new header initialized from parameters.

◆ createBusinessAppHdrV02

```
public static BusinessAppHdrV02 createBusinessAppHdrV02 (java.lang.Str
java.lang.Str
java.lang.Str
MxId id)
```

Convenient method to create a new ISO header version 2, initialized from simple parameters.

All parameters are optional but in order for the header to be valid the sender, receiver and reference must be set. Creation date will be set to current time.

MxBusinessProcess (Provide ISO 20022 API Reference)

Parameters:

`sender` - optional sender BIC for the Fr element or null to leave not set
`receiver` - optional receiver BIC for the To element or null to leave not set
`reference` - optional reference for the BizMsgIdr (business message identifier) or null to leave not set
`id` - optional MX identification for the MsgDefIdr (message definition identifier) element or null to leave not set

Returns:

new header initialized from parameters.

◇ **createBusinessAppHdrV03**

```
public static BusinessAppHdrV03 createBusinessAppHdrV03 (java.lang.Str  
                                                         java.lang.Str  
                                                         java.lang.Str  
                                                         MxId id)
```

Convenient method to create a new ISO header version 3, initialized from simple parameters.

All parameters are optional but in order for the header to be valid the sender, receiver and reference must be set. Creation date will be set to current time.

Parameters:

`sender` - optional sender BIC for the Fr element or null to leave not set
`receiver` - optional receiver BIC for the To element or null to leave not set
`reference` - optional reference for the BizMsgIdr (business message identifier) or null to leave not set
`id` - optional MX identification for the MsgDefIdr (message definition identifier) element or null to leave not set

Returns:

new header initialized from parameters.

Since:

9.3.4

◇ **createBusinessAppHdrV04**

```
public static BusinessAppHdrV04 createBusinessAppHdrV04 (java.lang.Str  
                                                         java.lang.Str  
                                                         java.lang.Str  
                                                         MxId id)
```

Convenient method to create a new ISO header version 4, initialized from simple parameters.

All parameters are optional but in order for the header to be valid the sender, receiver and reference must be set. Creation date will be set to current time.

Parameters:

`sender` - optional sender BIC for the Fr element or null to leave not set
`receiver` - optional receiver BIC for the To element or null to leave not set
`reference` - optional reference for the BizMsgIdr (business message identifier) or null to leave not set

MxBusinessProcess (Provide ISO 20022 API Reference)

`id` - optional MX identification for the `MsgDefIdr` (message definition identifier) element or null to leave not set

Returns:

new header initialized from parameters.

Since:

10.2.2

◇ **createLegacyAppHdr**

```
public static LegacyAppHdr createLegacyAppHdr (java.lang.String sender,
                                                java.lang.String receiver,
                                                java.lang.String reference,
                                                MxId id)
```

Convenient method to create a new legacy SWIFT header, initialized from simple parameters.

All parameters are optional but in order for the header to be valid the sender, receiver and reference must be set. Creation date will be set to current time.

Parameters:

`sender` - optional sender BIC for the `Fr` element or null to leave not set
`receiver` - optional receiver BIC for the `To` element or null to leave not set
`reference` - optional reference for the `BizMsgIdr` (business message identifier) or null to leave not set
`id` - optional MX identification for the `MsgDefIdr` (message definition identifier) element or null to leave not set

Returns:

new header initialized from parameters.

◇ **createAppHdr**

```
public static AppHdr createAppHdr (AppHdrType type,
                                     java.lang.String sender,
                                     java.lang.String receiver,
                                     java.lang.String reference,
                                     MxId id)
```

Convenient method to create a new header, initialized from simple parameters.

Parameters:

`sender` - optional sender BIC for the `Fr` element or null to leave not set
`receiver` - optional receiver BIC for the `To` element or null to leave not set
`reference` - optional reference for the `BizMsgIdr` (business message identifier) or null to leave not set
`id` - optional MX identification for the `MsgDefIdr` (message definition identifier) element or null to leave not set

Returns:

new header initialized from parameters

Since:

9.1.6

[Skip navigation links](#)

- [Overview](#)

- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:
- Nested |
- Field |
- [Constr](#) |
- [Method](#)

- Detail:
- Field |
- [Constr](#) |
- [Method](#)

JavaScript is disabled on your browser.

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)

- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- Nested |
- Field |
- [Constr](#) |
- [Method](#)

- Detail:
- Field |

- [Constructor](#)
- [Method](#)

Package [com.prowidesoftware.swift.model.mx](#)

Class AppHdrParser

- java.lang.Object
- - ◆ com.prowidesoftware.swift.model.mx.AppHdrParser

```
public class AppHdrParser
    extends java.lang.Object
```

Since:

9.1.2

- ◆ **Constructor Summary**

Constructors

Constructor	Description
AppHdrParser()	

- ◆ **Method Summary**

All Methods [Static Methods](#) [Concrete Methods](#)

Modifier and Type	Method	Description
static java.util.Optional< AppHdr >	parse (java.lang.String xml)	Detects the header by reading the name in the AppHdr element and parses the header content to a specific header model: LegacyAppHdr BusinessAppHdr or BusinessAppHdr Default adapters are applied, for more information use parse(String xml, MxReadParams params)
static java.util.Optional< AppHdr >	parse (java.lang.String xml, MxReadParams params)	Detects the header by reading the name in the AppHdr element and parses the header content to a specific header model: LegacyAppHdr

Modifier and Type	Method	Description
		BusinessAppHdr or BusinessAppHdr
static java.util.Optional< AppHdr >	parse (org.w3c.dom.Element e)	Parse the business header from an XML Element node

◆ Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

• ◆ Constructor Detail

◆ AppHdrParser

```
public AppHdrParser()
```

◆ Method Detail

◆ parse

```
public static java.util.Optional<AppHdr> parse (java.lang.String xml)
```

Detects the header version by reading the namespace in the AppHdr element and parses the header content to a specific header model: [LegacyAppHdr](#), [BusinessAppHdrV01](#) or [BusinessAppHdrV02](#) Default adapters are applied, for more options use [parse\(String, MxReadParams\)](#)

Parameters:

xml - a not null XML to parse, only the AppHdr element is parse, the rest of the XML content is silently ignored

Returns:

parsed header

◆ parse

```
public static java.util.Optional<AppHdr> parse (java.lang.String xml,  
MxReadParams params)
```

Detects the header version by reading the namespace in the AppHdr element and parses the header content to a specific header model: [LegacyAppHdr](#), [BusinessAppHdrV01](#) or [BusinessAppHdrV02](#)

Parameters:

xml - an not null XML to parse, only the AppHdr element is parse, the rest of the XML content is silently ignored
params - not null unmarshalling parameters

Returns:

parsed header

Since:

9.2.6

◇ **parse**

```
public static java.util.Optional<AppHdr> parse (org.w3c.dom.Element e)
```

Parse the business header from an XML Element node

The implementation serializes the element into XML and calls [parse\(String\)](#)

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- Class
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:
- Nested |
- Field |
- [Constr](#) |
- [Method](#)

- Detail:
- Field |
- [Constr](#) |
- [Method](#)

JavaScript is disabled on your browser.

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- Class
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)

- SEARCH:

JavaScript is disabled on your browser.

- [Summary](#):
- [Nested |](#)
- [Enum Constants |](#)
- [Field |](#)
- [Method](#)
- [Detail](#):
- [Enum Constants |](#)
- [Field |](#)
- [Method](#)

Package [com.providesoftware.swift.model.mx](#)

Enum AppHdrType

- [java.lang.Object](#)
- [java.lang.Enum<\[AppHdrType\]\(#\)>](#)
 - [com.providesoftware.swift.model.mx.AppHdrType](#)
- All Implemented Interfaces:
 - [java.io.Serializable](#), [java.lang.Comparable<\[AppHdrType\]\(#\)>](#)

```
public enum AppHdrType
extends java.lang.Enum<AppHdrType>
```

Since:

9.1.2

• [Enum Constant Summary](#)

Enum Constants

Enum Constant Description

[BAH V1](#)

[BAH V2](#)

[BAH V3](#)

[BAH V4](#)

[LEGACY](#)

• [Method Summary](#)

All Methods [Static Methods](#) [Instance Methods](#) [Concrete Methods](#)

Modifier and Type	Method	Description
java.lang.String	<u>getNamespace()</u>	
static		
java.lang.Class	<u>of</u> (java.lang.String namespace)	

Modifier and Type	Method	Description
static <u>AppHdrType</u>	<u>valueOf</u> (<code>java.lang.String name</code>)	Returns the enum constant of this type with the specified name.
static <u>AppHdrType</u> []	<u>values</u> ()	Returns an array containing the constants of this enum type, in the order they are declared.

◆ Methods inherited from class java.lang.Enum

clone, compareTo, equals, finalize, getDeclaringClass, hashCode, name, ordinal, toString, valueOf

◆ Methods inherited from class java.lang.Object

getClass, notify, notifyAll, wait, wait, wait

• ◆ Enum Constant Detail

◆ LEGACY

```
public static final AppHdrType LEGACY
```

◆ BAH_V1

```
public static final AppHdrType BAH_V1
```

◆ BAH_V2

```
public static final AppHdrType BAH_V2
```

◆ BAH_V3

```
public static final AppHdrType BAH_V3
```

◆ BAH_V4

```
public static final AppHdrType BAH_V4
```

◆ Method Detail

◆ values

```
public static AppHdrType[] values()
```

Returns an array containing the constants of this enum type, in the order they are declared. This method may be used to iterate over the constants as follows:

```
for (AppHdrType c : AppHdrType.values())
    System.out.println(c);
```

Returns:

an array containing the constants of this enum type, in the order they are declared

◇ **valueOf**

```
public static AppHdrType valueOf (java.lang.String name)
```

Returns the enum constant of this type with the specified name. The string must match *exactly* an identifier used to declare an enum constant in this type. (Extraneous whitespace characters are not permitted.)

Parameters:

name - the name of the enum constant to be returned.

Returns:

the enum constant with the specified name

Throws:

java.lang.IllegalArgumentException - if this enum type has no constant with the specified name

java.lang.NullPointerException - if the argument is null

◇ **of**

```
public static java.lang.Class of (java.lang.String namespace)
```

Parameters:

namespace - the namespace of the header

Returns:

the header implementation class or null if namespace is invalid or cannot be matched

Since:

9.1.7

◇ **getNamespace**

```
public java.lang.String getNamespace()
```

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Enum Constants](#) |
- Field |
- [Method](#)

- Detail:
- [Enum Constants](#) |
- [Field](#) |
- [Method](#)

JavaScript is disabled on your browser.

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- [Nested](#) |
- [Field](#) |
- [Constr](#) |
- [Method](#)
- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)

Package [com.providesoftware.swift.model.mx](#)

Class BusinessAppHdrV01

- java.lang.Object
- - ◆ com.providesoftware.swift.model.mx.dic.BusinessApplicationHeaderV01Impl
 - ◆ ◇ com.providesoftware.swift.model.mx.BusinessAppHdrV01
- All Implemented Interfaces:

[AppHdr](#)

```
public class BusinessAppHdrV01
    extends com.providesoftware.swift.model.mx.dic.BusinessApplicationHeaderV01Impl
    implements AppHdr
```

ISO 20022 business application header version 1 usually known by its namespace head.001.001.01

Since:

9.0.1

- ◆ **Field Summary**

Fields

Modifier and Type	Field	Description
static java.lang.String	<u>NAMESPACE</u>	
◇	Fields inherited from	
	class com.providesoftware.swift.model.mx.dic.BusinessApplication	
	bizMsgIdr, bizSvc, charSet, cpyDplct, creDt, fr, msgDefIdr, prty, pssblDplct, rltd, sgntr, to	
◇	Fields inherited from	
	interface com.providesoftware.swift.model.mx.AppHdr	

[HEADER LOCALNAME](#)

- ◆ **Constructor Summary**

Constructors

Constructor	Description
<u>BusinessAppHdrV01()</u>	

- ◆ **Method Summary**

All Methods [Static Methods](#) [Instance Methods](#) [Concrete Methods](#) [Deprecated Methods](#)

Modifier and Type	Method
java.time.OffsetDateTime	<u>creationDate()</u>
boolean	<u>duplicate()</u>
org.w3c.dom.Element	<u>element()</u>
org.w3c.dom.Element	<u>element</u> (jakarta.xml.bind.JAXBContext input)
java.lang.String	<u>from()</u>
java.lang.String	<u>messageName()</u>
java.lang.String	<u>namespace()</u>
static <u>BusinessAppHdrV01</u>	<u>parse</u> (java.lang.String xml)
static <u>BusinessAppHdrV01</u>	<u>parse</u> (java.lang.String xml, <u>MxReadParams</u> p)
java.lang.String	<u>reference()</u>
java.lang.String	<u>serviceName()</u>

Modifier and Type	Method
void	<u>setCreationDate</u> (boolean overwrite)
java.lang.String	<u>to</u> ()
java.lang.String	<u>xml</u> (<u>MxWriteParams</u> params)
java.lang.String	<u>xml</u> (java.lang.String prefix, boolean includeXMLDeclaration)
java.lang.String	<u>xml</u> (java.lang.String prefix, boolean includeXMLDeclaration, <u>EscapeHandler</u> escapeHandler)

◇ **Methods inherited from class com.providesoftware.swift.model.mx.dic.BusinessApplication**

equals, getBizMsgIdr, getBizSvc, getCharSet, getCpyDplct, getCreDt, getFr, getMsgDefIdr, getPrty, getRltd, getSgntr, getTo, hashCode, isPssblDplct, setBizMsgIdr, setBizSvc, setCharSet, setCpyDplct, setCreDt, setFr, setMsgDefIdr, setPrty, setPssblDplct, setRltd, setSgntr, setTo, toString

◇ **Methods inherited from class java.lang.Object**

clone, finalize, getClass, notify, notifyAll, wait, wait, wait

◇ **Methods inherited from interface com.providesoftware.swift.model.mx.AppHdr**

xml

- ◆ **Field Detail**

◇ **NAMESPACE**

public static final java.lang.String NAMESPACE

See Also:

Constant Field Values

- ◆ **Constructor Detail**

◇ **BusinessAppHdrV01**

public BusinessAppHdrV01()

- ◆ **Method Detail**

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ parse

```
public static BusinessAppHdrV01 parse (java.lang.String xml)
```

Parse the header from an XML with optional wrapper and sibling elements that will be ignored.

Default adapters are applied, for more options use parse(String, MxReadParams)

Parameters:

xml - the XML content, can contain wrapper elements that will be ignored

Returns:

parsed element or null if cannot be parsed

Throws:

com.providesoftware.ProvideException - if severe errors occur during parse

◇ parse

```
public static BusinessAppHdrV01 parse (java.lang.String xml,  
                                         MxReadParams params)
```

Parse the header from an XML with optional wrapper and sibling elements that will be ignored.

Parameters:

xml - the XML content, can contain wrapper elements that will be ignored
params - not null unmarshalling parameters

Returns:

parsed element or null if cannot be parsed

Throws:

com.providesoftware.ProvideException - if severe errors occur during parse

Since:

9.2.6

◇ from

```
public java.lang.String from()
```

Gets the sender BIC code from these elements in the following order:

1. BusinessApplicationHeaderV01/Fr/FIId/FinInstnId/BICFI
2. BusinessApplicationHeaderV01/Fr/OrgId/Id/OrgId/Id/AnyBIC

Specified by:

from in interface AppHdr

Returns:

found BIC or null if not present or cannot be parsed

◇ to

```
public java.lang.String to()
```

Gets the receiver BIC code from these elements in the following order:

MxBusinessProcess (Provide ISO 20022 API Reference)

1. BusinessApplicationHeaderV02/To/FinInstnId/BICFI
2. BusinessApplicationHeaderV02/To/OrgId/Id/OrgId/Id/AnyBIC

Specified by:

to in interface AppHdr

Returns:

found BIC or null if not present or cannot be parsed

◇ **reference**

```
public java.lang.String reference()
```

Get the message reference.

Specified by:

reference in interface AppHdr

Returns:

the message reference from the header or null if the element is not found

See Also:

```
BusinessApplicationHeaderV01Impl.getBizMsgIdr()
```

◇ **messageName**

```
public java.lang.String messageName()
```

Gets the message name.

Specified by:

messageName in interface AppHdr

Returns:

the message name from the header or null if the element is not found

See Also:

```
BusinessApplicationHeaderV01Impl.getMsgDefIdr()
```

◇ **serviceName**

```
public java.lang.String serviceName()
```

Gets the service name.

Specified by:

serviceName in interface AppHdr

Returns:

the service name from the header or null if the element is not found

See Also:

```
BusinessApplicationHeaderV01Impl.getBizSvc()
```

◇ **duplicate**

```
public boolean duplicate()
```

Description copied from interface: AppHdr

Gets the duplicate flag from the "PssblDplct" (BAH) or "Dup" (AH) element

Specified by:

duplicate in interface AppHdr

Returns:

true if the CpyDplct element is present, false otherwise

See Also:

```
BusinessApplicationHeaderV01Impl.getCpyDplct()
```

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ **creationDate**

```
public java.time.OffsetDateTime creationDate()
```

Gets the creation date

Specified by:

[creationDate](#) in interface [AppHdr](#)

Returns:

found date or null if the element is not found

See Also:

`BusinessApplicationHeaderV01Impl.getCredDt()`

◇ **setCreationDate**

```
public void setCreationDate (boolean overwrite)
```

Sets the creation date.

Specified by:

[setCreationDate](#) in interface [AppHdr](#)

Parameters:

`overwrite` - if true, the creation date will always be set overwriting any previous value;

See Also:

`BusinessApplicationHeaderV01Impl.setCredDt(OffsetDateTime)`

◇ **xml**

```
@Deprecated
@ProvideDeprecated(phase4=SRU2025)
public java.lang.String xml (java.lang.String prefix,
                             boolean includeXMLDeclaration)
```

Deprecated.

use [xml\(MxWriteParams\)](#) instead

Specified by:

[xml](#) in interface [AppHdr](#)

◇ **xml**

```
@Deprecated
@ProvideDeprecated(phase4=SRU2025)
public java.lang.String xml (java.lang.String prefix,
                             boolean includeXMLDeclaration,
                             EscapeHandler escapeHandler)
```

Deprecated.

use [xml\(MxWriteParams\)](#) instead

Specified by:

[xml](#) in interface [AppHdr](#)

◇ **xml**

```
public java.lang.String xml (MxWriteParams params)
```

Description copied from interface: [AppHdr](#)

MxBusinessProcess (Provide ISO 20022 API Reference)

Get this header as an XML string.

Specified by:

xml in interface AppHdr

Parameters:

params - not null marshalling parameters

Returns:

header serialized into XML string or null in case of unexpected error

◇ **element**

```
public org.w3c.dom.Element element()
```

Description copied from interface: AppHdr

Gets the header as an Element object.

Specified by:

element in interface AppHdr

◇ **element**

```
public org.w3c.dom.Element element (jakarta.xml.bind.JAXBContext input)
```

Since:

9.3.5

◇ **namespace**

```
public java.lang.String namespace()
```

Description copied from interface: AppHdr

Gets the specific namespace of the header

Specified by:

namespace in interface AppHdr

Returns:

NAMESPACE

Since:

9.1.7

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- [Summary:](#)

- [Nested |](#)
- [Field |](#)
- [Constr |](#)
- [Method](#)

- Detail:
- [Field |](#)
- [Constr |](#)
- [Method](#)

JavaScript is disabled on your browser.

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- [Nested |](#)
- [Field |](#)
- [Constr |](#)
- [Method](#)

- Detail:
- [Field |](#)
- [Constr |](#)
- [Method](#)

Package [com.prowidesoftware.swift.model.mx](#)

Class BusinessAppHdrV02

- [java.lang.Object](#)
- - ◆ [com.prowidesoftware.swift.model.mx.dic.BusinessApplicationHeaderV02Impl](#)
 - ◆ [com.prowidesoftware.swift.model.mx.BusinessAppHdrV02](#)

- All Implemented Interfaces:
[AppHdr](#)

```
public class BusinessAppHdrV02
extends com.providesoftware.swift.model.mx.dic.BusinessApplicationHeaderV02Impl
implements AppHdr
```

ISO 20022 business application header version 2 usually known by its namespace head.001.001.02
Since:

9.0.1

- ◆ **Field Summary**

Fields

Modifier and Type	Field	Description
static java.lang.String	<u>NAMESPACE</u>	
◆	Fields inherited from	
	class com.providesoftware.swift.model.mx.dic.BusinessApplicationHeaderV02Impl	
	bizMsgIdr, bizPrccDt, bizSvc, charSet, cpyDplct, creDt, fr, mktPrctc, msgDefIdr, prty, pssblDplct, rltd, sgnt, to	
◆	Fields inherited from	
	interface com.providesoftware.swift.model.mx.<u>AppHdr</u>	
	<u>HEADER</u> <u>LOCALNAME</u>	

- ◆ **Constructor Summary**

Constructors

Constructor	Description
<u>BusinessAppHdrV02()</u>	

- ◆ **Method Summary**

All Methods Static Methods Instance Methods Concrete Methods Deprecated Methods

Modifier and Type	Method
java.time.OffsetDateTime	<u>creationDate()</u>
boolean	<u>duplicate()</u>
org.w3c.dom.Element	<u>element()</u>
org.w3c.dom.Element	<u>element</u> (jakarta.xml.bind.JAXBContext input)
java.lang.String	<u>from()</u>
java.lang.String	<u>messageName()</u>
java.lang.String	<u>namespace()</u>

Modifier and Type	Method
static <u>BusinessAppHdrV02</u>	<u>parse</u> (java.lang.String xml)
static <u>BusinessAppHdrV02</u>	<u>parse</u> (java.lang.String xml, <u>MxReadParams</u> p)
java.lang.String	<u>reference</u> ()
java.lang.String	<u>serviceName</u> ()
void	<u>setCreationDate</u> (boolean overwrite)
java.lang.String	<u>to</u> ()
java.lang.String	<u>xml</u> (<u>MxWriteParams</u> params)
java.lang.String	<u>xml</u> (java.lang.String prefix, boolean includeXMLDeclaration)
java.lang.String	<u>xml</u> (java.lang.String prefix, boolean includeXMLDeclaration, <u>EscapeHandler</u> escapeHandler)

◇ **Methods inherited from class com.providesoftware.swift.model.mx.dic.BusinessApplication**

addRltd, equals, getBizMsgIdr, getBizPrctgDt, getBizSvc, getCharSet, getCpyDplct, getCreDt, getFr, getMktPrctc, getMsgDefIdr, getPrty, getRltd, getSgntr, getTo, hashCode, isPssblDplct, setBizMsgIdr, setBizPrctgDt, setBizSvc, setCharSet, setCpyDplct, setCreDt, setFr, setMktPrctc, setMsgDefIdr, setPrty, setPssblDplct, setSgntr, setTo, toString

◇ **Methods inherited from class java.lang.Object**

clone, finalize, getClass, notify, notifyAll, wait, wait, wait

◇ **Methods inherited from interface com.providesoftware.swift.model.mx.AppHdr**

xml

• ◇ **Field Detail**

◇ **NAMESPACE**

public static final java.lang.String NAMESPACE

See Also:

Constant Field Values

◆ Constructor Detail

◆ BusinessAppHdrV02

```
public BusinessAppHdrV02()
```

◆ Method Detail

◆ parse

```
public static BusinessAppHdrV02 parse (java.lang.String xml)
```

Parse the header from an XML with optional wrapper and sibling elements that will be ignored. Default adapters are applied, for more options use parse(String, MxReadParams)

Parameters:

xml - the XML content, can contain wrapper elements that will be ignored

Returns:

parsed element or null if cannot be parsed

Throws:

com.providesoftware.ProvideException - if severe errors occur during parse

◆ parse

```
public static BusinessAppHdrV02 parse (java.lang.String xml,
                                         MxReadParams params)
```

Parse the header from an XML with optional wrapper and sibling elements that will be ignored.

Parameters:

xml - the XML content, can contain wrapper elements that will be ignored

params - not null unmarshalling parameters

Returns:

parsed element or null if cannot be parsed

Throws:

com.providesoftware.ProvideException - if severe errors occur during parse

Since:

9.2.6

◆ from

```
public java.lang.String from()
```

Gets the sender BIC code from these elements in the following order:

1. BusinessApplicationHeaderV02/Fr/FIId/FinInstnId/BICFI
2. BusinessApplicationHeaderV02/Fr/OrgId/Id/OrgId/Id/AnyBIC

Specified by:

from in interface AppHdr

Returns:

found BIC or null if not present or cannot be parsed

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ to

```
public java.lang.String to()
```

Gets the receiver BIC code from these elements in the following order:

1. BusinessApplicationHeaderV02/To/FinInstnId/BICFI
2. BusinessApplicationHeaderV02/To/OrgId/Id/OrgId/Id/AnyBIC

Specified by:

to in interface AppHdr

Returns:

found BIC or null if not present or cannot be parsed

◇ reference

```
public java.lang.String reference()
```

Get the message reference.

Specified by:

reference in interface AppHdr

Returns:

the message reference from the header or null if the element is not found

See Also:

```
BusinessApplicationHeaderV02Impl.getBizMsgIdr()
```

◇ messageName

```
public java.lang.String messageName()
```

Gets the message name.

Specified by:

messageName in interface AppHdr

Returns:

the message name from the header or null if the element is not found

See Also:

```
BusinessApplicationHeaderV02Impl.getMsgDefIdr()
```

◇ serviceName

```
public java.lang.String serviceName()
```

Gets the service name.

Specified by:

serviceName in interface AppHdr

Returns:

the service name from the header or null if the element is not found

See Also:

```
BusinessApplicationHeaderV02Impl.getBizSvc()
```

◇ duplicate

```
public boolean duplicate()
```

Description copied from interface: AppHdr

Gets the duplicate flag from the "PssblDplct" (BAH) or "Dup" (AH) element

Specified by:

MxBusinessProcess (Provide ISO 20022 API Reference)

duplicate in interface AppHdr

Returns:

true if the CpyDplct element is present, false otherwise

See Also:

`BusinessApplicationHeaderV02Impl.getCpyDplct()`

◇ **creationDate**

```
public java.time.OffsetDateTime creationDate()
```

Gets the creation date

Specified by:

creationDate in interface AppHdr

Returns:

found date or null if the element is not found

See Also:

`BusinessApplicationHeaderV02Impl.getCreDt()`

◇ **setCreationDate**

```
public void setCreationDate (boolean overwrite)
```

Sets the creation date.

Specified by:

setCreationDate in interface AppHdr

Parameters:

overwrite - if true, the creation date will always be set overwriting any previous value;

See Also:

`BusinessApplicationHeaderV02Impl.setCreDt(OffsetDateTime)`

◇ **xml**

```
@Deprecated
@ProvideDeprecated(phase4=SRU2025)
public java.lang.String xml (java.lang.String prefix,
                             boolean includeXMLDeclaration)
```

Deprecated.

use xml(MxWriteParams) instead

Specified by:

xml in interface AppHdr

◇ **xml**

```
@Deprecated
@ProvideDeprecated(phase4=SRU2025)
public java.lang.String xml (java.lang.String prefix,
                             boolean includeXMLDeclaration,
                             EscapeHandler escapeHandler)
```

Deprecated.

use xml(MxWriteParams) instead

Specified by:

xml in interface AppHdr

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ xml

```
public java.lang.String xml (MxWriteParams params)
```

Description copied from interface: [AppHdr](#)

Get this header as an XML string.

Specified by:

[xml](#) in interface [AppHdr](#)

Parameters:

params - not null marshalling parameters

Returns:

header serialized into XML string or null in case of unexpected error

◇ element

```
public org.w3c.dom.Element element()
```

Description copied from interface: [AppHdr](#)

Gets the header as an Element object.

Specified by:

[element](#) in interface [AppHdr](#)

◇ element

```
public org.w3c.dom.Element element (jakarta.xml.bind.JAXBContext input)
```

Since:

9.3.5

◇ namespace

```
public java.lang.String namespace()
```

Description copied from interface: [AppHdr](#)

Gets the specific namespace of the header

Specified by:

[namespace](#) in interface [AppHdr](#)

Returns:

NAMESPACE

Since:

9.1.7

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:
- [Nested |](#)
- [Field |](#)
- [Constr |](#)
- [Method](#)

- Detail:
- [Field |](#)
- [Constr |](#)
- [Method](#)

JavaScript is disabled on your browser.

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)

- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- [Nested |](#)
- [Field |](#)
- [Constr |](#)
- [Method](#)

- Detail:
- [Field |](#)
- [Constr |](#)
- [Method](#)

Package [com.prowidesoftware.swift.model.mx](#)

Class BusinessAppHdrV03

- java.lang.Object
- ♦ com.providesoftware.swift.model.mx.dic.BusinessApplicationHeaderV03Impl
 - ♦ ◇ com.providesoftware.swift.model.mx.BusinessAppHdrV03

- All Implemented Interfaces:

AppHdr

```
public class BusinessAppHdrV03
  extends com.providesoftware.swift.model.mx.dic.BusinessApplicationHeaderV03Impl
  implements AppHdr
```

ISO 20022 business application header version 3 usually known by its namespace head.001.001.03

Since:

9.3.4

- ♦ **Field Summary**

Fields

Modifier and Type	Field	Description
static java.lang.String	<u>NAMESPACE</u>	
◇ Fields inherited from class com.providesoftware.swift.model.mx.dic.BusinessApplicationHeaderV03Impl		
	bizMsgIdr, bizPrctc, bizSvc, charSet, cpyDplct, creDt, fr, mktPrctc, msgDefIdr, prty, pssblDplct, rltd, sgnt, to	
◇ Fields inherited from interface com.providesoftware.swift.model.mx.AppHdr		
	<u>HEADER</u> <u>LOCALNAME</u>	

- ♦ **Constructor Summary**

Constructors

Constructor	Description
<u>BusinessAppHdrV03</u> ()	

- ♦ **Method Summary**

All Methods Static Methods Instance Methods Concrete Methods Deprecated Methods

Modifier and Type	Method
java.time.OffsetDateTime	<u>creationDate</u> ()
boolean	<u>duplicate</u> ()

MxBusinessProcess (Prowide ISO 20022 API Reference)

Modifier and Type	Method
org.w3c.dom.Element	<u>element</u> ()
org.w3c.dom.Element	<u>element</u> (jakarta.xml.bind.JAXBContext input)
java.lang.String	<u>from</u> ()
java.lang.String	<u>messageName</u> ()
java.lang.String	<u>namespace</u> ()
static <u>BusinessAppHdrV03</u>	<u>parse</u> (java.lang.String xml)
static <u>BusinessAppHdrV03</u>	<u>parse</u> (java.lang.String xml, <u>MxReadParams</u> p)
java.lang.String	<u>reference</u> ()
java.lang.String	<u>serviceName</u> ()
void	<u>setCreationDate</u> (boolean overwrite)
java.lang.String	<u>to</u> ()
java.lang.String	<u>xml</u> (<u>MxWriteParams</u> params)
java.lang.String	<u>xml</u> (java.lang.String prefix, boolean includeXMLDeclaration)
java.lang.String	<u>xml</u> (java.lang.String prefix, boolean includeXMLDeclaration, <u>EscapeHandler</u> escapeHandler)

◇ Methods inherited from

class com.prowidesoftware.swift.model.mx.dic.BusinessApplication

addRltd, equals, getBizMsgIdr, getBizPrctgDt, getBizSvc, getCharSet, getCpyDplct, getCreDt, getFr, getMktPrctc, getMsgDefIdr, getPrty, getRltd, getSgntr, getTo, hashCode, isPssblDplct, setBizMsgIdr, setBizPrctgDt, setBizSvc, setCharSet, setCpyDplct, setCreDt, setFr, setMktPrctc, setMsgDefIdr, setPrty, setPssblDplct, setSgntr, setTo, toString

◇ Methods inherited from class java.lang.Object

clone, finalize, getClass, notify, notifyAll, wait, wait, wait

◇ Methods inherited from

interface com.prowidesoftware.swift.model.mx.[AppHdr](#)

[xml](#)

◆ Field Detail

◇ NAMESPACE

```
public static final java.lang.String NAMESPACE
```

See Also:

[Constant Field Values](#)

◆ Constructor Detail

◇ BusinessAppHdrV03

```
public BusinessAppHdrV03()
```

◆ Method Detail

◇ parse

```
public static BusinessAppHdrV03 parse (java.lang.String xml)
```

Parse the header from an XML with optional wrapper and sibling elements that will be ignored. Default adapters are applied, for more options use [parse\(String, MxReadParams\)](#)

Parameters:

xml - the XML content, can contain wrapper elements that will be ignored

Returns:

parsed element or null if cannot be parsed

Throws:

[com.providesoftware.ProvideException](#) - if severe errors occur during parse

◇ parse

```
public static BusinessAppHdrV03 parse (java.lang.String xml,  
                                         MxReadParams params)
```

Parse the header from an XML with optional wrapper and sibling elements that will be ignored.

Parameters:

xml - the XML content, can contain wrapper elements that will be ignored

params - not null unmarshalling parameters

Returns:

parsed element or null if cannot be parsed

Throws:

[com.providesoftware.ProvideException](#) - if severe errors occur during parse

◇ from

```
public java.lang.String from()
```

Gets the sender BIC code from these elements in the following order:

1. BusinessApplicationHeaderV03/Fr/FIId/FinInstnId/BICFI

MxBusinessProcess (Provide ISO 20022 API Reference)

2. BusinessApplicationHeaderV03/Fr/OrgId/Id/OrgId/Id/AnyBIC

Specified by:

from in interface AppHdr

Returns:

found BIC or null if not present or cannot be parsed

◇ **to**

```
public java.lang.String to()
```

Gets the receiver BIC code from these elements in the following order:

1. BusinessApplicationHeaderV03/To/FIId/FinInstnId/BICFI
2. BusinessApplicationHeaderV03/To/OrgId/Id/OrgId/Id/AnyBIC

Specified by:

to in interface AppHdr

Returns:

found BIC or null if not present or cannot be parsed

◇ **reference**

```
public java.lang.String reference()
```

Get the message reference.

Specified by:

reference in interface AppHdr

Returns:

the message reference from the header or null if the element is not found

See Also:

```
BusinessApplicationHeaderV03Impl.getBizMsgIdr()
```

◇ **messageName**

```
public java.lang.String messageName()
```

Gets the message name.

Specified by:

messageName in interface AppHdr

Returns:

the message name from the header or null if the element is not found

See Also:

```
BusinessApplicationHeaderV03Impl.getMsgDefIdr()
```

◇ **serviceName**

```
public java.lang.String serviceName()
```

Gets the service name.

Specified by:

serviceName in interface AppHdr

Returns:

the service name from the header or null if the element is not found

See Also:

```
BusinessApplicationHeaderV03Impl.getBizSvc()
```

◇ **duplicate**

```
public boolean duplicate()
```

Description copied from interface: [AppHdr](#)

Gets the duplicate flag from the "PssblDplct" (BAH) or "Dup" (AH) element

Specified by:

[duplicate](#) in interface [AppHdr](#)

Returns:

true if the CpyDplct element is present, false otherwise

See Also:

[BusinessApplicationHeaderV03Impl.getCpyDplct\(\)](#)

◇ **creationDate**

```
public java.time.OffsetDateTime creationDate()
```

Gets the creation date

Specified by:

[creationDate](#) in interface [AppHdr](#)

Returns:

found date or null if the element is not found

See Also:

[BusinessApplicationHeaderV03Impl.getCreDt\(\)](#)

◇ **setCreationDate**

```
public void setCreationDate (boolean overwrite)
```

Sets the creation date.

Specified by:

[setCreationDate](#) in interface [AppHdr](#)

Parameters:

overwrite - if true, the creation date will always be set overwriting any previous value;

See Also:

[BusinessApplicationHeaderV03Impl.setCreDt\(OffsetDateTime\)](#)

◇ **xml**

```
@Deprecated
@ProvideDeprecated(phase4=SRU2025)
public java.lang.String xml (java.lang.String prefix,
                             boolean includeXMLDeclaration)
```

Deprecated.

use [xml\(MxWriteParams\)](#) instead

Specified by:

[xml](#) in interface [AppHdr](#)

◇ **xml**

```
@Deprecated
@ProvideDeprecated(phase4=SRU2025)
public java.lang.String xml (java.lang.String prefix,
                             boolean includeXMLDeclaration,
```

- [EscapeHandler](#) escapeHandler)

Deprecated.

use [xml \(MxWriteParams\)](#) instead

Specified by:

[xml](#) in interface [AppHdr](#)

◇ xml

```
public java.lang.String xml (MxWriteParams params)
```

Description copied from interface: [AppHdr](#)

Get this header as an XML string.

Specified by:

[xml](#) in interface [AppHdr](#)

Parameters:

params - not null marshalling parameters

Returns:

header serialized into XML string or null in case of unexpected error

◇ element

```
public org.w3c.dom.Element element()
```

Description copied from interface: [AppHdr](#)

Gets the header as an Element object.

Specified by:

[element](#) in interface [AppHdr](#)

◇ element

```
public org.w3c.dom.Element element (jakarta.xml.bind.JAXBContext input)
```

Since:

9.3.5

◇ namespace

```
public java.lang.String namespace()
```

Description copied from interface: [AppHdr](#)

Gets the specific namespace of the header

Specified by:

[namespace](#) in interface [AppHdr](#)

Returns:

NAMESPACE

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)

- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Field](#) |
- [Constr](#) |
- [Method](#)

- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)

JavaScript is disabled on your browser.

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- Class
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Field](#) |
- [Constr](#) |
- [Method](#)

- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)

Package [com.providesoftware.swift.model.mx](#)

Method Detail

Class BusinessAppHdrV04

- java.lang.Object
- ♦ com.providesoftware.swift.model.mx.dic.BusinessApplicationHeaderV04Impl
 - ♦ ◇ com.providesoftware.swift.model.mx.BusinessAppHdrV04

- All Implemented Interfaces:

AppHdr

```
public class BusinessAppHdrV04
  extends com.providesoftware.swift.model.mx.dic.BusinessApplicationHeaderV04Impl
  implements AppHdr
```

ISO 20022 business application header version 4 usually known by its namespace head.001.001.04
Since:

9.5.3

- ♦ **Field Summary**

Fields

Modifier and Type	Field	Description
static java.lang.String	<u>NAMESPACE</u>	
♦	Fields inherited from	
	class com.providesoftware.swift.model.mx.dic.BusinessApplicationHeaderV04Impl	
	bizMsgIdr, bizPrctc, bizSvc, charSet, cpyDplct, creDt, fr, mktPrctc, msgDefIdr, prty, pssblDplct, rltd, sgnt, to	
♦	Fields inherited from	
	interface com.providesoftware.swift.model.mx.<u>AppHdr</u>	
	<u>HEADER LOCALNAME</u>	

- ♦ **Constructor Summary**

Constructors

Constructor	Description
<u>BusinessAppHdrV04</u> ()	

- ♦ **Method Summary**

All Methods Static Methods Instance Methods Concrete Methods Deprecated Methods

Modifier and Type	Method
java.time.OffsetDateTime	<u>creationDate</u> ()
boolean	<u>duplicate</u> ()

MxBusinessProcess (Provide ISO 20022 API Reference)

Modifier and Type	Method
org.w3c.dom.Element	<u>element</u> ()
org.w3c.dom.Element	<u>element</u> (jakarta.xml.bind.JAXBContext input)
java.lang.String	<u>from</u> ()
java.lang.String	<u>messageName</u> ()
java.lang.String	<u>namespace</u> ()
static <u>BusinessAppHdrV04</u>	<u>parse</u> (java.lang.String xml)
static <u>BusinessAppHdrV04</u>	<u>parse</u> (java.lang.String xml, <u>MxReadParams</u> p)
java.lang.String	<u>reference</u> ()
java.lang.String	<u>serviceName</u> ()
void	<u>setCreationDate</u> (boolean overwrite)
java.lang.String	<u>to</u> ()
java.lang.String	<u>xml</u> (<u>MxWriteParams</u> params)
java.lang.String	<u>xml</u> (java.lang.String prefix, boolean includeXMLDeclaration)
java.lang.String	<u>xml</u> (java.lang.String prefix, boolean includeXMLDeclaration, <u>EscapeHandler</u> escapeHandler)

◇ Methods inherited from

class com.prowidesoftware.swift.model.mx.dic.BusinessApplication

addRltd, equals, getBizMsgIdr, getBizPrctgDt, getBizSvc, getCharSet, getCpyDplct, getCreDt, getFr, getMktPrctc, getMsgDefIdr, getPrty, getRltd, getSgntr, getTo, hashCode, isPssblDplct, setBizMsgIdr, setBizPrctgDt, setBizSvc, setCharSet, setCpyDplct, setCreDt, setFr, setMktPrctc, setMsgDefIdr, setPrty, setPssblDplct, setSgntr, setTo, toString

◇ Methods inherited from class java.lang.Object

clone, finalize, getClass, notify, notifyAll, wait, wait, wait

◇ Methods inherited from

interface com.prowidesoftware.swift.model.mx.[AppHdr](#)

[xml](#)

◆ Field Detail

◇ NAMESPACE

```
public static final java.lang.String NAMESPACE
```

See Also:

[Constant Field Values](#)

◆ Constructor Detail

◇ BusinessAppHdrV04

```
public BusinessAppHdrV04()
```

◆ Method Detail

◇ parse

```
public static BusinessAppHdrV04 parse (java.lang.String xml)
```

Parse the header from an XML with optional wrapper and sibling elements that will be ignored. Default adapters are applied, for more options use [parse\(String, MxReadParams\)](#)

Parameters:

xml - the XML content, can contain wrapper elements that will be ignored

Returns:

parsed element or null if cannot be parsed

Throws:

`com.providesoftware.ProvideException` - if severe errors occur during parse

◇ parse

```
public static BusinessAppHdrV04 parse (java.lang.String xml,  
                                       MxReadParams params)
```

Parse the header from an XML with optional wrapper and sibling elements that will be ignored.

Parameters:

xml - the XML content, can contain wrapper elements that will be ignored

params - not null unmarshalling parameters

Returns:

parsed element or null if cannot be parsed

Throws:

`com.providesoftware.ProvideException` - if severe errors occur during parse

◇ from

```
public java.lang.String from()
```

Gets the sender BIC code from these elements in the following order:

1. BusinessApplicationHeaderV04/Fr/FIId/FinInstnId/BICFI

MxBusinessProcess (Provide ISO 20022 API Reference)

2. BusinessApplicationHeaderV04/Fr/OrgId/Id/OrgId/Id/AnyBIC

Specified by:

from in interface AppHdr

Returns:

found BIC or null if not present or cannot be parsed

◇ **to**

```
public java.lang.String to()
```

Gets the receiver BIC code from these elements in the following order:

1. BusinessApplicationHeaderV04/To/FIId/FinInstnId/BICFI

2. BusinessApplicationHeaderV04/To/OrgId/Id/OrgId/Id/AnyBIC

Specified by:

to in interface AppHdr

Returns:

found BIC or null if not present or cannot be parsed

◇ **reference**

```
public java.lang.String reference()
```

Get the message reference.

Specified by:

reference in interface AppHdr

Returns:

the message reference from the header or null if the element is not found

See Also:

```
BusinessApplicationHeaderV04Impl.getBizMsgIdr()
```

◇ **messageName**

```
public java.lang.String messageName()
```

Gets the message name.

Specified by:

messageName in interface AppHdr

Returns:

the message name from the header or null if the element is not found

See Also:

```
BusinessApplicationHeaderV04Impl.getMsgDefIdr()
```

◇ **serviceName**

```
public java.lang.String serviceName()
```

Gets the service name.

Specified by:

serviceName in interface AppHdr

Returns:

the service name from the header or null if the element is not found

See Also:

```
BusinessApplicationHeaderV04Impl.getBizSvc()
```

◇ **duplicate**

```
public boolean duplicate()
```

Description copied from interface: [AppHdr](#)

Gets the duplicate flag from the "PssblDplct" (BAH) or "Dup" (AH) element

Specified by:

[duplicate](#) in interface [AppHdr](#)

Returns:

true if the CpyDplct element is present, false otherwise

See Also:

`BusinessApplicationHeaderV04Impl.getCpyDplct()`

◇ **creationDate**

```
public java.time.OffsetDateTime creationDate()
```

Gets the creation date

Specified by:

[creationDate](#) in interface [AppHdr](#)

Returns:

found date or null if the element is not found

See Also:

`BusinessApplicationHeaderV04Impl.getCreDt()`

◇ **setCreationDate**

```
public void setCreationDate (boolean overwrite)
```

Sets the creation date.

Specified by:

[setCreationDate](#) in interface [AppHdr](#)

Parameters:

overwrite - if true, the creation date will always be set overwriting any previous value;

See Also:

`BusinessApplicationHeaderV04Impl.setCreDt(OffsetDateTime)`

◇ **xml**

```
@Deprecated
@ProvideDeprecated(phase4=SRU2025)
public java.lang.String xml (java.lang.String prefix,
                             boolean includeXMLDeclaration)
```

Deprecated.

use [xml\(MxWriteParams\)](#) instead

Specified by:

[xml](#) in interface [AppHdr](#)

◇ **xml**

```
@Deprecated
@ProvideDeprecated(phase4=SRU2025)
public java.lang.String xml (java.lang.String prefix,
                             boolean includeXMLDeclaration,
```

- [EscapeHandler](#) escapeHandler)

Deprecated.

use [xml \(MxWriteParams\)](#) instead

Specified by:

[xml](#) in interface [AppHdr](#)

◇ xml

```
public java.lang.String xml (MxWriteParams params)
```

Description copied from interface: [AppHdr](#)

Get this header as an XML string.

Specified by:

[xml](#) in interface [AppHdr](#)

Parameters:

params - not null marshalling parameters

Returns:

header serialized into XML string or null in case of unexpected error

◇ element

```
public org.w3c.dom.Element element()
```

Description copied from interface: [AppHdr](#)

Gets the header as an Element object.

Specified by:

[element](#) in interface [AppHdr](#)

◇ element

```
public org.w3c.dom.Element element (jakarta.xml.bind.JAXBContext input)
```

Since:

9.3.5

◇ namespace

```
public java.lang.String namespace()
```

Description copied from interface: [AppHdr](#)

Gets the specific namespace of the header

Specified by:

[namespace](#) in interface [AppHdr](#)

Returns:

NAMESPACE

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)

- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Field](#) |
- [Constr](#) |
- [Method](#)

- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)

JavaScript is disabled on your browser.

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- Class
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- Nested |
- Field |
- [Constr](#) |
- [Method](#)

- Detail:
- Field |
- [Constr](#) |
- [Method](#)

Package [com.providesoftware.swift.model.mx](#)

Method Detail

Class DefaultEscapeHandler

- java.lang.Object
- ♦ com.providesoftware.swift.model.mx.DefaultEscapeHandler
- All Implemented Interfaces:
[EscapeHandler](#)

```
public class DefaultEscapeHandler
    extends java.lang.Object
    implements EscapeHandler
```

Escapes &, <, >, quotes (in attribute) and everything above the US-ASCII code range. Similar to com.sun.xml.bind.marshaller.DumbEscapeHandler or apache.commons.text.StringEscapeUtils#escapeXml

Since:

9.1.7

- ♦ **Constructor Summary**

Constructors

Constructor	Description
<u>DefaultEscapeHandler()</u>	

- ♦ **Method Summary**

All Methods [Instance Methods](#) [Concrete Methods](#)

Modifier and Type	Method	Description
java.lang.String	<u>escape</u> (char[] arr, boolean isAttribute)	

- ♦ **Methods inherited from class java.lang.Object**

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

- ♦ **Constructor Detail**

- ♦ **DefaultEscapeHandler**

```
public DefaultEscapeHandler()
```

- ♦ **Method Detail**

- ♦ **escape**

```
public java.lang.String escape (char[] arr,
                                boolean isAttribute)
```

Specified by:

MxBusinessProcess (Provide ISO 20022 API Reference)

escape in interface EscapeHandler

Parameters:

`arr` - the characters to escape

`isAttribute` - true if it is an attribute value

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:
- Nested |
- Field |
- [Constr](#) |
- [Method](#)

- Detail:
- Field |
- [Constr](#) |
- [Method](#)

JavaScript is disabled on your browser.

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- Nested |
- Field |
- Constr |
- Method

- Detail:
- Field |
- Constr |
- Method

Package [com.prowidesoftware.swift.model.mx](#)

Class DefaultMxMetadataStrategy

- java.lang.Object
- ♦ com.prowidesoftware.swift.model.mx.DefaultMxMetadataStrategy
- All Implemented Interfaces:
com.prowidesoftware.swift.model.MessageMetadataStrategy

```
public class DefaultMxMetadataStrategy
    extends java.lang.Object
    implements com.prowidesoftware.swift.model.MessageMetadataStrategy
```

Default implementation of MX messages metadata extraction.

Since:

9.1.6

- ♦ **Constructor Summary**

Constructors

Constructor

Description

DefaultMxMetadataStrategy()

- ♦ **Method Summary**

All Methods [Instance Methods](#) [Concrete Methods](#)

Modifier and Type

```
java.util.Optional<com.prowidesoftware.swift.model.Money> amount (c
java.util.Optional<java.lang.String> reference
java.util.Optional<java.util.Calendar> tradeDate
java.util.Optional<java.util.Calendar> valueDate
```

♦ **Methods inherited from class java.lang.Object**

```
clone, equals, finalize, getClass, hashCode, notify,
notifyAll, toString, wait, wait, wait
```

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ **Methods inherited from interface com.providesoftware.swift.model.MessageMetadataStrategy**

`identifier, receiver, sender`

- **◇ Constructor Detail**

- ◇ **DefaultMxMetadataStrategy**

```
public DefaultMxMetadataStrategy()
```

- ◇ Method Detail**

- ◇ **reference**

```
public java.util.Optional<java.lang.String> reference (com.providesoftware.swift.model.MessageMetadataStrategy)
```

Specified by:

`reference` in

interface `com.providesoftware.swift.model.MessageMetadataStrategy`

- ◇ **amount**

```
public java.util.Optional<com.providesoftware.swift.model.Money> amount (com.providesoftware.swift.model.MessageMetadataStrategy)
```

Specified by:

`amount` in

interface `com.providesoftware.swift.model.MessageMetadataStrategy`

- ◇ **valueDate**

```
public java.util.Optional<java.util.Calendar> valueDate (com.providesoftware.swift.model.MessageMetadataStrategy)
```

Specified by:

`valueDate` in

interface `com.providesoftware.swift.model.MessageMetadataStrategy`

- ◇ **tradeDate**

```
public java.util.Optional<java.util.Calendar> tradeDate (com.providesoftware.swift.model.MessageMetadataStrategy)
```

Specified by:

`tradeDate` in

interface `com.providesoftware.swift.model.MessageMetadataStrategy`

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:
- Nested |
- Field |
- [Constr](#) |
- [Method](#)

- Detail:
- Field |
- [Constr](#) |
- [Method](#)

JavaScript is disabled on your browser.

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- Class
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Enum Constants](#) |
- Field |
- [Method](#)

- Detail:
- [Enum Constants](#) |
- Field |
- [Method](#)

Package [com.prowidesoftware.swift.model.mx](#)

Enum EnvelopeType

- java.lang.Object
- ♦ java.lang.Enum<[EnvelopeType](#)>
 - ♦ ◇ com.prowidesoftware.swift.model.mx.EnvelopeType
- All Implemented Interfaces:
 - java.io.Serializable, java.lang.Comparable<[EnvelopeType](#)>

```
public enum EnvelopeType
    extends java.lang.Enum<EnvelopeType>
```

Enumeration of the envelope types use when serializing an MX message into an XML.

The envelope is the root structure used to bind an AppHdr and Document into a single XML. This is used in the [MxWriteConfiguration](#) to customize the XML serialization.

Since:

9.5.0

♦ Enum Constant Summary

Enum Constants

Enum Constant	Description
<u>BME_V1</u>	The envelope is an ISO 20022 "BizMsgEnvlp"
<u>BME_V2</u>	The envelope is an ISO 20022 "BizMsgEnvlp"
<u>CUSTOM</u>	The envelope is a custom structure, with default root element "RequestPayload"
<u>SWIFT</u>	The envelope is a SWIFT "Envelope"

♦ Method Summary

All Methods [Static Methods](#) [Instance Methods](#) [Concrete Methods](#)

Modifier and Type	Method	Description
java.lang.String	<u>namespace()</u>	
java.lang.String	<u>prefix()</u>	
java.lang.String	<u>rootElement()</u>	
static <u>EnvelopeType</u>	<u>valueOf</u> (java.lang.String name)	Returns the enum constant of this type with the specified name.
static <u>EnvelopeType</u>[]	<u>values()</u>	Returns an array containing the constants of this enum type, in the order they are

Modifier and Type	Method	Description
-------------------	--------	-------------

declared.

◇ Methods inherited from class java.lang.Enum

`clone, compareTo, equals, finalize, getDeclaringClass, hashCode, name, ordinal, toString, valueOf`

◇ Methods inherited from class java.lang.Object

`getClass, notify, notifyAll, wait, wait, wait`

• ♦ Enum Constant Detail

◇ SWIFT

```
public static final EnvelopeType SWIFT
```

The envelope is a SWIFT "Envelope"

◇ BME_V1

```
public static final EnvelopeType BME_V1
```

The envelope is an ISO 20022 "BizMsgEnvlp"

◇ BME_V2

```
public static final EnvelopeType BME_V2
```

The envelope is an ISO 20022 "BizMsgEnvlp"

◇ CUSTOM

```
public static final EnvelopeType CUSTOM
```

The envelope is a custom structure, with default root element "RequestPayload"

♦ Method Detail

◇ values

```
public static EnvelopeType[] values()
```

Returns an array containing the constants of this enum type, in the order they are declared. This method may be used to iterate over the constants as follows:

```
for (EnvelopeType c : EnvelopeType.values())
    System.out.println(c);
```

Returns:

an array containing the constants of this enum type, in the order they are declared

◇ **valueOf**

```
public static EnvelopeType valueOf (java.lang.String name)
```

Returns the enum constant of this type with the specified name. The string must match *exactly* an identifier used to declare an enum constant in this type. (Extraneous whitespace characters are not permitted.)

Parameters:

name - the name of the enum constant to be returned.

Returns:

the enum constant with the specified name

Throws:

java.lang.IllegalArgumentException - if this enum type has no constant with the specified name

java.lang.NullPointerException - if the argument is null

◇ **rootElement**

```
public java.lang.String rootElement()
```

◇ **namespace**

```
public java.lang.String namespace()
```

◇ **prefix**

```
public java.lang.String prefix()
```

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Enum Constants](#) |
- Field |
- [Method](#)
- Detail:
- [Enum Constants](#) |
- Field |
- [Method](#)

JavaScript is disabled on your browser.
[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- Nested |
- Field |
- Constr |
- [Method](#)
- Detail:
- Field |
- Constr |
- [Method](#)

Package [com.providesoftware.swift.model.mx](#)

Interface EscapeHandler

- All Known Implementing Classes:
[DefaultEscapeHandler](#), [MinimumEscapeHandler](#)

```
public interface EscapeHandler
```

Simple interface used by the XML event writer when serializing the XML element content
Since:

9.1.7

- **◆ Method Summary**

All Methods [Instance Methods](#) [Abstract Methods](#)

Modifier and Type	Method	Description
java.lang.String	escape (char[] arr, boolean isAttribute)	

- **◆ Method Detail**

- ◆ **escape**

```
java.lang.String escape (char[] arr,  
                        boolean isAttribute)
```

Parameters:

arr - the characters to escape

isAttribute - true if it is an attribute value

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:
- Nested |
- Field |
- Constr |
- [Method](#)

- Detail:
- Field |
- Constr |
- [Method](#)

JavaScript is disabled on your browser.

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- Nested |
- Field |
- Constr |
- [Method](#)
- Detail:
- Field |
- Constr |
- [Method](#)

Package [com.prowidesoftware.swift.model.mx](#)

Interface JaxbContextCache

- All Known Implementing Classes:
[JaxbContextCacheImpl](#)

```
public interface JaxbContextCache
```

Cache for JAXBContext instances per message type.

It is used to achieve better performance when marshalling or unmarshalling MX messages.

Since:
9.0

• ♦ Method Summary

All Methods [Instance Methods](#) [Abstract Methods](#)

Modifier and Type	Method	Description
jakarta.xml.bind.JAXBContext	<code>get (java.lang.Class messageClass, java.lang.Class<?>[] classes)</code>	Returns the cached context to marshall or unmarshall a message.

• ♦ Method Detail

◇ get

```
jakarta.xml.bind.JAXBContext get (java.lang.Class messageClass,
                                   java.lang.Class<?>[] classes)
                                   throws jakarta.xml.bind.JAXBException,
                                   java.util.concurrent.ExecutionException
```

Returns the cached context to marshal or unmarshal a message.

Cache implementations should be per message type, so the actual message class name could be used as key.

Regarding the JAXBContext creation, notice the namespace or package cannot be used because all dictionary classes in the model share the same "dic" package.

The classes parameter is used to avoid reflection and improve performance. Can be used when the set of jaxb generated classes for a specific model is known. This is the case for MX messages, where the set of classes is available in the AbstractMX subclass. Thus, when the classes array is received, the context can be created directly with: `JAXBContext.newInstance(classes)`. And the messageClass can be used as key.

When the classes parameter is not available, the context can be created with: `JAXBContext.newInstance(messageClass)`.

Parameters:

messageClass - class of the message to be read or written, cannot be null
 classes - comprehensive list of classes for the context, null or empty to create a context with the messageClass

Returns:

cached context for the message type

Throws:

jakarta.xml.bind.JAXBException
 java.util.concurrent.ExecutionException

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:
- Nested |
- Field |
- Constr |
- Method

- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser.

[Skip navigation links](#)

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help

SRU2024-10.2.7

- All Classes
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- Nested |
- Field |
- Constr |
- Method

- Detail:
- Field |
- Constr |
- Method

Package [com.providesoftware.swift.model.mx](#)

Class JaxbContextCacheImpl

- java.lang.Object
 - ◆ com.providesoftware.swift.model.mx.JaxbContextCacheImpl
- All Implemented Interfaces:
 - JaxbContextCache

```
public class JaxbContextCacheImpl
extends java.lang.Object
implements JaxbContextCache
```

Simple cache based on `ConcurrentHashMap` without eviction. This implementation is aimed to avoid additional third party dependencies. For a more robust solution You can easily implement your own cache with Guava, Ecache, Caffeine or any other cache library. See some code references in the [JaxbContextCache](#) interface.

Since:

9.0

• ♦ Constructor Summary

Constructors

Constructor	Description
-------------	-------------

JaxbContextCacheImpl()	
--	--

♦ Method Summary

All Methods [Instance Methods](#) [Concrete Methods](#)

Modifier and Type	Method	Description
void	clear()	Drops all cached context. Drops the cached context for the specified MX implementation class
jakarta.xml.bind.JAXBContext	clear (java.lang.Class clazz)	Gets a context from the static cache.
jakarta.xml.bind.JAXBContext	get (java.lang.Class messageClass, java.lang.Class<?>[] classes)	
int	size()	

♦ Methods inherited from class java.lang.Object

`clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

• ♦ Constructor Detail

♦ JaxbContextCacheImpl

```
public JaxbContextCacheImpl()
```

◆ Method Detail

◆ **get**

```
public jakarta.xml.bind.JAXBContext get (java.lang.Class messageClass
                                         java.lang.Class<?>[] classes)
                                         throws jakarta.xml.bind.JAXBException
```

Gets a context from the static cache. If the context for the specific message type is not present, a new context is initialized with the given classes or messageClass and stored in the cache.

Specified by:

get in interface JaxbContextCache

Parameters:

messageClass - class of the message to be read or written

classes - comprehensive list of classes for the context, null or empty to create a context with the messageClass

Returns:

the cached or created context for the specific message type

Throws:

jakarta.xml.bind.JAXBException

◆ **clear**

```
public void clear()
```

Drops all cached contexts

◆ **clear**

```
public jakarta.xml.bind.JAXBContext clear (java.lang.Class clazz)
```

Drops the cached context for the specific MX implementation class

Returns:

the remove context, if it was present, or null otherwise

◆ **size**

```
public int size()
```

Returns:

the number of cached contexts

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:
- Nested |
- Field |
- [Constr](#) |
- [Method](#)
- Detail:
- Field |
- [Constr](#) |
- [Method](#)

JavaScript is disabled on your browser.

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- Class
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Enum Constants](#) |
- Field |
- [Method](#)
- Detail:
- [Enum Constants](#) |
- Field |
- [Method](#)

Package [com.prowidesoftware.swift.model.mx](#)

Enum JaxbContextLoader

- java.lang.Object
- ♦ java.lang.Enum<[JaxbContextLoader](#)>
 - ♦ ◇ com.providesoftware.swift.model.mx.JaxbContextLoader
- All Implemented Interfaces:
 - java.io.Serializable, java.lang.Comparable<[JaxbContextLoader](#)>

```
public enum JaxbContextLoader
    extends java.lang.Enum<JaxbContextLoader>
```

Singleton to parameterize the [JaxbContextCache](#) used when marshalling or unmarshalling MX messages.

This class is just a holder for the currently set cache. It is invoked in the static parse and write calls of the MX message model classes.

By default the loader will use no cache at all, creating new contexts for each parse or write call. Jaxb marshalling and unmarshalling is known to be a resource intensive task, so if you need to parse large burst of messages it is highly recommended that you set a proper cache here.

A basic cache implementation is provided in the [JaxbContextCacheImpl](#) class. This implementation uses a simple static Map with no eviction. It is aimed to provide something out-of-the-box without adding additional third party libraries. You can easily inject your own cache implementation based on Guava, Ecache, Caffeine or any other cache implementation of choice. See some code references in the [JaxbContextCache](#) interface.

Since:

9.0

- ♦ **Enum Constant Summary**

Enum Constants

Enum Constant Description

INSTANCE

- ♦ **Method Summary**

All Methods [Static Methods](#) [Instance Methods](#) [Concrete Methods](#)

Modifier and Type	Method
jakarta.xml.bind.JAXBContext	<u>get</u> (AbstractMX mx)
jakarta.xml.bind.JAXBContext	<u>get</u> (java.lang.Class messageClass, java.lang.Class<?>[] classes)
JaxbContextCache	<u>getCacheImpl</u> ()

Modifier and Type	Method
void	<u>setCacheImpl</u> (<u>JaxbContextCache</u> cacheImp
void	<u>setNoCache</u> ()
static <u>JaxbContextLoader</u>	<u>valueOf</u> (java.lang.String name)
static <u>JaxbContextLoader</u> []	<u>values</u> ()

◇ Methods inherited from class java.lang.Enum

clone, compareTo, equals, finalize, getDeclaringClass, hashCode, name, ordinal, toString, valueOf

◇ Methods inherited from class java.lang.Object

getClass, notify, notifyAll, wait, wait, wait

• ◆ Enum Constant Detail

◇ INSTANCE

```
public static final JaxbContextLoader INSTANCE
```

◆ Method Detail

◇ values

```
public static JaxbContextLoader[] values()
```

Returns an array containing the constants of this enum type, in the order they are declared. This method may be used to iterate over the constants as follows:

MxBusinessProcess (Provide ISO 20022 API Reference)

```
for (JaxbContextLoader c : JaxbContextLoader.values())  
    System.out.println(c);
```

Returns:

an array containing the constants of this enum type, in the order they are declared

◇ valueOf

```
public static JaxbContextLoader valueOf (java.lang.String name)
```

Returns the enum constant of this type with the specified name. The string must match *exactly* an identifier used to declare an enum constant in this type. (Extraneous whitespace characters are not permitted.)

Parameters:

name - the name of the enum constant to be returned.

Returns:

the enum constant with the specified name

Throws:

java.lang.IllegalArgumentException - if this enum type has no constant with the specified name

java.lang.NullPointerException - if the argument is null

◇ get

```
public jakarta.xml.bind.JAXBContext get (AbstractMX mx)  
    throws jakarta.xml.bind.JAXBException  
    java.util.concurrent.ExecutionException
```

Gets a context from the static cache. If the context for the specific message type is not present, a new context is initialized with the given classes and stored in the cache.

Parameters:

mx - an MX message instance

Returns:

the cached or created context for the specific message type

Throws:

jakarta.xml.bind.JAXBException

java.util.concurrent.ExecutionException

◇ get

```
public jakarta.xml.bind.JAXBContext get (java.lang.Class messageClass  
    java.lang.Class<?>[] classes)  
    throws jakarta.xml.bind.JAXBException  
    java.util.concurrent.ExecutionException
```

Gets a context from the static cache. If the context for the specific message type is not present, a new context is initialized with the given classes or messageClass.

Parameters:

messageClass - class of the message to be read or written

classes - comprehensive list of classes for the context, null or empty to create a context with the messageClass

Returns:

the cached or created context for the specific message type

Throws:

MxBusinessProcess (Provide ISO 2002 API Reference)

```
jakarta.xml.bind.JAXBException  
java.util.concurrent.ExecutionException
```

◇ **getCacheImpl**

```
public JaxbContextCache getCacheImpl()
```

Currently set cache implementation

Returns:

current cache if none was set

◇ **setCacheImpl**

```
public void setCacheImpl (JaxbContextCache cacheImpl)
```

Sets a new cache implementation

Parameters:

cacheImpl - cache implementation to set

◇ **setNoCache**

```
public void setNoCache()
```

Sets the current cache implementation to null, meaning for all subsequent calls new context will always be created without any caching. This is the default loader state.

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Enum Constants](#) |
- Field |
- [Method](#)

- Detail:
- [Enum Constants](#) |
- Field |
- [Method](#)

JavaScript is disabled on your browser.

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
 - [Nested |](#)
 - [Field |](#)
 - [Constr |](#)
 - [Method](#)
- Detail:
 - [Field |](#)
 - [Constr |](#)
 - [Method](#)

Package [com.providesoftware.swift.model.mx](#)

Class LegacyAppHdr

- java.lang.Object
 - - ◆ com.providesoftware.swift.model.mx.dic.ApplicationHeaderImpl
 - ◆ ◇ com.providesoftware.swift.model.mx.LegacyAppHdr
- All Implemented Interfaces:
 - [AppHdr](#)

```
public class LegacyAppHdr
    extends com.providesoftware.swift.model.mx.dic.ApplicationHeaderImpl
    implements AppHdr
```

Legacy SWIFT application header usually knoww from its namespace: \$ahV10

Since:

9.0.1

◆ Field Summary

Fields

Modifier and Type	Field	Description
static java.lang.String	<u>NAMESPACE</u>	
◆ Fields inherited from		
class com.prowidesoftware.swift.model.mx.dic.ApplicationHeader		
	crDate, dup, from, msgName, msgRef, svcName, to	
◆ Fields inherited from		
interface com.prowidesoftware.swift.model.mx.AppHdr		
	<u>HEADER</u> <u>LOCALNAME</u>	

◆ Constructor Summary

Constructors

Constructor	Description
<u>LegacyAppHdr</u> ()	

◆ Method Summary

All Methods Static Methods Instance Methods Concrete Methods Deprecated Methods

Modifier and Type	Method
java.time.OffsetDateTime	<u>creationDate</u> ()
boolean	<u>duplicate</u> ()
org.w3c.dom.Element	<u>element</u> ()
org.w3c.dom.Element	<u>element</u> (jakarta.xml.bind.JAXBContext input)
java.lang.String	<u>from</u> ()
java.lang.String	<u>messageName</u> ()
java.lang.String	<u>namespace</u> ()
static <u>LegacyAppHdr</u>	<u>parse</u> (java.lang.String xml)
static <u>LegacyAppHdr</u>	<u>parse</u> (java.lang.String xml, <u>MxReadParams</u> p)

•	Modifier and Type	Method
	java.lang.String	<u>reference()</u>
	java.lang.String	<u>serviceName()</u>
	void	<u>setCreationDate</u> (boolean overwrite)
	java.lang.String	<u>to()</u>
	java.lang.String	<u>xml</u> (<u>MxWriteParams</u> params)
	java.lang.String	<u>xml</u> (java.lang.String prefix, boolean includeXMLDeclaration)
	java.lang.String	<u>xml</u> (java.lang.String prefix, boolean includeXMLDeclaration, <u>EscapeHandler</u> escapeHandler)
	◇ Methods inherited from class com.providesoftware.swift.model.mx.dic.ApplicationHeader	
	equals, getCrDate, getDup, getFrom, getMsgName, getMsgRef, getSvcName, getTo, hashCode, setCrDate, setDup, setFrom, setMsgName, setMsgRef, setSvcName, setTo, toString	
	◇ Methods inherited from class java.lang.Object	
	clone, finalize, getClass, notify, notifyAll, wait, wait, wait	
	◇ Methods inherited from interface com.providesoftware.swift.model.mx.AppHdr	
	<u>xml</u>	

• **◆ Field Detail**

 ◇ **NAMESPACE**

 public static final java.lang.String NAMESPACE

 See Also:

[Constant Field Values](#)

◆ Constructor Detail

◇ **LegacyAppHdr**

```
public LegacyAppHdr()
```

◆ **Method Detail**

◇ **parse**

```
public static LegacyAppHdr parse (java.lang.String xml)
```

Parse the header from an XML with optional wrapper and sibling elements that will be ignored.

Default adapters are applied, for more options use [parse\(String, MxReadParams\)](#)

Parameters:

xml - the XML content, can contain wrapper elements that will be ignored

Returns:

parsed element or null if cannot be parsed

Throws:

com.providesoftware.ProvideException - if severe errors occur during parse

◇ **parse**

```
public static LegacyAppHdr parse (java.lang.String xml,  
                                   MxReadParams params)
```

Parse the header from an XML with optional wrapper and sibling elements that will be ignored.

Default adapters are applied, for more options use [parse\(String, MxReadParams\)](#)

Parameters:

xml - the XML content, can contain wrapper elements that will be ignored

params - not null unmarshalling parameters

Returns:

parsed element or null if cannot be parsed

Throws:

com.providesoftware.ProvideException - if severe errors occur during parse

Since:

9.2.6

◇ **from**

```
public java.lang.String from()
```

Gets the sender BIC from ApplicationHeader/From/Type+Id where if Type is BIC the Id is returned as is, otherwise the domain name is parsed to extract the SWIFT BIC

Specified by:

MxBusinessProcess (Provide ISO 20022 API Reference)

from in interface AppHdr

Returns:

found BIC code or null if element is not found

◇ **to**

```
public java.lang.String to()
```

Gets the receiver BIC code from ApplicationHeader/To/Type+Id where if Type is BIC the Id is returned as is, otherwise the domain name is parsed to extract the SWIFT BIC

Specified by:

to in interface AppHdr

Returns:

found BIC or null if not present or cannot be parsed

◇ **reference**

```
public java.lang.String reference()
```

Get the message reference.

Specified by:

reference in interface AppHdr

Returns:

the message reference from the header or null if the element is not found

See Also:

```
ApplicationHeaderImpl.getMsgRef()
```

◇ **messageName**

```
public java.lang.String messageName()
```

Gets the message name.

Specified by:

messageName in interface AppHdr

Returns:

the message name from the header or null if the element is not found

See Also:

```
ApplicationHeaderImpl.getMsgName()
```

◇ **serviceName**

```
public java.lang.String serviceName()
```

Gets the service name.

Specified by:

serviceName in interface AppHdr

Returns:

the service name from the header or null if the element is not found

See Also:

```
ApplicationHeaderImpl.getSvcName()
```

◇ **duplicate**

```
public boolean duplicate()
```

Description copied from interface: [AppHdr](#)

Gets the duplicate flag from the "PssblDplct" (BAH) or "Dup" (AH) element

Specified by:

[duplicate](#) in interface [AppHdr](#)

Returns:

true if the Dup element is present, false otherwise

See Also:

`ApplicationHeaderImpl.getDup()`

◇ **creationDate**

```
public java.time.OffsetDateTime creationDate()
```

Gets the creation date

Specified by:

[creationDate](#) in interface [AppHdr](#)

Returns:

found date or null if the element is not found

See Also:

`ApplicationHeaderImpl.getCrDate()`

◇ **setCreationDate**

```
public void setCreationDate (boolean overwrite)
```

Sets the creation date.

Specified by:

[setCreationDate](#) in interface [AppHdr](#)

Parameters:

overwrite - if true, the creation date will always be set overwriting any previous value;

See Also:

`ApplicationHeaderImpl.setCrDate(OffsetDateTime)`

◇ **xml**

```
@Deprecated
@ProvideDeprecated(phase4=SRU2025)
public java.lang.String xml (java.lang.String prefix,
                             boolean includeXMLDeclaration)
```

Deprecated.

use [xml\(MxWriteParams\)](#) instead

Specified by:

[xml](#) in interface [AppHdr](#)

◇ **xml**

```
@Deprecated
@ProvideDeprecated(phase4=SRU2025)
public java.lang.String xml (java.lang.String prefix,
                             boolean includeXMLDeclaration,
```


[EscapeHandler](#) escapeHandler)

Deprecated.

use [xml \(MxWriteParams\)](#) instead

Specified by:

[xml](#) in interface [AppHdr](#)◇ **xml**

```
public java.lang.String xml (MxWriteParams params)
```

Description copied from interface: [AppHdr](#)

Get this header as an XML string.

Specified by:

[xml](#) in interface [AppHdr](#)

Parameters:

params - not null marshalling parameters

Returns:

header serialized into XML string or null in case of unexpected error

◇ **element**

```
public org.w3c.dom.Element element()
```

Description copied from interface: [AppHdr](#)

Gets the header as an Element object.

Specified by:

[element](#) in interface [AppHdr](#)◇ **element**

```
public org.w3c.dom.Element element (jakarta.xml.bind.JAXBContext input)
```

Since:

9.3.5

◇ **namespace**

```
public java.lang.String namespace()
```

Description copied from interface: [AppHdr](#)

Gets the specific namespace of the header

Specified by:

[namespace](#) in interface [AppHdr](#)

Returns:

NAMESPACE

Since:

9.1.7

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)

- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Field](#) |
- [Constr](#) |
- [Method](#)

- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)

JavaScript is disabled on your browser.

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- Class
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)

- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Field](#) |
- [Constr](#) |
- [Method](#)

- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)

Package [com.prowidesoftware.swift.model.mx](#)

Class MxPacs00400108

- java.lang.Object
- - ◆ com.prowidesoftware.swift.model.AbstractMessage
 - ◆
 - ◇ [com.prowidesoftware.swift.model.mx.AbstractMX](#)
 - ◇ com.prowidesoftware.swift.model.mx.MxPacs00400108
- All Implemented Interfaces:
com.prowidesoftware.JsonSerializable

```
public class MxPacs00400108
    extends AbstractMX
```

Class for pacs.004.001.08 ISO 2022 message.

- - ◆ **Field Summary**

Fields

Modifier and Type	Field
static java.lang.Class[]	classes
static java.lang.String	BUSINESS PRO
static int	FUNCTIONAL
static java.lang.String	NAMESPAC
protected com.prowidesoftware.swift.model.mx.dic.PaymentReturnV08	pmtRtr
static int	VARIANT
static int	VERSION

◆ **Fields inherited from**
class com.prowidesoftware.swift.model.mx.[AbstractMX](#)

[DEFAULT ROOT ELEMENT](#), [DOCUMENT LOCALNAME](#)

- ◆ **Constructor Summary**

Constructors

Constructor	Description
MxPacs00400108 ()	Creates the MX object
MxPacs00400108 (MxSwiftMessage mxSwiftMessage)	parsing the raw content from the parameter MxSwiftMessage
MxPacs00400108 (java.lang.String xml)	Creates the MX object parsing the parameter String with the XML

Constructor	Description content
◆ Method Summary	
All Methods Static Methods Instance Methods Concrete Methods	
Modifier and Type	
boolean	
static MxPacs00400108	
java.lang.String	
java.lang.Class[]	
int	
java.lang.String	
com.prowidesoftware.swift.model.mx.dic.PaymentReturnV08	
int	
int	
int	
static MxPacs00400108	
static MxPacs00400108	

Modifier and Type

static MxPacs00400108

par

MxPacs00400108

setPmtRtr (co

java.lang.String

◇ **Methods inherited from
class com.providesoftware.swift.model.mx.AbstractMX**

document, document, document, element, element, fromJson,
fromJsonV9, fromJsonV9, getAppHdr, getMxId, header,
header, message, message, parse, parse, parse, parse,
setAppHdr, targetNamespace, toJson, toJsonV9, write,
write, xmlSource

◇ **Methods inherited from
class com.providesoftware.swift.model.AbstractMessage**

getMessageStandardType, isMT, isMX

◇ **Methods inherited from class java.lang.Object**

clone, finalize, getClass, notify, notifyAll, wait, wait,
wait

• ♦ Field Detail

◇ **pmtRtr**

protected com.providesoftware.swift.model.mx.dic.PaymentReturnV08 pmtRtr

◇ **BUSINESS_PROCESS**

public static final transient java.lang.String BUSINESS_PROCESS

See Also:

Constant Field Values

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ FUNCTIONALITY

```
public static final transient int FUNCTIONALITY
```

See Also:

[Constant Field Values](#)

◇ VARIANT

```
public static final transient int VARIANT
```

See Also:

[Constant Field Values](#)

◇ VERSION

```
public static final transient int VERSION
```

See Also:

[Constant Field Values](#)

◇ _classes

```
public static final transient java.lang.Class[] _classes
```

◇ NAMESPACE

```
public static final transient java.lang.String NAMESPACE
```

See Also:

[Constant Field Values](#)

◆ Constructor Detail

◇ MxPacs00400108

```
public MxPacs00400108()
```

◇ MxPacs00400108

```
public MxPacs00400108 (java.lang.String xml)
```

Creates the MX object parsing the parameter String with the XML content

◇ MxPacs00400108

```
public MxPacs00400108 (MxSwiftMessage mxSwiftMessage)
```

Creates the MX object parsing the raw content from the parameter MxSwiftMessage

◆ Method Detail

◇ getPmtRtr

```
public com.providesoftware.swift.model.mx.dic.PaymentReturnV08 getPmtRtr()
```

Gets the value of the pmtRtr property.

Returns:

possible object is PaymentReturnV08

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ **setPmtRtr**

```
public MxPacs00400108 setPmtRtr (com.providesoftware.swift.model.mx.d
```

Sets the value of the pmtRtr property.

Parameters:

value - allowed object is PaymentReturnV08

◇ **getBusinessProcess**

```
public java.lang.String getBusinessProcess()
```

Description copied from class: AbstractMX

get the Alphabetic code in four positions (fixed length) identifying the Business Process

Specified by:

getBusinessProcess in class AbstractMX

Returns:

the business process of the implementing class

◇ **getFunctionality**

```
public int getFunctionality()
```

Description copied from class: AbstractMX

Get the code identifying the Message Functionality

Specified by:

getFunctionality in class AbstractMX

Returns:

the set functionality or null if not set

◇ **getVariant**

```
public int getVariant()
```

Description copied from class: AbstractMX

Get the Message variant

Specified by:

getVariant in class AbstractMX

Returns:

the set variant or null if not set

◇ **getVersion**

```
public int getVersion()
```

Description copied from class: AbstractMX

Get the message version

Specified by:

getVersion in class AbstractMX

Returns:

the set version or null if not set

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ parse

```
public static MxPacs00400108 parse (java.lang.String xml)
```

Creates the MX object parsing the raw content from the parameter XML, using default unmarshalling options

◇ parse

```
public static MxPacs00400108 parse (java.lang.String xml,  
                                     MxReadConfiguration conf)
```

Creates the MX object parsing the raw content from the parameter XML, using the provided unmarshalling options

Since:

9.2.6

◇ parse

```
public static MxPacs00400108 parse (java.lang.String xml,  
                                     MxRead parserImpl)
```

Creates the MX object parsing the raw content from the parameter XML with injected read implementation

Parameters:

`parserImpl` - an MX unmarshall implementation

Since:

9.0.1

◇ getNamespace

```
public java.lang.String getNamespace()
```

Description copied from class: [AbstractMX](#)

Get the XML namespace of the message

Specified by:

[getNamespace](#) in class [AbstractMX](#)

◇ getClasses

```
public java.lang.Class[] getClasses()
```

Description copied from class: [AbstractMX](#)

Get the classes associated with this message

Specified by:

[getClasses](#) in class [AbstractMX](#)

◇ fromJson

```
public static final MxPacs00400108 fromJson (java.lang.String json)
```

Creates an MxPacs00400108 messages from its JSON representation.

For generic conversion of JSON into the corresponding MX instance see

[AbstractMX.fromJson\(String\)](#)

Parameters:

MxBusinessProcess (Provide ISO 20022 API Reference)

`json` - a JSON representation of an MxPacs00400108 message

Returns:

a new instance of MxPacs00400108

Since:

7.10.2

◇ **toString**

```
public java.lang.String toString()
```

Overrides:

`toString` in class `java.lang.Object`

◇ **equals**

```
public boolean equals (java.lang.Object that)
```

Overrides:

`equals` in class `java.lang.Object`

◇ **hashCode**

```
public int hashCode()
```

Overrides:

`hashCode` in class `java.lang.Object`

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:
- [Nested |](#)
- [Field |](#)
- [Constr |](#)
- [Method](#)

- Detail:
- [Field |](#)
- [Constr |](#)
- [Method](#)

JavaScript is disabled on your browser.

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- [Nested I](#)
- [Field I](#)
- [Constr I](#)
- [Method](#)
- Detail:
- [Field I](#)
- [Constr I](#)
- [Method](#)

Package [com.providesoftware.swift.model.mx](#)

Class MxPacs00400109

- java.lang.Object
- - ◆ com.providesoftware.swift.model.AbstractMessage
 - ◆
 - ◇ [com.providesoftware.swift.model.mx.AbstractMX](#)
 - ◇ com.providesoftware.swift.model.mx.MxPacs00400109
- All Implemented Interfaces:
`com.providesoftware.JsonSerializable`

```
public class MxPacs00400109
    extends AbstractMX
```

Class for pacs.004.001.09 ISO 20022 message.

♦ **Field Summary**

Fields

Modifier and Type	Field
static java.lang.Class[]	<u>classes</u>
static java.lang.String	<u>BUSINESS PRO</u>
static int	<u>FUNCTIONAL</u>
static java.lang.String	<u>NAMESPAC</u>
protected	
com.prowidesoftware.swift.model.mx.dic.PaymentReturnV09	<u>pmtRtr</u>
static int	<u>VARIANT</u>
static int	<u>VERSION</u>

♦ **Fields inherited from****class com.prowidesoftware.swift.model.mx.AbstractMX**DEFAULT ROOT ELEMENT, DOCUMENT LOCALNAME♦ **Constructor Summary**

Constructors

Constructor	Description
<u>MxPacs00400109 ()</u>	
<u>MxPacs00400109 (MxSwiftMessage mxSwiftMessage)</u>	Creates the MX object parsing the raw content from the parameter MxSwiftMessage
<u>MxPacs00400109 (java.lang.String xml)</u>	Creates the MX object parsing the parameter String with the XML content

♦ **Method Summary**All Methods Static Methods Instance Methods Concrete Methods

Modifier and Type
boolean
static <u>MxPacs00400109</u>
java.lang.String

Modifier and Type

java.lang.Class[]

int

java.lang.String

com.prowidesoftware.swift.model.mx.dic.PaymentReturnV09

int

int

int

static MxPacs00400109

static MxPacs00400109

static MxPacs00400109

par

MxPacs00400109

setPmtRtr (co

java.lang.String

- ◇ **Methods inherited from class com.providesoftware.swift.model.mx.AbstractMX**

document, document, document, element, element, fromJson, fromJsonV9, fromJsonV9, getAppHdr, getMxId, header, header, message, message, parse, parse, parse, parse, setAppHdr, targetNamespace, toJson, toJsonV9, write, write, xmlSource

- ◇ **Methods inherited from class com.providesoftware.swift.model.AbstractMessage**

getMessageStandardType, isMT, isMX

- ◇ **Methods inherited from class java.lang.Object**

clone, finalize, getClass, notify, notifyAll, wait, wait, wait

- ◇ **Field Detail**

- ◇ **pmtRtr**

protected com.providesoftware.swift.model.mx.dic.PaymentReturnV09 pmtRtr

- ◇ **BUSINESS_PROCESS**

public static final transient java.lang.String BUSINESS_PROCESS

See Also:

Constant Field Values

- ◇ **FUNCTIONALITY**

public static final transient int FUNCTIONALITY

See Also:

Constant Field Values

- ◇ **VARIANT**

public static final transient int VARIANT

See Also:

Constant Field Values

- ◇ **VERSION**

public static final transient int VERSION

See Also:

Constant Field Values

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ **_classes**

```
public static final transient java.lang.Class[] _classes
```

◇ **NAMESPACE**

```
public static final transient java.lang.String NAMESPACE
```

See Also:

[Constant Field Values](#)

◆ **Constructor Detail**

◇ **MxPacs00400109**

```
public MxPacs00400109()
```

◇ **MxPacs00400109**

```
public MxPacs00400109 (java.lang.String xml)
```

Creates the MX object parsing the parameter String with the XML content

◇ **MxPacs00400109**

```
public MxPacs00400109 (MxSwiftMessage mxSwiftMessage)
```

Creates the MX object parsing the raw content from the parameter MxSwiftMessage

◆ **Method Detail**

◇ **getPmtRtr**

```
public com.providesoftware.swift.model.mx.dic.PaymentReturnV09 getPmtRtr()
```

Gets the value of the pmtRtr property.

Returns:

possible object is PaymentReturnV09

◇ **setPmtRtr**

```
public MxPacs00400109 setPmtRtr (com.providesoftware.swift.model.mx.dic.PaymentReturnV09 pmtRtr)
```

Sets the value of the pmtRtr property.

Parameters:

value - allowed object is PaymentReturnV09

◇ **getBusinessProcess**

```
public java.lang.String getBusinessProcess()
```

Description copied from class: [AbstractMX](#)

get the Alphabetic code in four positions (fixed length) identifying the Business Process

Specified by:

[getBusinessProcess](#) in class [AbstractMX](#)

Returns:

the business process of the implementing class

◇ **getFunctionality**

```
public int getFunctionality()
```

Description copied from class: [AbstractMX](#)

Get the code identifying the Message Functionality

Specified by:

[getFunctionality](#) in class [AbstractMX](#)

Returns:

the set functionality or null if not set

◇ **getVariant**

```
public int getVariant()
```

Description copied from class: [AbstractMX](#)

Get the Message variant

Specified by:

[getVariant](#) in class [AbstractMX](#)

Returns:

the set variant or null if not set

◇ **getVersion**

```
public int getVersion()
```

Description copied from class: [AbstractMX](#)

Get the message version

Specified by:

[getVersion](#) in class [AbstractMX](#)

Returns:

the set version or null if not set

◇ **parse**

```
public static MxPacs00400109 parse (java.lang.String xml)
```

Creates the MX object parsing the raw content from the parameter XML, using default unmarshalling options

◇ **parse**

```
public static MxPacs00400109 parse (java.lang.String xml,  
                                     MxReadConfiguration conf)
```

Creates the MX object parsing the raw content from the parameter XML, using the provided unmarshalling options

Since:

9.2.6

◇ **parse**

```
public static MxPacs00400109 parse (java.lang.String xml,  
                                     MxRead parserImpl)
```

Creates the MX object parsing the raw content from the parameter XML with injected read implementation

MxBusinessProcess (Provide ISO 20022 API Reference)

Parameters:

parserImpl - an MX unmarshall implementation

Since:

9.0.1

◇ **getNamespace**

```
public java.lang.String getNamespace()
```

Description copied from class: [AbstractMX](#)

Get the XML namespace of the message

Specified by:

[getNamespace](#) in class [AbstractMX](#)

◇ **getClasses**

```
public java.lang.Class[] getClasses()
```

Description copied from class: [AbstractMX](#)

Get the classes associated with this message

Specified by:

[getClasses](#) in class [AbstractMX](#)

◇ **fromJson**

```
public static final MxPacs00400109 fromJson (java.lang.String json)
```

Creates an MxPacs00400109 messages from its JSON representation.

For generic conversion of JSON into the corresponding MX instance see [AbstractMX.fromJson\(String\)](#)

Parameters:

json - a JSON representation of an MxPacs00400109 message

Returns:

a new instance of MxPacs00400109

Since:

7.10.2

◇ **toString**

```
public java.lang.String toString()
```

Overrides:

[toString](#) in class [java.lang.Object](#)

◇ **equals**

```
public boolean equals (java.lang.Object that)
```

Overrides:

[equals](#) in class [java.lang.Object](#)

◇ **hashCode**

```
public int hashCode()
```

Overrides:

MxBusinessProcess (Provide ISO 20022 API Reference)

hashCode in class java.lang.Object

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Field](#) |
- [Constr](#) |
- [Method](#)
- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)

JavaScript is disabled on your browser.

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Field](#) |

Method Detail

- [Constructor](#)
- [Method](#)
- Detail:
- [Field](#)
- [Constructor](#)
- [Method](#)

Package [com.providesoftware.swift.model.mx](#)

Class MxPacs00400110

- java.lang.Object
- - ◆ com.providesoftware.swift.model.AbstractMessage
 - ◆
 - ◇ [com.providesoftware.swift.model.mx.AbstractMX](#)
 - ◇ com.providesoftware.swift.model.mx.MxPacs00400110

- All Implemented Interfaces:

com.providesoftware.JsonSerializable

```
public class MxPacs00400110
    extends AbstractMX
```

Class for pacs.004.001.10 ISO 20022 message.

- - ◆ **Field Summary**

Fields

	Modifier and Type	Field
	static java.lang.Class[]	classes
	static java.lang.String	BUSINESS PRO
	static int	FUNCTIONAL
	static java.lang.String	NAMESPAC
	protected	
	com.providesoftware.swift.model.mx.dic.PaymentReturnV10	pmtRtr
	static int	VARIANT
	static int	VERSION

◆ **Fields inherited from**

class com.providesoftware.swift.model.mx.[AbstractMX](#)

[DEFAULT ROOT ELEMENT](#), [DOCUMENT LOCALNAME](#)

- ◆ **Constructor Summary**

Constructors

Constructor	Description
-------------	-------------

Constructor	Description
<u>MxPacs00400110</u> ()	Creates the MX object parsing the raw content from the parameter MxSwiftMessage
<u>MxPacs00400110</u> (<u>MxSwiftMessage</u> mxSwiftMessage)	Creates the MX object parsing the parameter String with the XML content
<u>MxPacs00400110</u> (java.lang.String xml)	

◆ Method Summary

All Methods [Static Methods](#) [Instance Methods](#) [Concrete Methods](#)

Modifier and Type
boolean
static MxPacs00400110
java.lang.String
java.lang.Class[]
int
java.lang.String
com.providesoftware.swift.model.mx.dic.PaymentReturnV10
int
int
int
static MxPacs00400110

Modifier and Type

static MxPacs00400110

static MxPacs00400110

par

MxPacs00400110

setPmtRtr (co

java.lang.String

◇ Methods inherited from

class com.providesoftware.swift.model.mx.AbstractMX

document, document, document, element, element, fromJson,
fromJsonV9, fromJsonV9, getAppHdr, getMxId, header,
header, message, message, parse, parse, parse, parse,
setAppHdr, targetNamespace, toJson, toJsonV9, write,
write, xmlSource

◇ Methods inherited from

class com.providesoftware.swift.model.AbstractMessage

getMessageStandardType, isMT, isMX

◇ Methods inherited from class **java.lang.Object**

clone, finalize, getClass, notify, notifyAll, wait, wait,
wait

- ◆ **Field Detail**

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ pmtRtr

```
protected com.providesoftware.swift.model.mx.dic.PaymentReturnV10 pmt
```

◇ BUSINESS_PROCESS

```
public static final transient java.lang.String BUSINESS_PROCESS
```

See Also:

[Constant Field Values](#)

◇ FUNCTIONALITY

```
public static final transient int FUNCTIONALITY
```

See Also:

[Constant Field Values](#)

◇ VARIANT

```
public static final transient int VARIANT
```

See Also:

[Constant Field Values](#)

◇ VERSION

```
public static final transient int VERSION
```

See Also:

[Constant Field Values](#)

◇ _classes

```
public static final transient java.lang.Class[] _classes
```

◇ NAMESPACE

```
public static final transient java.lang.String NAMESPACE
```

See Also:

[Constant Field Values](#)

◆ Constructor Detail

◇ MxPacs00400110

```
public MxPacs00400110()
```

◇ MxPacs00400110

```
public MxPacs00400110 (java.lang.String xml)
```

Creates the MX object parsing the parameter String with the XML content

◇ MxPacs00400110

```
public MxPacs00400110 (MxSwiftMessage mxSwiftMessage)
```

Creates the MX object parsing the raw content from the parameter MxSwiftMessage

Method Detail

◇ **getPmtRtr**

```
public com.prowidesoftware.swift.model.mx.dic.PaymentReturnV10 getPmtRtr()
```

Gets the value of the pmtRtr property.

Returns:

possible object is PaymentReturnV10

◇ **setPmtRtr**

```
public MxPacs00400110 setPmtRtr (com.prowidesoftware.swift.model.mx.dic.PaymentReturnV10 value)
```

Sets the value of the pmtRtr property.

Parameters:

value - allowed object is PaymentReturnV10

◇ **getBusinessProcess**

```
public java.lang.String getBusinessProcess()
```

Description copied from class: AbstractMX

get the Alphabetic code in four positions (fixed length) identifying the Business Process

Specified by:

getBusinessProcess in class AbstractMX

Returns:

the business process of the implementing class

◇ **getFunctionality**

```
public int getFunctionality()
```

Description copied from class: AbstractMX

Get the code identifying the Message Functionality

Specified by:

getFunctionality in class AbstractMX

Returns:

the set functionality or null if not set

◇ **getVariant**

```
public int getVariant()
```

Description copied from class: AbstractMX

Get the Message variant

Specified by:

getVariant in class AbstractMX

Returns:

the set variant or null if not set

◇ **getVersion**

```
public int getVersion()
```

Description copied from class: [AbstractMX](#)

Get the message version

Specified by:

[getVersion](#) in class [AbstractMX](#)

Returns:

the set version or null if not set

◇ **parse**

```
public static MxPacs00400110 parse (java.lang.String xml)
```

Creates the MX object parsing the raw content from the parameter XML, using default unmarshalling options

◇ **parse**

```
public static MxPacs00400110 parse (java.lang.String xml,  
                                     MxReadConfiguration conf)
```

Creates the MX object parsing the raw content from the parameter XML, using the provided unmarshalling options

Since:

9.2.6

◇ **parse**

```
public static MxPacs00400110 parse (java.lang.String xml,  
                                     MxRead parserImpl)
```

Creates the MX object parsing the raw content from the parameter XML with injected read implementation

Parameters:

`parserImpl` - an MX unmarshall implementation

Since:

9.0.1

◇ **getNamespace**

```
public java.lang.String getNamespace()
```

Description copied from class: [AbstractMX](#)

Get the XML namespace of the message

Specified by:

[getNamespace](#) in class [AbstractMX](#)

◇ **getClasses**

```
public java.lang.Class[] getClasses()
```

Description copied from class: [AbstractMX](#)

Get the classes associated with this message

Specified by:

[getClasses](#) in class [AbstractMX](#)

MxBusinessProcess (Provide ISO 20022 API Reference)

◆ ◇ fromJson

```
public static final MxPacs00400110 fromJson (java.lang.String json)
```

Creates an MxPacs00400110 messages from its JSON representation.

For generic conversion of JSON into the corresponding MX instance see [AbstractMX.fromJson\(String\)](#)

Parameters:

json - a JSON representation of an MxPacs00400110 message

Returns:

a new instance of MxPacs00400110

Since:

7.10.2

◆ ◇ toString

```
public java.lang.String toString()
```

Overrides:

toString in class java.lang.Object

◆ ◇ equals

```
public boolean equals (java.lang.Object that)
```

Overrides:

equals in class java.lang.Object

◆ ◇ hashCode

```
public int hashCode()
```

Overrides:

hashCode in class java.lang.Object

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:

- [Nested |](#)
- [Field |](#)
- [Constr |](#)
- [Method](#)

- Detail:
- [Field |](#)
- [Constr |](#)
- [Method](#)

JavaScript is disabled on your browser.

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- [Nested |](#)
- [Field |](#)
- [Constr |](#)
- [Method](#)

- Detail:
- [Field |](#)
- [Constr |](#)
- [Method](#)

Package [com.prowidesoftware.swift.model.mx](#)

Class MxPacs00400111

- java.lang.Object
 - [com.prowidesoftware.swift.model.AbstractMessage](#)
 - [com.prowidesoftware.swift.model.mx.AbstractMX](#)
 - com.prowidesoftware.swift.model.mx.MxPacs00400111

- All Implemented Interfaces:

com.providesoftware.JsonSerializable

```
public class MxPacs00400111
extends AbstractMX
```

Class for pacs.004.001.11 ISO 20022 message.

• ♦ Field Summary

Fields

Modifier and Type	Field
static java.lang.Class[]	<u>classes</u>
static java.lang.String	<u>BUSINESS PRO</u>
static int	<u>FUNCTIONAL</u>
static java.lang.String	<u>NAMESPAC</u>
protected com.providesoftware.swift.model.mx.dic.PaymentReturnV11	<u>pmtRtr</u>
static int	<u>VARIANT</u>
static int	<u>VERSION</u>

♦ Fields inherited from
class com.providesoftware.swift.model.mx.AbstractMX

DEFAULT ROOT ELEMENT, DOCUMENT LOCALNAME

♦ Constructor Summary

Constructors

Constructor	Description
<u>MxPacs00400111</u> ()	
<u>MxPacs00400111</u> (<u>MxSwiftMessage</u> mxSwiftMessage)	Creates the MX object parsing the raw content from the parameter MxSwiftMessage
<u>MxPacs00400111</u> (java.lang.String xml)	Creates the MX object parsing the parameter String with the XML content

♦ Method Summary

All Methods Static Methods Instance Methods Concrete Methods

Modifier and Type
boolean
static <u>MxPacs00400111</u>

Modifier and Type

java.lang.String

java.lang.Class[]

int

java.lang.String

com.providesoftware.swift.model.mx.dic.PaymentReturnV11

int

int

int

static MxPacs00400111

static MxPacs00400111

static MxPacs00400111

par

Modifier and Type

MxPacs00400111

setPmtRtr (co

java.lang.String

◇ Methods inherited from class com.providesoftware.swift.model.mx.AbstractMX

document, document, document, element, element, fromJson,
fromJsonV9, fromJsonV9, getAppHdr, getMxId, header,
header, message, message, parse, parse, parse, parse,
setAppHdr, targetNamespace, toJson, toJsonV9, write,
write, xmlSource

◇ Methods inherited from class com.providesoftware.swift.model.AbstractMessage

getMessageStandardType, isMT, isMX

◇ Methods inherited from class java.lang.Object

clone, finalize, getClass, notify, notifyAll, wait, wait,
wait

• ◆ Field Detail

◇ pmtRtr

protected com.providesoftware.swift.model.mx.dic.PaymentReturnV11 pmtRtr

◇ BUSINESS_PROCESS

public static final transient java.lang.String BUSINESS_PROCESS

See Also:

Constant Field Values

◇ FUNCTIONALITY

public static final transient int FUNCTIONALITY

See Also:

Constant Field Values

◇ VARIANT

public static final transient int VARIANT

See Also:

Constant Field Values

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ VERSION

```
public static final transient int VERSION
```

See Also:

[Constant Field Values](#)

◇ _classes

```
public static final transient java.lang.Class[] _classes
```

◇ NAMESPACE

```
public static final transient java.lang.String NAMESPACE
```

See Also:

[Constant Field Values](#)

◆ Constructor Detail

◇ MxPacs00400111

```
public MxPacs00400111()
```

◇ MxPacs00400111

```
public MxPacs00400111 (java.lang.String xml)
```

Creates the MX object parsing the parameter String with the XML content

◇ MxPacs00400111

```
public MxPacs00400111 (MxSwiftMessage mxSwiftMessage)
```

Creates the MX object parsing the raw content from the parameter MxSwiftMessage

◆ Method Detail

◇ getPmtRtr

```
public com.providesoftware.swift.model.mx.dic.PaymentReturnV11 getPmtRtr()
```

Gets the value of the pmtRtr property.

Returns:

possible object is PaymentReturnV11

◇ setPmtRtr

```
public MxPacs00400111 setPmtRtr (com.providesoftware.swift.model.mx.dic.PaymentReturnV11 pmtRtr)
```

Sets the value of the pmtRtr property.

Parameters:

value - allowed object is PaymentReturnV11

◇ getBusinessProcess

```
public java.lang.String getBusinessProcess()
```

Description copied from class: [AbstractMX](#)

MxBusinessProcess (Provide ISO 20022 API Reference)

get the Alphabetic code in four positions (fixed length) identifying the Business Process

Specified by:

getBusinessProcess in class AbstractMX

Returns:

the business process of the implementing class

◇ **getFunctionality**

```
public int getFunctionality()
```

Description copied from class: AbstractMX

Get the code identifying the Message Functionality

Specified by:

getFunctionality in class AbstractMX

Returns:

the set functionality or null if not set

◇ **getVariant**

```
public int getVariant()
```

Description copied from class: AbstractMX

Get the Message variant

Specified by:

getVariant in class AbstractMX

Returns:

the set variant or null if not set

◇ **getVersion**

```
public int getVersion()
```

Description copied from class: AbstractMX

Get the message version

Specified by:

getVersion in class AbstractMX

Returns:

the set version or null if not set

◇ **parse**

```
public static MxPacs00400111 parse (java.lang.String xml)
```

Creates the MX object parsing the raw content from the parameter XML, using default unmarshalling options

◇ **parse**

```
public static MxPacs00400111 parse (java.lang.String xml,  
                                     MxReadConfiguration conf)
```

Creates the MX object parsing the raw content from the parameter XML, using the provided unmarshalling options

Since:

9.2.6

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ **parse**

```
public static MxPacs00400111 parse (java.lang.String xml,  
                                     MxRead parserImpl)
```

Creates the MX object parsing the raw content from the parameter XML with injected read implementation

Parameters:

parserImpl - an MX unmarshall implementation

Since:

9.0.1

◇ **getNamespace**

```
public java.lang.String getNamespace()
```

Description copied from class: AbstractMX

Get the XML namespace of the message

Specified by:

getNamespace in class AbstractMX

◇ **getClasses**

```
public java.lang.Class[] getClasses()
```

Description copied from class: AbstractMX

Get the classes associated with this message

Specified by:

getClasses in class AbstractMX

◇ **fromJson**

```
public static final MxPacs00400111 fromJson (java.lang.String json)
```

Creates an MxPacs00400111 messages from its JSON representation.

For generic conversion of JSON into the corresponding MX instance see [AbstractMX.fromJson\(String\)](#)

Parameters:

json - a JSON representation of an MxPacs00400111 message

Returns:

a new instance of MxPacs00400111

Since:

7.10.2

◇ **toString**

```
public java.lang.String toString()
```

Overrides:

toString in class java.lang.Object

◇ **equals**

```
public boolean equals (java.lang.Object that)
```

Overrides:

equals in class java.lang.Object

◇ **hashCode**

```
public int hashCode()
```

Overrides:

hashCode in class java.lang.Object

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- [Summary](#):
- [Nested I](#)
- [Field I](#)
- [Constr I](#)
- [Method](#)

- [Detail](#):
- [Field I](#)
- [Constr I](#)
- [Method](#)

JavaScript is disabled on your browser.

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Field](#) |
- [Constr](#) |
- [Method](#)
- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)

Package [com.providesoftware.swift.model.mx](#)

Class MxPacs00400112

- java.lang.Object
- - ◆ com.providesoftware.swift.model.AbstractMessage
 - ◆
 - ◇ [com.providesoftware.swift.model.mx.AbstractMX](#)
 - ◇ com.providesoftware.swift.model.mx.MxPacs00400112
- All Implemented Interfaces:
com.providesoftware.JsonSerializable

```
public class MxPacs00400112
    extends AbstractMX
```

Class for pacs.004.001.12 ISO 20022 message.

- - ◆ **Field Summary**

Fields

Modifier and Type		Field
static	java.lang.Class[]	classes
static	java.lang.String	BUSINESS PRO
static	int	FUNCTIONAL
static	java.lang.String	NAMESPAC
protected		
	com.providesoftware.swift.model.mx.dic.PaymentReturnV12	pmtRtr
static	int	VARIANT
static	int	VERSION

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ **Fields inherited from**
class com.providesoftware.swift.model.mx.AbstractMX

DEFAULT_ROOT_ELEMENT, DOCUMENT_LOCALNAME

◆ **Constructor Summary**

Constructors

Constructor	Description
<u>MxPacs00400112</u> ()	
<u>MxPacs00400112</u> (<u>MxSwiftMessage</u> mxSwiftMessage)	Creates the MX object parsing the raw content from the parameter MxSwiftMessage
<u>MxPacs00400112</u> (java.lang.String xml)	Creates the MX object parsing the parameter String with the XML content

◆ **Method Summary**

All Methods Static Methods Instance Methods Concrete Methods

Modifier and Type
boolean
static <u>MxPacs00400112</u>
java.lang.String
java.lang.Class[]
int
java.lang.String
com.providesoftware.swift.model.mx.dic.PaymentReturnV12

Modifier and Type

int

int

int

static MxPacs00400112

static MxPacs00400112

static MxPacs00400112

par

MxPacs00400112

setPmtRtr (c

java.lang.String

◇ **Methods inherited from**
class com.providesoftware.swift.model.mx.AbstractMX

document, document, document, element, element, fromJson,
fromJsonV9, fromJsonV9, getAppHdr, getMxId, header,
header, message, message, parse, parse, parse, parse,
setAppHdr, targetNamespace, toJson, toJsonV9, write,
write, xmlSource

◇ **Methods inherited from**
class com.providesoftware.swift.model.AbstractMessage

getMessageStandardType, isMT, isMX

◇ **Methods inherited from class java.lang.Object**

`clone, finalize, getClass, notify, notifyAll, wait, wait,
wait`

- **◆ Field Detail**

◇ **pmtRtr**

`protected com.prowidesoftware.swift.model.mx.dic.PaymentReturnV12 pmtRtr`

◇ **BUSINESS_PROCESS**

`public static final transient java.lang.String BUSINESS_PROCESS`

See Also:

[Constant Field Values](#)

◇ **FUNCTIONALITY**

`public static final transient int FUNCTIONALITY`

See Also:

[Constant Field Values](#)

◇ **VARIANT**

`public static final transient int VARIANT`

See Also:

[Constant Field Values](#)

◇ **VERSION**

`public static final transient int VERSION`

See Also:

[Constant Field Values](#)

◇ **_classes**

`public static final transient java.lang.Class[] _classes`

◇ **NAMESPACE**

`public static final transient java.lang.String NAMESPACE`

See Also:

[Constant Field Values](#)

◆ **Constructor Detail**

◇ **MxPacs00400112**

`public MxPacs00400112()`

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ **MxPacs00400112**

```
public MxPacs00400112 (java.lang.String xml)
```

Creates the MX object parsing the parameter String with the XML content

◇ **MxPacs00400112**

```
public MxPacs00400112 (MxSwiftMessage mxSwiftMessage)
```

Creates the MX object parsing the raw content from the parameter MxSwiftMessage

◆ **Method Detail**

◇ **getPmtRtr**

```
public com.providesoftware.swift.model.mx.dic.PaymentReturnV12 getPmtRtr()
```

Gets the value of the pmtRtr property.

Returns:

possible object is PaymentReturnV12

◇ **setPmtRtr**

```
public MxPacs00400112 setPmtRtr (com.providesoftware.swift.model.mx.dic.PaymentReturnV12 value)
```

Sets the value of the pmtRtr property.

Parameters:

value - allowed object is PaymentReturnV12

◇ **getBusinessProcess**

```
public java.lang.String getBusinessProcess()
```

Description copied from class: AbstractMX

get the Alphabetic code in four positions (fixed length) identifying the Business Process

Specified by:

getBusinessProcess in class AbstractMX

Returns:

the business process of the implementing class

◇ **getFunctionality**

```
public int getFunctionality()
```

Description copied from class: AbstractMX

Get the code identifying the Message Functionality

Specified by:

getFunctionality in class AbstractMX

Returns:

the set functionality or null if not set

◇ **getVariant**

```
public int getVariant()
```

Description copied from class: AbstractMX

MxBusinessProcess (Provide ISO 20022 API Reference)

Get the Message variant

Specified by:

[getVariant](#) in class [AbstractMX](#)

Returns:

the set variant or null if not set

◇ **getVersion**

```
public int getVersion()
```

Description copied from class: [AbstractMX](#)

Get the message version

Specified by:

[getVersion](#) in class [AbstractMX](#)

Returns:

the set version or null if not set

◇ **parse**

```
public static MxPacs00400112 parse (java.lang.String xml)
```

Creates the MX object parsing the raw content from the parameter XML, using default unmarshalling options

◇ **parse**

```
public static MxPacs00400112 parse (java.lang.String xml,  
                                     MxReadConfiguration conf)
```

Creates the MX object parsing the raw content from the parameter XML, using the provided unmarshalling options

Since:

9.2.6

◇ **parse**

```
public static MxPacs00400112 parse (java.lang.String xml,  
                                     MxRead parserImpl)
```

Creates the MX object parsing the raw content from the parameter XML with injected read implementation

Parameters:

parserImpl - an MX unmarshall implementation

Since:

9.0.1

◇ **getNamespace**

```
public java.lang.String getNamespace()
```

Description copied from class: [AbstractMX](#)

Get the XML namespace of the message

Specified by:

[getNamespace](#) in class [AbstractMX](#)

◇ **getClasses**

```
public java.lang.Class[] getClasses()
```

Description copied from class: [AbstractMX](#)

Get the classes associated with this message

Specified by:

[getClasses](#) in class [AbstractMX](#)

◇ **fromJson**

```
public static final MxPacs00400112 fromJson (java.lang.String json)
```

Creates an MxPacs00400112 messages from its JSON representation.

For generic conversion of JSON into the corresponding MX instance see [AbstractMX.fromJson\(String\)](#)

Parameters:

json - a JSON representation of an MxPacs00400112 message

Returns:

a new instance of MxPacs00400112

Since:

7.10.2

◇ **toString**

```
public java.lang.String toString()
```

Overrides:

toString in class java.lang.Object

◇ **equals**

```
public boolean equals (java.lang.Object that)
```

Overrides:

equals in class java.lang.Object

◇ **hashCode**

```
public int hashCode()
```

Overrides:

hashCode in class java.lang.Object

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Field](#) |
- [Constr](#) |
- [Method](#)

- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)

JavaScript is disabled on your browser.

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- Class
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Field](#) |
- [Constr](#) |
- [Method](#)

- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)

Package [com.prowidesoftware.swift.model.mx](#)

Class MxPacs00400113

- java.lang.Object
- ♦ com.providesoftware.swift.model.AbstractMessage
 - ♦ ◇ com.providesoftware.swift.model.mx.AbstractMX
 - ◇ com.providesoftware.swift.model.mx.MxPacs00400113

- All Implemented Interfaces:

com.providesoftware.JsonSerializable

```
public class MxPacs00400113
    extends AbstractMX
```

Class for pacs.004.001.13 ISO 20022 message.

- ♦ **Field Summary**

Fields

Modifier and Type	Field
static java.lang.Class[]	<u>classes</u>
static java.lang.String	<u>BUSINESS PRO</u>
static int	<u>FUNCTIONAL</u>
static java.lang.String	<u>NAMESPAC</u>
protected com.providesoftware.swift.model.mx.dic.PaymentReturnV13	<u>pmtRtr</u>
static int	<u>VARIANT</u>
static int	<u>VERSION</u>

◇ **Fields inherited from**

class com.providesoftware.swift.model.mx.AbstractMX

DEFAULT ROOT ELEMENT, DOCUMENT LOCALNAME

- ♦ **Constructor Summary**

Constructors

Constructor	Description
<u>MxPacs00400113</u> ()	
<u>MxPacs00400113</u> (<u>MxSwiftMessage</u> mxSwiftMessage)	Creates the MX object parsing the raw content from the parameter MxSwiftMessage
<u>MxPacs00400113</u> (java.lang.String xml)	Creates the MX object parsing the parameter String with the XML content

Method Summary

All Methods [Static Methods](#) [Instance Methods](#) [Concrete Methods](#)

Modifier and Type

boolean

static [MxPacs00400113](#)

java.lang.String

java.lang.Class[]

int

java.lang.String

com.providesoftware.swift.model.mx.dic.PaymentReturnV13

int

int

int

static [MxPacs00400113](#)

static [MxPacs00400113](#)

◆ **Modifier and Type**

static MxPacs00400113

par

MxPacs00400113

setPmtRtr (co

java.lang.String

◆ **Methods inherited from
class com.providesoftware.swift.model.mx.AbstractMX**

document, document, document, element, element, fromJson,
fromJsonV9, fromJsonV9, getAppHdr, getMxId, header,
header, message, message, parse, parse, parse, parse,
setAppHdr, targetNamespace, toJson, toJsonV9, write,
write, xmlSource

◆ **Methods inherited from
class com.providesoftware.swift.model.AbstractMessage**

getMessageStandardType, isMT, isMX

◆ **Methods inherited from class java.lang.Object**

clone, finalize, getClass, notify, notifyAll, wait, wait,
wait

• ◆ **Field Detail**

◆ **pmtRtr**

protected com.providesoftware.swift.model.mx.dic.PaymentReturnV13 pmt

◆ **BUSINESS_PROCESS**

public static final transient java.lang.String BUSINESS_PROCESS

See Also:

Constant Field Values

◆ **FUNCTIONALITY**

public static final transient int FUNCTIONALITY

See Also:

Constant Field Values

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ VARIANT

```
public static final transient int VARIANT
```

See Also:

[Constant Field Values](#)

◇ VERSION

```
public static final transient int VERSION
```

See Also:

[Constant Field Values](#)

◇ _classes

```
public static final transient java.lang.Class[] _classes
```

◇ NAMESPACE

```
public static final transient java.lang.String NAMESPACE
```

See Also:

[Constant Field Values](#)

◆ Constructor Detail

◇ MxPacs00400113

```
public MxPacs00400113()
```

◇ MxPacs00400113

```
public MxPacs00400113 (java.lang.String xml)
```

Creates the MX object parsing the parameter String with the XML content

◇ MxPacs00400113

```
public MxPacs00400113 (MxSwiftMessage mxSwiftMessage)
```

Creates the MX object parsing the raw content from the parameter MxSwiftMessage

◆ Method Detail

◇ getPmtRtr

```
public com.providesoftware.swift.model.mx.dic.PaymentReturnV13 getPmtRtr()
```

Gets the value of the pmtRtr property.

Returns:

possible object is PaymentReturnV13

◇ setPmtRtr

```
public MxPacs00400113 setPmtRtr (com.providesoftware.swift.model.mx.dic.PaymentReturnV13 pmtRtr)
```

Sets the value of the pmtRtr property.

Parameters:

value - allowed object is PaymentReturnV13

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ **getBusinessProcess**

```
public java.lang.String getBusinessProcess()
```

Description copied from class: [AbstractMX](#)

get the Alphabetic code in four positions (fixed length) identifying the Business Process

Specified by:

[getBusinessProcess](#) in class [AbstractMX](#)

Returns:

the business process of the implementing class

◇ **getFunctionality**

```
public int getFunctionality()
```

Description copied from class: [AbstractMX](#)

Get the code identifying the Message Functionality

Specified by:

[getFunctionality](#) in class [AbstractMX](#)

Returns:

the set functionality or null if not set

◇ **getVariant**

```
public int getVariant()
```

Description copied from class: [AbstractMX](#)

Get the Message variant

Specified by:

[getVariant](#) in class [AbstractMX](#)

Returns:

the set variant or null if not set

◇ **getVersion**

```
public int getVersion()
```

Description copied from class: [AbstractMX](#)

Get the message version

Specified by:

[getVersion](#) in class [AbstractMX](#)

Returns:

the set version or null if not set

◇ **parse**

```
public static MxPacs00400113 parse (java.lang.String xml)
```

Creates the MX object parsing the raw content from the parameter XML, using default unmarshalling options

◇ **parse**

```
public static MxPacs00400113 parse (java.lang.String xml,  
                                     MxReadConfiguration conf)
```

MxBusinessProcess (Provide ISO 20022 API Reference)

Creates the MX object parsing the raw content from the parameter XML, using the provided unmarshalling options

Since:

9.2.6

◇ **parse**

```
public static MxPacs00400113 parse (java.lang.String xml,  
                                     MxRead parserImpl)
```

Creates the MX object parsing the raw content from the parameter XML with injected read implementation

Parameters:

parserImpl - an MX unmarshall implementation

Since:

9.0.1

◇ **getNamespace**

```
public java.lang.String getNamespace()
```

Description copied from class: AbstractMX

Get the XML namespace of the message

Specified by:

getNamespace in class AbstractMX

◇ **getClasses**

```
public java.lang.Class[] getClasses()
```

Description copied from class: AbstractMX

Get the classes associated with this message

Specified by:

getClasses in class AbstractMX

◇ **fromJson**

```
public static final MxPacs00400113 fromJson (java.lang.String json)
```

Creates an MxPacs00400113 messages from its JSON representation.

For generic conversion of JSON into the corresponding MX instance see

AbstractMX.fromJson(String)

Parameters:

json - a JSON representation of an MxPacs00400113 message

Returns:

a new instance of MxPacs00400113

Since:

7.10.2

◇ **toString**

```
public java.lang.String toString()
```

Overrides:

toString in class java.lang.Object

◇ **equals**

```
public boolean equals (java.lang.Object that)
```

Overrides:

equals in class java.lang.Object

◇ **hashCode**

```
public int hashCode()
```

Overrides:

hashCode in class java.lang.Object

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- [Summary](#):
- [Nested I](#)
- [Field I](#)
- [Constr I](#)
- [Method](#)

- [Detail](#):
- [Field I](#)
- [Constr I](#)
- [Method](#)

JavaScript is disabled on your browser.

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Field](#) |
- [Constr](#) |
- [Method](#)
- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)

Package [com.providesoftware.swift.model.mx](#)

Class MxPacs00800108

- java.lang.Object
- - ◆ com.providesoftware.swift.model.AbstractMessage
 - ◆
 - ◇ [com.providesoftware.swift.model.mx.AbstractMX](#)
 - ◇
 - com.providesoftware.swift.model.mx.MxPacs00800108

- All Implemented Interfaces:
- com.providesoftware.JsonSerializable

```
public class MxPacs00800108
    extends AbstractMX
```

Class for pacs.008.001.08 ISO 20022 message.

- - ◆ **Field Summary**

Fields

Modifier and Type

```
static java.lang.Class[]
static java.lang.String
protected
com.providesoftware.swift.model.mx.dic.FIToFICustomerCreditTransferV
static int
static java.lang.String
static int
static int
```


MxBusinessProcess (Provide ISO 20022 API Reference)

◇ **Fields inherited from**
class com.providesoftware.swift.model.mx.AbstractMX

DEFAULT_ROOT_ELEMENT, DOCUMENT_LOCALNAME

◆ **Constructor Summary**

Constructors

Constructor	Description
<u>MxPacs00800108</u> ()	
<u>MxPacs00800108</u> (<u>MxSwiftMessage</u> mxSwiftMessage)	Creates the MX object parsing the raw content from the parameter MxSwiftMessage
<u>MxPacs00800108</u> (java.lang.String xml)	Creates the MX object parsing the parameter String with the XML content

◆ **Method Summary**

All Methods Static Methods Instance Methods Concrete Methods

Modifier and Type
boolean
static <u>MxPacs00800108</u>
java.lang.String
java.lang.Class[]
com.providesoftware.swift.model.mx.dic.FIToFICustomerCreditTransferV
int
java.lang.String

Modifier and Type

int

int

int

static MxPacs00800108

static MxPacs00800108

static MxPacs00800108

MxPacs00800108

java.lang.String

◇ **Methods inherited from**
class com.providesoftware.swift.model.mx.AbstractMX

document, document, document, element, element, fromJson,
fromJsonV9, fromJsonV9, getAppHdr, getMxId, header,
header, message, message, parse, parse, parse, parse,
setAppHdr, targetNamespace, toJson, toJsonV9, write,
write, xmlSource

◇ **Methods inherited from**
class com.providesoftware.swift.model.AbstractMessage

getMessageStandardType, isMT, isMX

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ **Methods inherited from class java.lang.Object**

`clone, finalize, getClass, notify, notifyAll, wait, wait,
wait`

- **◆ Field Detail**

◇ **fiToFICstmrCdtTrf**

`protected com.prowidesoftware.swift.model.mx.dic.FIToFICustomerCredit`

◇ **BUSINESS_PROCESS**

`public static final transient java.lang.String BUSINESS_PROCESS`

See Also:

[Constant Field Values](#)

◇ **FUNCTIONALITY**

`public static final transient int FUNCTIONALITY`

See Also:

[Constant Field Values](#)

◇ **VARIANT**

`public static final transient int VARIANT`

See Also:

[Constant Field Values](#)

◇ **VERSION**

`public static final transient int VERSION`

See Also:

[Constant Field Values](#)

◇ **_classes**

`public static final transient java.lang.Class[] _classes`

◇ **NAMESPACE**

`public static final transient java.lang.String NAMESPACE`

See Also:

[Constant Field Values](#)

◆ **Constructor Detail**

◇ **MxPacs00800108**

`public MxPacs00800108()`

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ **MxPacs00800108**

```
public MxPacs00800108 (java.lang.String xml)
```

Creates the MX object parsing the parameter String with the XML content

◇ **MxPacs00800108**

```
public MxPacs00800108 (MxSwiftMessage mxSwiftMessage)
```

Creates the MX object parsing the raw content from the parameter MxSwiftMessage

◆ **Method Detail**

◇ **getFIToFICstmrCdtTrf**

```
public com.providesoftware.swift.model.mx.dic.FIToFICustomerCreditTra
```

Gets the value of the fiToFICstmrCdtTrf property.

Returns:

possible object is FIToFICustomerCreditTransferV08

◇ **setFIToFICstmrCdtTrf**

```
public MxPacs00800108 setFIToFICstmrCdtTrf (com.providesoftware.swift
```

Sets the value of the fiToFICstmrCdtTrf property.

Parameters:

value - allowed object is FIToFICustomerCreditTransferV08

◇ **getBusinessProcess**

```
public java.lang.String getBusinessProcess()
```

Description copied from class: AbstractMX

get the Alphabetic code in four positions (fixed length) identifying the Business Process

Specified by:

getBusinessProcess in class AbstractMX

Returns:

the business process of the implementing class

◇ **getFunctionality**

```
public int getFunctionality()
```

Description copied from class: AbstractMX

Get the code identifying the Message Functionality

Specified by:

getFunctionality in class AbstractMX

Returns:

the set functionality or null if not set

◇ **getVariant**

```
public int getVariant()
```

Description copied from class: AbstractMX

MxBusinessProcess (Provide ISO 20022 API Reference)

Get the Message variant

Specified by:

[getVariant](#) in class [AbstractMX](#)

Returns:

the set variant or null if not set

◇ **getVersion**

```
public int getVersion()
```

Description copied from class: [AbstractMX](#)

Get the message version

Specified by:

[getVersion](#) in class [AbstractMX](#)

Returns:

the set version or null if not set

◇ **parse**

```
public static MxPacs00800108 parse (java.lang.String xml)
```

Creates the MX object parsing the raw content from the parameter XML, using default unmarshalling options

◇ **parse**

```
public static MxPacs00800108 parse (java.lang.String xml,  
                                     MxReadConfiguration conf)
```

Creates the MX object parsing the raw content from the parameter XML, using the provided unmarshalling options

Since:

9.2.6

◇ **parse**

```
public static MxPacs00800108 parse (java.lang.String xml,  
                                     MxRead parserImpl)
```

Creates the MX object parsing the raw content from the parameter XML with injected read implementation

Parameters:

parserImpl - an MX unmarshall implementation

Since:

9.0.1

◇ **getNamespace**

```
public java.lang.String getNamespace()
```

Description copied from class: [AbstractMX](#)

Get the XML namespace of the message

Specified by:

[getNamespace](#) in class [AbstractMX](#)

◇ **getClasses**

```
public java.lang.Class[] getClasses()
```

Description copied from class: [AbstractMX](#)

Get the classes associated with this message

Specified by:

[getClasses](#) in class [AbstractMX](#)

◇ **fromJson**

```
public static final MxPacs00800108 fromJson (java.lang.String json)
```

Creates an MxPacs00800108 messages from its JSON representation.

For generic conversion of JSON into the corresponding MX instance see [AbstractMX.fromJson\(String\)](#)

Parameters:

json - a JSON representation of an MxPacs00800108 message

Returns:

a new instance of MxPacs00800108

Since:

7.10.2

◇ **toString**

```
public java.lang.String toString()
```

Overrides:

toString in class java.lang.Object

◇ **equals**

```
public boolean equals (java.lang.Object that)
```

Overrides:

equals in class java.lang.Object

◇ **hashCode**

```
public int hashCode()
```

Overrides:

hashCode in class java.lang.Object

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Field](#) |
- [Constr](#) |
- [Method](#)

- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)

JavaScript is disabled on your browser.

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- Class
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Field](#) |
- [Constr](#) |
- [Method](#)

- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)

Package [com.prowidesoftware.swift.model.mx](#)

Class MxPacs00800109

- java.lang.Object
- ♦ com.providesoftware.swift.model.AbstractMessage
 - ♦ ◇ com.providesoftware.swift.model.mx.AbstractMX
 - ◇ · com.providesoftware.swift.model.mx.MxPacs00800109

- All Implemented Interfaces:

com.providesoftware.JsonSerializable

```
public class MxPacs00800109
    extends AbstractMX
```

Class for pacs.008.001.09 ISO 20022 message.

- ♦ **Field Summary**

Fields

Modifier and Type

```
static java.lang.Class[]
static java.lang.String
protected
com.providesoftware.swift.model.mx.dic.FIToFICustomerCreditTransferV
static int
static java.lang.String
static int
static int
```

◇ **Fields inherited from**
class com.providesoftware.swift.model.mx.AbstractMX

DEFAULT_ROOT_ELEMENT, DOCUMENT_LOCALNAME

- ♦ **Constructor Summary**

Constructors

Constructor	Description
<u>MxPacs00800109</u> ()	
<u>MxPacs00800109</u> (<u>MxSwiftMessage</u> mxSwiftMessage)	Creates the MX object parsing the raw content from the parameter MxSwiftMessage
<u>MxPacs00800109</u> (java.lang.String xml)	Creates the MX object parsing the parameter String with the XML content

Method Summary

All Methods [Static Methods](#) [Instance Methods](#) [Concrete Methods](#)

Modifier and Type

boolean

static [MxPacs00800109](#)

java.lang.String

java.lang.Class[]

com.providesoftware.swift.model.mx.dic.FIToFICustomerCreditTransferV

int

java.lang.String

int

int

int

static [MxPacs00800109](#)

static [MxPacs00800109](#)



Modifier and Type

static MxPacs00800109

MxPacs00800109

java.lang.String

◆ **Methods inherited from
class com.providesoftware.swift.model.mx.AbstractMX**

document, document, document, element, element, fromJson,
fromJsonV9, fromJsonV9, getAppHdr, getMxId, header,
header, message, message, parse, parse, parse, parse,
setAppHdr, targetNamespace, toJson, toJsonV9, write,
write, xmlSource

◆ **Methods inherited from
class com.providesoftware.swift.model.AbstractMessage**

getMessageStandardType, isMT, isMX

◆ **Methods inherited from class java.lang.Object**

clone, finalize, getClass, notify, notifyAll, wait, wait,
wait

◆ Field Detail

◆ **fiToFICstmrCdtTrf**

protected com.providesoftware.swift.model.mx.dic.FIToFICustomerCredit

◆ **BUSINESS_PROCESS**

public static final transient java.lang.String BUSINESS_PROCESS

See Also:

Constant Field Values

◆ **FUNCTIONALITY**

public static final transient int FUNCTIONALITY

See Also:

Constant Field Values

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ VARIANT

```
public static final transient int VARIANT
```

See Also:

[Constant Field Values](#)

◇ VERSION

```
public static final transient int VERSION
```

See Also:

[Constant Field Values](#)

◇ _classes

```
public static final transient java.lang.Class[] _classes
```

◇ NAMESPACE

```
public static final transient java.lang.String NAMESPACE
```

See Also:

[Constant Field Values](#)

◆ Constructor Detail

◇ MxPacs00800109

```
public MxPacs00800109()
```

◇ MxPacs00800109

```
public MxPacs00800109 (java.lang.String xml)
```

Creates the MX object parsing the parameter String with the XML content

◇ MxPacs00800109

```
public MxPacs00800109 (MxSwiftMessage mxSwiftMessage)
```

Creates the MX object parsing the raw content from the parameter MxSwiftMessage

◆ Method Detail

◇ getFIToFICstmrCdtTrf

```
public com.providesoftware.swift.model.mx.dic.FIToFICustomerCreditTransfer
```

Gets the value of the fiToFICstmrCdtTrf property.

Returns:

possible object is FIToFICustomerCreditTransferV09

◇ setFIToFICstmrCdtTrf

```
public MxPacs00800109 setFIToFICstmrCdtTrf (com.providesoftware.swift
```

Sets the value of the fiToFICstmrCdtTrf property.

Parameters:

value - allowed object is FIToFICustomerCreditTransferV09

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ **getBusinessProcess**

```
public java.lang.String getBusinessProcess()
```

Description copied from class: [AbstractMX](#)

get the Alphabetic code in four positions (fixed length) identifying the Business Process

Specified by:

[getBusinessProcess](#) in class [AbstractMX](#)

Returns:

the business process of the implementing class

◇ **getFunctionality**

```
public int getFunctionality()
```

Description copied from class: [AbstractMX](#)

Get the code identifying the Message Functionality

Specified by:

[getFunctionality](#) in class [AbstractMX](#)

Returns:

the set functionality or null if not set

◇ **getVariant**

```
public int getVariant()
```

Description copied from class: [AbstractMX](#)

Get the Message variant

Specified by:

[getVariant](#) in class [AbstractMX](#)

Returns:

the set variant or null if not set

◇ **getVersion**

```
public int getVersion()
```

Description copied from class: [AbstractMX](#)

Get the message version

Specified by:

[getVersion](#) in class [AbstractMX](#)

Returns:

the set version or null if not set

◇ **parse**

```
public static MxPacs00800109 parse (java.lang.String xml)
```

Creates the MX object parsing the raw content from the parameter XML, using default unmarshalling options

◇ **parse**

```
public static MxPacs00800109 parse (java.lang.String xml,  
                                     MxReadConfiguration conf)
```

MxBusinessProcess (Provide ISO 20022 API Reference)

Creates the MX object parsing the raw content from the parameter XML, using the provided unmarshalling options

Since:

9.2.6

◇ **parse**

```
public static MxPacs00800109 parse (java.lang.String xml,  
                                     MxRead parserImpl)
```

Creates the MX object parsing the raw content from the parameter XML with injected read implementation

Parameters:

parserImpl - an MX unmarshall implementation

Since:

9.0.1

◇ **getNamespace**

```
public java.lang.String getNamespace()
```

Description copied from class: AbstractMX

Get the XML namespace of the message

Specified by:

getNamespace in class AbstractMX

◇ **getClasses**

```
public java.lang.Class[] getClasses()
```

Description copied from class: AbstractMX

Get the classes associated with this message

Specified by:

getClasses in class AbstractMX

◇ **fromJson**

```
public static final MxPacs00800109 fromJson (java.lang.String json)
```

Creates an MxPacs00800109 messages from its JSON representation.

For generic conversion of JSON into the corresponding MX instance see

AbstractMX.fromJson(String)

Parameters:

json - a JSON representation of an MxPacs00800109 message

Returns:

a new instance of MxPacs00800109

Since:

7.10.2

◇ **toString**

```
public java.lang.String toString()
```

Overrides:

toString in class java.lang.Object

◇ **equals**

```
public boolean equals (java.lang.Object that)
```

Overrides:

`equals` in class `java.lang.Object`

◇ **hashCode**

```
public int hashCode()
```

Overrides:

`hashCode` in class `java.lang.Object`

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- [Summary](#):
- [Nested I](#)
- [Field I](#)
- [Constr I](#)
- [Method](#)

- [Detail](#):
- [Field I](#)
- [Constr I](#)
- [Method](#)

JavaScript is disabled on your browser.

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Field](#) |
- [Constr](#) |
- [Method](#)
- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)

Package [com.providesoftware.swift.model.mx](#)

Class MxPacs00800110

- java.lang.Object
- - ◆ com.providesoftware.swift.model.AbstractMessage
 - ◆
 - ◇ [com.providesoftware.swift.model.mx.AbstractMX](#)
 - ◇
 - com.providesoftware.swift.model.mx.MxPacs00800110

- All Implemented Interfaces:
- `com.providesoftware.JsonSerializable`

```
public class MxPacs00800110
    extends AbstractMX
```

Class for pacs.008.001.10 ISO 20022 message.

- ◆ **Field Summary**

Fields

Modifier and Type

```
static java.lang.Class[]
static java.lang.String
protected
com.providesoftware.swift.model.mx.dic.FIToFICustomerCreditTransferV
static int
static java.lang.String
static int
static int
```

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ **Fields inherited from**
class com.providesoftware.swift.model.mx.AbstractMX

DEFAULT_ROOT_ELEMENT, DOCUMENT_LOCALNAME

◆ **Constructor Summary**

Constructors

Constructor	Description
<u>MxPacs00800110</u> ()	
<u>MxPacs00800110</u> (<u>MxSwiftMessage</u> mxSwiftMessage)	Creates the MX object parsing the raw content from the parameter MxSwiftMessage
<u>MxPacs00800110</u> (java.lang.String xml)	Creates the MX object parsing the parameter String with the XML content

◆ **Method Summary**

All Methods Static Methods Instance Methods Concrete Methods

Modifier and Type
boolean
static <u>MxPacs00800110</u>
java.lang.String
java.lang.Class[]
com.providesoftware.swift.model.mx.dic.FIToFICustomerCreditTransferV
int
java.lang.String

Modifier and Type

int

int

int

static MxPacs00800110

static MxPacs00800110

static MxPacs00800110

MxPacs00800110

java.lang.String

◇ **Methods inherited from
class com.providesoftware.swift.model.mx.AbstractMX**

document, document, document, element, element, fromJson,
fromJsonV9, fromJsonV9, getAppHdr, getMxId, header,
header, message, message, parse, parse, parse, parse,
setAppHdr, targetNamespace, toJson, toJsonV9, write,
write, xmlSource

◇ **Methods inherited from
class com.providesoftware.swift.model.AbstractMessage**

getMessageStandardType, isMT, isMX

◇ **Methods inherited from class java.lang.Object**

`clone, finalize, getClass, notify, notifyAll, wait, wait,
wait`

- **◆ Field Detail**

◇ **fiToFICstmrCdtTrf**

`protected com.prowidesoftware.swift.model.mx.dic.FIToFICustomerCredit`

◇ **BUSINESS_PROCESS**

`public static final transient java.lang.String BUSINESS_PROCESS`

See Also:

[Constant Field Values](#)

◇ **FUNCTIONALITY**

`public static final transient int FUNCTIONALITY`

See Also:

[Constant Field Values](#)

◇ **VARIANT**

`public static final transient int VARIANT`

See Also:

[Constant Field Values](#)

◇ **VERSION**

`public static final transient int VERSION`

See Also:

[Constant Field Values](#)

◇ **_classes**

`public static final transient java.lang.Class[] _classes`

◇ **NAMESPACE**

`public static final transient java.lang.String NAMESPACE`

See Also:

[Constant Field Values](#)

◆ **Constructor Detail**

◇ **MxPacs00800110**

`public MxPacs00800110()`

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ **MxPacs00800110**

```
public MxPacs00800110 (java.lang.String xml)
```

Creates the MX object parsing the parameter String with the XML content

◇ **MxPacs00800110**

```
public MxPacs00800110 (MxSwiftMessage mxSwiftMessage)
```

Creates the MX object parsing the raw content from the parameter MxSwiftMessage

◆ **Method Detail**

◇ **getFIToFICstmrCdtTrf**

```
public com.providesoftware.swift.model.mx.dic.FIToFICustomerCreditTra
```

Gets the value of the fiToFICstmrCdtTrf property.

Returns:

possible object is FIToFICustomerCreditTransferV10

◇ **setFIToFICstmrCdtTrf**

```
public MxPacs00800110 setFIToFICstmrCdtTrf (com.providesoftware.swift
```

Sets the value of the fiToFICstmrCdtTrf property.

Parameters:

value - allowed object is FIToFICustomerCreditTransferV10

◇ **getBusinessProcess**

```
public java.lang.String getBusinessProcess()
```

Description copied from class: AbstractMX

get the Alphabetic code in four positions (fixed length) identifying the Business Process

Specified by:

getBusinessProcess in class AbstractMX

Returns:

the business process of the implementing class

◇ **getFunctionality**

```
public int getFunctionality()
```

Description copied from class: AbstractMX

Get the code identifying the Message Functionality

Specified by:

getFunctionality in class AbstractMX

Returns:

the set functionality or null if not set

◇ **getVariant**

```
public int getVariant()
```

Description copied from class: AbstractMX

MxBusinessProcess (Provide ISO 20022 API Reference)

Get the Message variant

Specified by:

[getVariant](#) in class [AbstractMX](#)

Returns:

the set variant or null if not set

◇ **getVersion**

```
public int getVersion()
```

Description copied from class: [AbstractMX](#)

Get the message version

Specified by:

[getVersion](#) in class [AbstractMX](#)

Returns:

the set version or null if not set

◇ **parse**

```
public static MxPacs00800110 parse (java.lang.String xml)
```

Creates the MX object parsing the raw content from the parameter XML, using default unmarshalling options

◇ **parse**

```
public static MxPacs00800110 parse (java.lang.String xml,  
                                     MxReadConfiguration conf)
```

Creates the MX object parsing the raw content from the parameter XML, using the provided unmarshalling options

Since:

9.2.6

◇ **parse**

```
public static MxPacs00800110 parse (java.lang.String xml,  
                                     MxRead parserImpl)
```

Creates the MX object parsing the raw content from the parameter XML with injected read implementation

Parameters:

parserImpl - an MX unmarshall implementation

Since:

9.0.1

◇ **getNamespace**

```
public java.lang.String getNamespace()
```

Description copied from class: [AbstractMX](#)

Get the XML namespace of the message

Specified by:

[getNamespace](#) in class [AbstractMX](#)

◇ **getClasses**

```
public java.lang.Class[] getClasses()
```

Description copied from class: [AbstractMX](#)

Get the classes associated with this message

Specified by:

[getClasses](#) in class [AbstractMX](#)

◇ **fromJson**

```
public static final MxPacs00800110 fromJson (java.lang.String json)
```

Creates an MxPacs00800110 messages from its JSON representation.

For generic conversion of JSON into the corresponding MX instance see [AbstractMX.fromJson\(String\)](#)

Parameters:

json - a JSON representation of an MxPacs00800110 message

Returns:

a new instance of MxPacs00800110

Since:

7.10.2

◇ **toString**

```
public java.lang.String toString()
```

Overrides:

[toString](#) in class [java.lang.Object](#)

◇ **equals**

```
public boolean equals (java.lang.Object that)
```

Overrides:

[equals](#) in class [java.lang.Object](#)

◇ **hashCode**

```
public int hashCode()
```

Overrides:

[hashCode](#) in class [java.lang.Object](#)

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Field](#) |
- [Constr](#) |
- [Method](#)

- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)

JavaScript is disabled on your browser.

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- Class
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Field](#) |
- [Constr](#) |
- [Method](#)

- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)

Package [com.prowidesoftware.swift.model.mx](#)

Class MxPacs00800111

- java.lang.Object
- ♦ com.providesoftware.swift.model.AbstractMessage
 - ♦ ◇ com.providesoftware.swift.model.mx.AbstractMX
 - ◇ · com.providesoftware.swift.model.mx.MxPacs00800111

- All Implemented Interfaces:

com.providesoftware.JsonSerializable

```
public class MxPacs00800111
    extends AbstractMX
```

Class for pacs.008.001.11 ISO 20022 message.

♦ Field Summary

Fields

Modifier and Type

```
static java.lang.Class[]
static java.lang.String
protected
com.providesoftware.swift.model.mx.dic.FIToFICustomerCreditTransferV
static int
static java.lang.String
static int
static int
static int
```

◇ Fields inherited from

class com.providesoftware.swift.model.mx.AbstractMX

DEFAULT_ROOT_ELEMENT, DOCUMENT_LOCALNAME

♦ Constructor Summary

Constructors

Constructor	Description
<u>MxPacs00800111</u> ()	
<u>MxPacs00800111</u> (<u>MxSwiftMessage</u> mxSwiftMessage)	Creates the MX object parsing the raw content from the parameter MxSwiftMessage
<u>MxPacs00800111</u> (java.lang.String xml)	Creates the MX object parsing the parameter String with the XML content

Method Summary

All Methods [Static Methods](#) [Instance Methods](#) [Concrete Methods](#)

Modifier and Type

boolean

static [MxPacs00800111](#)

java.lang.String

java.lang.Class[]

com.providesoftware.swift.model.mx.dic.FIToFICustomerCreditTransferV

int

java.lang.String

int

int

int

static [MxPacs00800111](#)

static [MxPacs00800111](#)



Modifier and Type

static MxPacs00800111

MxPacs00800111

java.lang.String

◆ **Methods inherited from
class com.providesoftware.swift.model.mx.AbstractMX**

document, document, document, element, element, fromJson,
fromJsonV9, fromJsonV9, getAppHdr, getMxId, header,
header, message, message, parse, parse, parse, parse,
setAppHdr, targetNamespace, toJson, toJsonV9, write,
write, xmlSource

◆ **Methods inherited from
class com.providesoftware.swift.model.AbstractMessage**

getMessageStandardType, isMT, isMX

◆ **Methods inherited from class java.lang.Object**

clone, finalize, getClass, notify, notifyAll, wait, wait,
wait

◆ Field Detail

◆ **fiToFICstmrCdtTrf**

protected com.providesoftware.swift.model.mx.dic.FIToFICustomerCredit

◆ **BUSINESS_PROCESS**

public static final transient java.lang.String BUSINESS_PROCESS

See Also:

Constant Field Values

◆ **FUNCTIONALITY**

public static final transient int FUNCTIONALITY

See Also:

Constant Field Values

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ VARIANT

```
public static final transient int VARIANT
```

See Also:

[Constant Field Values](#)

◇ VERSION

```
public static final transient int VERSION
```

See Also:

[Constant Field Values](#)

◇ _classes

```
public static final transient java.lang.Class[] _classes
```

◇ NAMESPACE

```
public static final transient java.lang.String NAMESPACE
```

See Also:

[Constant Field Values](#)

◆ Constructor Detail

◇ MxPacs00800111

```
public MxPacs00800111()
```

◇ MxPacs00800111

```
public MxPacs00800111 (java.lang.String xml)
```

Creates the MX object parsing the parameter String with the XML content

◇ MxPacs00800111

```
public MxPacs00800111 (MxSwiftMessage mxSwiftMessage)
```

Creates the MX object parsing the raw content from the parameter MxSwiftMessage

◆ Method Detail

◇ getFIToFICstmrCdtTrf

```
public com.providesoftware.swift.model.mx.dic.FIToFICustomerCreditTrf
```

Gets the value of the fiToFICstmrCdtTrf property.

Returns:

possible object is FIToFICustomerCreditTransferV11

◇ setFIToFICstmrCdtTrf

```
public MxPacs00800111 setFIToFICstmrCdtTrf (com.providesoftware.swift
```

Sets the value of the fiToFICstmrCdtTrf property.

Parameters:

value - allowed object is FIToFICustomerCreditTransferV11

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ **getBusinessProcess**

```
public java.lang.String getBusinessProcess()
```

Description copied from class: [AbstractMX](#)

get the Alphabetic code in four positions (fixed length) identifying the Business Process

Specified by:

[getBusinessProcess](#) in class [AbstractMX](#)

Returns:

the business process of the implementing class

◇ **getFunctionality**

```
public int getFunctionality()
```

Description copied from class: [AbstractMX](#)

Get the code identifying the Message Functionality

Specified by:

[getFunctionality](#) in class [AbstractMX](#)

Returns:

the set functionality or null if not set

◇ **getVariant**

```
public int getVariant()
```

Description copied from class: [AbstractMX](#)

Get the Message variant

Specified by:

[getVariant](#) in class [AbstractMX](#)

Returns:

the set variant or null if not set

◇ **getVersion**

```
public int getVersion()
```

Description copied from class: [AbstractMX](#)

Get the message version

Specified by:

[getVersion](#) in class [AbstractMX](#)

Returns:

the set version or null if not set

◇ **parse**

```
public static MxPacs00800111 parse (java.lang.String xml)
```

Creates the MX object parsing the raw content from the parameter XML, using default unmarshalling options

◇ **parse**

```
public static MxPacs00800111 parse (java.lang.String xml,  
                                     MxReadConfiguration conf)
```

MxBusinessProcess (Provide ISO 20022 API Reference)

Creates the MX object parsing the raw content from the parameter XML, using the provided unmarshalling options

Since:

9.2.6

◇ **parse**

```
public static MxPacs00800111 parse (java.lang.String xml,  
                                     MxRead parserImpl)
```

Creates the MX object parsing the raw content from the parameter XML with injected read implementation

Parameters:

parserImpl - an MX unmarshall implementation

Since:

9.0.1

◇ **getNamespace**

```
public java.lang.String getNamespace()
```

Description copied from class: AbstractMX

Get the XML namespace of the message

Specified by:

getNamespace in class AbstractMX

◇ **getClasses**

```
public java.lang.Class[] getClasses()
```

Description copied from class: AbstractMX

Get the classes associated with this message

Specified by:

getClasses in class AbstractMX

◇ **fromJson**

```
public static final MxPacs00800111 fromJson (java.lang.String json)
```

Creates an MxPacs00800111 messages from its JSON representation.

For generic conversion of JSON into the corresponding MX instance see

AbstractMX.fromJson(String)

Parameters:

json - a JSON representation of an MxPacs00800111 message

Returns:

a new instance of MxPacs00800111

Since:

7.10.2

◇ **toString**

```
public java.lang.String toString()
```

Overrides:

toString in class java.lang.Object

◇ **equals**

```
public boolean equals (java.lang.Object that)
```

Overrides:

equals in class java.lang.Object

◇ **hashCode**

```
public int hashCode()
```

Overrides:

hashCode in class java.lang.Object

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- [Summary:](#)
- [Nested |](#)
- [Field |](#)
- [Constr |](#)
- [Method](#)

- [Detail:](#)
- [Field |](#)
- [Constr |](#)
- [Method](#)

JavaScript is disabled on your browser.

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Field](#) |
- [Constr](#) |
- [Method](#)
- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)

Package [com.providesoftware.swift.model.mx](#)

Class MxPacs00800112

- java.lang.Object
- - ◆ com.providesoftware.swift.model.AbstractMessage
 - ◆
 - ◇ [com.providesoftware.swift.model.mx.AbstractMX](#)
 - ◇
 - com.providesoftware.swift.model.mx.MxPacs00800112

- All Implemented Interfaces:
- `com.providesoftware.JsonSerializable`

```
public class MxPacs00800112
    extends AbstractMX
```

Class for pacs.008.001.12 ISO 20022 message.

- - ◆ **Field Summary**

Fields

Modifier and Type

```
static java.lang.Class[]
static java.lang.String
protected
com.providesoftware.swift.model.mx.dic.FIToFICustomerCreditTransferV
static int
static java.lang.String
static int
static int
```

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ **Fields inherited from**
class com.prowidesoftware.swift.model.mx.AbstractMX

DEFAULT_ROOT_ELEMENT, DOCUMENT_LOCALNAME

◆ **Constructor Summary**

Constructors

Constructor	Description
<u>MxPacs00800112</u> ()	
<u>MxPacs00800112</u> (<u>MxSwiftMessage</u> mxSwiftMessage)	Creates the MX object parsing the raw content from the parameter MxSwiftMessage
<u>MxPacs00800112</u> (java.lang.String xml)	Creates the MX object parsing the parameter String with the XML content

◆ **Method Summary**

All Methods Static Methods Instance Methods Concrete Methods

Modifier and Type
boolean
static <u>MxPacs00800112</u>
java.lang.String
java.lang.Class[]
com.prowidesoftware.swift.model.mx.dic.FIToFICustomerCreditTransferV
int
java.lang.String

Modifier and Type

int

int

int

static MxPacs00800112

static MxPacs00800112

static MxPacs00800112

MxPacs00800112

java.lang.String

◇ **Methods inherited from
class com.providesoftware.swift.model.mx.AbstractMX**

document, document, document, element, element, fromJson,
fromJsonV9, fromJsonV9, getAppHdr, getMxId, header,
header, message, message, parse, parse, parse, parse,
setAppHdr, targetNamespace, toJson, toJsonV9, write,
write, xmlSource

◇ **Methods inherited from
class com.providesoftware.swift.model.AbstractMessage**

getMessageStandardType, isMT, isMX

◇ **Methods inherited from class java.lang.Object**

`clone, finalize, getClass, notify, notifyAll, wait, wait,
wait`

- **◆ Field Detail**

◇ **fiToFICstmrCdtTrf**

`protected com.prowidesoftware.swift.model.mx.dic.FIToFICustomerCredit`

◇ **BUSINESS_PROCESS**

`public static final transient java.lang.String BUSINESS_PROCESS`

See Also:

[Constant Field Values](#)

◇ **FUNCTIONALITY**

`public static final transient int FUNCTIONALITY`

See Also:

[Constant Field Values](#)

◇ **VARIANT**

`public static final transient int VARIANT`

See Also:

[Constant Field Values](#)

◇ **VERSION**

`public static final transient int VERSION`

See Also:

[Constant Field Values](#)

◇ **_classes**

`public static final transient java.lang.Class[] _classes`

◇ **NAMESPACE**

`public static final transient java.lang.String NAMESPACE`

See Also:

[Constant Field Values](#)

◆ **Constructor Detail**

◇ **MxPacs00800112**

`public MxPacs00800112()`

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ **MxPacs00800112**

```
public MxPacs00800112 (java.lang.String xml)
```

Creates the MX object parsing the parameter String with the XML content

◇ **MxPacs00800112**

```
public MxPacs00800112 (MxSwiftMessage mxSwiftMessage)
```

Creates the MX object parsing the raw content from the parameter MxSwiftMessage

◆ **Method Detail**

◇ **getFIToFICstmrCdtTrf**

```
public com.providesoftware.swift.model.mx.dic.FIToFICustomerCreditTra
```

Gets the value of the fiToFICstmrCdtTrf property.

Returns:

possible object is FIToFICustomerCreditTransferV12

◇ **setFIToFICstmrCdtTrf**

```
public MxPacs00800112 setFIToFICstmrCdtTrf (com.providesoftware.swift
```

Sets the value of the fiToFICstmrCdtTrf property.

Parameters:

value - allowed object is FIToFICustomerCreditTransferV12

◇ **getBusinessProcess**

```
public java.lang.String getBusinessProcess()
```

Description copied from class: AbstractMX

get the Alphabetic code in four positions (fixed length) identifying the Business Process

Specified by:

getBusinessProcess in class AbstractMX

Returns:

the business process of the implementing class

◇ **getFunctionality**

```
public int getFunctionality()
```

Description copied from class: AbstractMX

Get the code identifying the Message Functionality

Specified by:

getFunctionality in class AbstractMX

Returns:

the set functionality or null if not set

◇ **getVariant**

```
public int getVariant()
```

Description copied from class: AbstractMX

MxBusinessProcess (Provide ISO 20022 API Reference)

Get the Message variant

Specified by:

[getVariant](#) in class [AbstractMX](#)

Returns:

the set variant or null if not set

◇ **getVersion**

```
public int getVersion()
```

Description copied from class: [AbstractMX](#)

Get the message version

Specified by:

[getVersion](#) in class [AbstractMX](#)

Returns:

the set version or null if not set

◇ **parse**

```
public static MxPacs00800112 parse (java.lang.String xml)
```

Creates the MX object parsing the raw content from the parameter XML, using default unmarshalling options

◇ **parse**

```
public static MxPacs00800112 parse (java.lang.String xml,  
                                     MxReadConfiguration conf)
```

Creates the MX object parsing the raw content from the parameter XML, using the provided unmarshalling options

Since:

9.2.6

◇ **parse**

```
public static MxPacs00800112 parse (java.lang.String xml,  
                                     MxRead parserImpl)
```

Creates the MX object parsing the raw content from the parameter XML with injected read implementation

Parameters:

parserImpl - an MX unmarshall implementation

Since:

9.0.1

◇ **getNamespace**

```
public java.lang.String getNamespace()
```

Description copied from class: [AbstractMX](#)

Get the XML namespace of the message

Specified by:

[getNamespace](#) in class [AbstractMX](#)

◇ **getClasses**

```
public java.lang.Class[] getClasses()
```

Description copied from class: [AbstractMX](#)

Get the classes associated with this message

Specified by:

[getClasses](#) in class [AbstractMX](#)

◇ **fromJson**

```
public static final MxPacs00800112 fromJson (java.lang.String json)
```

Creates an MxPacs00800112 messages from its JSON representation.

For generic conversion of JSON into the corresponding MX instance see [AbstractMX.fromJson\(String\)](#)

Parameters:

json - a JSON representation of an MxPacs00800112 message

Returns:

a new instance of MxPacs00800112

Since:

7.10.2

◇ **toString**

```
public java.lang.String toString()
```

Overrides:

[toString](#) in class [java.lang.Object](#)

◇ **equals**

```
public boolean equals (java.lang.Object that)
```

Overrides:

[equals](#) in class [java.lang.Object](#)

◇ **hashCode**

```
public int hashCode()
```

Overrides:

[hashCode](#) in class [java.lang.Object](#)

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Field](#) |
- [Constr](#) |
- [Method](#)

- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)

JavaScript is disabled on your browser.

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- Class
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Field](#) |
- [Constr](#) |
- [Method](#)

- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)

Package [com.prowidesoftware.swift.model.mx](#)

Class MxPacs00900108

- java.lang.Object
- ♦ com.providesoftware.swift.model.AbstractMessage
 - ♦ ◇ com.providesoftware.swift.model.mx.AbstractMX
 - ◇ · com.providesoftware.swift.model.mx.MxPacs00900108

- All Implemented Interfaces:

com.providesoftware.JsonSerializable

```
public class MxPacs00900108
    extends AbstractMX
```

Class for pacs.009.001.08 ISO 20022 message.

- ♦ **Field Summary**

Fields

Modifier and Type

```
static java.lang.Class[]
static java.lang.String
protected
com.providesoftware.swift.model.mx.dic.FinancialInstitutionCreditTra
static int
static java.lang.String
static int
static int
```

◇ **Fields inherited from**

class com.providesoftware.swift.model.mx.AbstractMX

DEFAULT_ROOT_ELEMENT, DOCUMENT_LOCALNAME

- ♦ **Constructor Summary**

Constructors

Constructor	Description
<u>MxPacs00900108</u> ()	
<u>MxPacs00900108</u> (<u>MxSwiftMessage</u> mxSwiftMessage)	Creates the MX object parsing the raw content from the parameter MxSwiftMessage
<u>MxPacs00900108</u> (java.lang.String xml)	Creates the MX object parsing the parameter String with the XML content

Method Summary

All Methods [Static Methods](#) [Instance Methods](#) [Concrete Methods](#)

Modifier and Type

boolean

static [MxPacs00900108](#)

java.lang.String

java.lang.Class[]

com.providesoftware.swift.model.mx.dic.FinancialInstitutionCreditTra

int

java.lang.String

int

int

int

static [MxPacs00900108](#)

static [MxPacs00900108](#)



Modifier and Type

static MxPacs00900108

MxPacs00900108

java.lang.String

◆ Methods inherited from class com.providesoftware.swift.model.mx.AbstractMX

document, document, document, element, element, fromJson, fromJsonV9, fromJsonV9, getAppHdr, getMxId, header, header, message, message, parse, parse, parse, parse, setAppHdr, targetNamespace, toJson, toJsonV9, write, write, xmlSource

◆ Methods inherited from class com.providesoftware.swift.model.AbstractMessage

getMessageStandardType, isMT, isMX

◆ Methods inherited from class java.lang.Object

clone, finalize, getClass, notify, notifyAll, wait, wait, wait

◆ Field Detail

◆ fiCdtTrf

protected com.providesoftware.swift.model.mx.dic.FinancialInstitution

◆ BUSINESS_PROCESS

public static final transient java.lang.String BUSINESS_PROCESS

See Also:

Constant Field Values

◆ FUNCTIONALITY

public static final transient int FUNCTIONALITY

See Also:

Constant Field Values

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ **VARIANT**

```
public static final transient int VARIANT
```

See Also:

[Constant Field Values](#)

◇ **VERSION**

```
public static final transient int VERSION
```

See Also:

[Constant Field Values](#)

◇ **_classes**

```
public static final transient java.lang.Class[] _classes
```

◇ **NAMESPACE**

```
public static final transient java.lang.String NAMESPACE
```

See Also:

[Constant Field Values](#)

◆ **Constructor Detail**

◇ **MxPacs00900108**

```
public MxPacs00900108()
```

◇ **MxPacs00900108**

```
public MxPacs00900108 (java.lang.String xml)
```

Creates the MX object parsing the parameter String with the XML content

◇ **MxPacs00900108**

```
public MxPacs00900108 (MxSwiftMessage mxSwiftMessage)
```

Creates the MX object parsing the raw content from the parameter MxSwiftMessage

◆ **Method Detail**

◇ **getFICdtTrf**

```
public com.providesoftware.swift.model.mx.dic.FinancialInstitutionCre
```

Gets the value of the fiCdtTrf property.

Returns:

possible object is FinancialInstitutionCreditTransferV08

◇ **setFICdtTrf**

```
public MxPacs00900108 setFICdtTrf (com.providesoftware.swift.model.mx
```

Sets the value of the fiCdtTrf property.

Parameters:

MxBusinessProcess (Provide ISO 20022 API Reference)

value - allowed object is

FinancialInstitutionCreditTransferV08

◇ **getBusinessProcess**

```
public java.lang.String getBusinessProcess()
```

Description copied from class: [AbstractMX](#)

get the Alphabetic code in four positions (fixed length) identifying the Business Process

Specified by:

[getBusinessProcess](#) in class [AbstractMX](#)

Returns:

the business process of the implementing class

◇ **getFunctionality**

```
public int getFunctionality()
```

Description copied from class: [AbstractMX](#)

Get the code identifying the Message Functionality

Specified by:

[getFunctionality](#) in class [AbstractMX](#)

Returns:

the set functionality or null if not set

◇ **getVariant**

```
public int getVariant()
```

Description copied from class: [AbstractMX](#)

Get the Message variant

Specified by:

[getVariant](#) in class [AbstractMX](#)

Returns:

the set variant or null if not set

◇ **getVersion**

```
public int getVersion()
```

Description copied from class: [AbstractMX](#)

Get the message version

Specified by:

[getVersion](#) in class [AbstractMX](#)

Returns:

the set version or null if not set

◇ **parse**

```
public static MxPacs00900108 parse (java.lang.String xml)
```

Creates the MX object parsing the raw content from the parameter XML, using default unmarshalling options

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ **parse**

```
public static MxPacs00900108 parse (java.lang.String xml,  
                                     MxReadConfiguration conf)
```

Creates the MX object parsing the raw content from the parameter XML, using the provided unmarshalling options

Since:

9.2.6

◇ **parse**

```
public static MxPacs00900108 parse (java.lang.String xml,  
                                     MxRead parserImpl)
```

Creates the MX object parsing the raw content from the parameter XML with injected read implementation

Parameters:

parserImpl - an MX unmarshall implementation

Since:

9.0.1

◇ **getNamespace**

```
public java.lang.String getNamespace()
```

Description copied from class: [AbstractMX](#)

Get the XML namespace of the message

Specified by:

[getNamespace](#) in class [AbstractMX](#)

◇ **getClasses**

```
public java.lang.Class[] getClasses()
```

Description copied from class: [AbstractMX](#)

Get the classes associated with this message

Specified by:

[getClasses](#) in class [AbstractMX](#)

◇ **fromJson**

```
public static final MxPacs00900108 fromJson (java.lang.String json)
```

Creates an MxPacs00900108 messages from its JSON representation.

For generic conversion of JSON into the corresponding MX instance see [AbstractMX.fromJson\(String\)](#)

Parameters:

json - a JSON representation of an MxPacs00900108 message

Returns:

a new instance of MxPacs00900108

Since:

7.10.2

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ toString

```
public java.lang.String toString()
```

Overrides:

toString in class java.lang.Object

◇ equals

```
public boolean equals (java.lang.Object that)
```

Overrides:

equals in class java.lang.Object

◇ hashCode

```
public int hashCode()
```

Overrides:

hashCode in class java.lang.Object

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- [Summary:](#)
- [Nested |](#)
- [Field |](#)
- [Constr |](#)
- [Method](#)

- [Detail:](#)
- [Field |](#)
- [Constr |](#)
- [Method](#)

JavaScript is disabled on your browser.

Skip navigation links

- [Overview](#)
- [Package](#)

- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
 - Nested |
 - [Field](#) |
 - [Constr](#) |
 - [Method](#)
- Detail:
 - [Field](#) |
 - [Constr](#) |
 - [Method](#)

Package [com.prowidesoftware.swift.model.mx](#)

Class MxPacs00900109

- [java.lang.Object](#)
- - ◆ [com.prowidesoftware.swift.model.AbstractMessage](#)
 - ◆
 - ◆ [com.prowidesoftware.swift.model.mx.AbstractMX](#)
 - ◆ [com.prowidesoftware.swift.model.mx.MxPacs00900109](#)
- All Implemented Interfaces:
 - [com.prowidesoftware.JsonSerializable](#)

```
public class MxPacs00900109
    extends AbstractMX
```

Class for pacs.009.001.09 ISO 20022 message.

◆ Field Summary

Fields

Modifier and Type

```
static java.lang.Class[]
static java.lang.String
```

Modifier and Type

```
protected
com.providesoftware.swift.model.mx.dic.FinancialInstitutionCreditTra
static int
static java.lang.String
static int
static int
```

◊ **Fields inherited from****class com.providesoftware.swift.model.mx.AbstractMX**DEFAULT ROOT ELEMENT, DOCUMENT LOCALNAME◆ **Constructor Summary**

Constructors

Constructor	Description
<u>MxPacs00900109</u> ()	
<u>MxPacs00900109</u> (<u>MxSwiftMessage</u> mxSwiftMessage)	Creates the MX object parsing the raw content from the parameter MxSwiftMessage
<u>MxPacs00900109</u> (java.lang.String xml)	Creates the MX object parsing the parameter String with the XML content

◆ **Method Summary**All Methods Static Methods Instance Methods Concrete Methods**Modifier and Type**

```
boolean

static MxPacs00900109

java.lang.String

java.lang.Class[]

com.providesoftware.swift.model.mx.dic.FinancialInstitutionCreditTra
```

Modifier and Type

int

java.lang.String

int

int

int

static MxPacs00900109

static MxPacs00900109

static MxPacs00900109

MxPacs00900109

java.lang.String

◇ **Methods inherited from
class com.providesoftware.swift.model.mx.AbstractMX**

document, document, document, element, element, fromJson,
fromJsonV9, fromJsonV9, getAppHdr, getMxId, header,
header, message, message, parse, parse, parse, parse,

MxBusinessProcess (Provide ISO 2002 API Reference)

[setAppHdr](#), [targetNamespace](#), [toJson](#), [toJsonV9](#), [write](#),
[write](#), [xmlSource](#)

◇ **Methods inherited from**

class com.providesoftware.swift.model.AbstractMessage

[getMessageStandardType](#), [isMT](#), [isMX](#)

◇ **Methods inherited from class java.lang.Object**

[clone](#), [finalize](#), [getClass](#), [notify](#), [notifyAll](#), [wait](#), [wait](#),
[wait](#)

- ◇ **Field Detail**

◇ **fiCdtTrf**

`protected com.providesoftware.swift.model.mx.dic.FinancialInstitution`

◇ **BUSINESS_PROCESS**

`public static final transient java.lang.String BUSINESS_PROCESS`

See Also:

[Constant Field Values](#)

◇ **FUNCTIONALITY**

`public static final transient int FUNCTIONALITY`

See Also:

[Constant Field Values](#)

◇ **VARIANT**

`public static final transient int VARIANT`

See Also:

[Constant Field Values](#)

◇ **VERSION**

`public static final transient int VERSION`

See Also:

[Constant Field Values](#)

◇ **_classes**

`public static final transient java.lang.Class[] _classes`

◇ **NAMESPACE**

`public static final transient java.lang.String NAMESPACE`

See Also:

[Constant Field Values](#)

◆ Constructor Detail

◆ MxPacs00900109

```
public MxPacs00900109()
```

◆ MxPacs00900109

```
public MxPacs00900109 (java.lang.String xml)
```

Creates the MX object parsing the parameter String with the XML content

◆ MxPacs00900109

```
public MxPacs00900109 (MxSwiftMessage mxSwiftMessage)
```

Creates the MX object parsing the raw content from the parameter MxSwiftMessage

◆ Method Detail

◆ getFICdtTrf

```
public com.providesoftware.swift.model.mx.dic.FinancialInstitutionCre
```

Gets the value of the fiCdtTrf property.

Returns:

possible object is FinancialInstitutionCreditTransferV09

◆ setFICdtTrf

```
public MxPacs00900109 setFICdtTrf (com.providesoftware.swift.model.mx
```

Sets the value of the fiCdtTrf property.

Parameters:

value - allowed object is

FinancialInstitutionCreditTransferV09

◆ getBusinessProcess

```
public java.lang.String getBusinessProcess()
```

Description copied from class: AbstractMX

get the Alphabetic code in four positions (fixed length) identifying the Business Process

Specified by:

getBusinessProcess in class AbstractMX

Returns:

the business process of the implementing class

◆ getFunctionality

```
public int getFunctionality()
```

Description copied from class: AbstractMX

Get the code identifying the Message Functionality

Specified by:

getFunctionality in class AbstractMX

MxBusinessProcess (Provide ISO 20022 API Reference)

Returns:

the set functionality or null if not set

◇ **getVariant**

```
public int getVariant()
```

Description copied from class: [AbstractMX](#)

Get the Message variant

Specified by:

[getVariant](#) in class [AbstractMX](#)

Returns:

the set variant or null if not set

◇ **getVersion**

```
public int getVersion()
```

Description copied from class: [AbstractMX](#)

Get the message version

Specified by:

[getVersion](#) in class [AbstractMX](#)

Returns:

the set version or null if not set

◇ **parse**

```
public static MxPacs00900109 parse (java.lang.String xml)
```

Creates the MX object parsing the raw content from the parameter XML, using default unmarshalling options

◇ **parse**

```
public static MxPacs00900109 parse (java.lang.String xml,  
                                     MxReadConfiguration conf)
```

Creates the MX object parsing the raw content from the parameter XML, using the provided unmarshalling options

Since:

9.2.6

◇ **parse**

```
public static MxPacs00900109 parse (java.lang.String xml,  
                                     MxRead parserImpl)
```

Creates the MX object parsing the raw content from the parameter XML with injected read implementation

Parameters:

`parserImpl` - an MX unmarshall implementation

Since:

9.0.1

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ **getNamespace**

```
public java.lang.String getNamespace()
```

Description copied from class: [AbstractMX](#)

Get the XML namespace of the message

Specified by:

[getNamespace](#) in class [AbstractMX](#)

◇ **getClasses**

```
public java.lang.Class[] getClasses()
```

Description copied from class: [AbstractMX](#)

Get the classes associated with this message

Specified by:

[getClasses](#) in class [AbstractMX](#)

◇ **fromJson**

```
public static final MxPacs00900109 fromJson (java.lang.String json)
```

Creates an [MxPacs00900109](#) messages from its JSON representation.

For generic conversion of JSON into the corresponding MX instance see
[AbstractMX.fromJson\(String\)](#)

Parameters:

`json` - a JSON representation of an [MxPacs00900109](#) message

Returns:

a new instance of [MxPacs00900109](#)

Since:

7.10.2

◇ **toString**

```
public java.lang.String toString()
```

Overrides:

[toString](#) in class [java.lang.Object](#)

◇ **equals**

```
public boolean equals (java.lang.Object that)
```

Overrides:

[equals](#) in class [java.lang.Object](#)

◇ **hashCode**

```
public int hashCode()
```

Overrides:

[hashCode](#) in class [java.lang.Object](#)

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:
- [Nested |](#)
- [Field |](#)
- [Constr |](#)
- [Method](#)

- Detail:
- [Field |](#)
- [Constr |](#)
- [Method](#)

JavaScript is disabled on your browser.

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)

- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- [Nested |](#)
- [Field |](#)
- [Constr |](#)
- [Method](#)

- Detail:

- [Field](#) |
- [Constr](#) |
- [Method](#)

Package [com.prowidesoftware.swift.model.mx](#)

Class MxPacs00900110

- java.lang.Object
- ♦ com.prowidesoftware.swift.model.AbstractMessage
 - ♦ ♦ [com.prowidesoftware.swift.model.mx.AbstractMX](#)
 - ♦ · com.prowidesoftware.swift.model.mx.MxPacs00900110

- All Implemented Interfaces:
com.prowidesoftware.JsonSerializable

```
public class MxPacs00900110
    extends AbstractMX
```

Class for pacs.009.001.10 ISO 20022 message.

♦ Field Summary

Fields

Modifier and Type

```
static java.lang.Class[]
static java.lang.String
protected
com.prowidesoftware.swift.model.mx.dic.FinancialInstitutionCreditTra
static int
static java.lang.String
static int
static int
```

♦ Fields inherited from
class com.prowidesoftware.swift.model.mx.[AbstractMX](#)

[DEFAULT_ROOT_ELEMENT](#), [DOCUMENT_LOCALNAME](#)

♦ Constructor Summary

Constructors

Constructor	Description
MxPacs00900110()	
MxPacs00900110(MxSwiftMessage mxSwiftMessage)	Creates the MX object parsing the raw content from the parameter

Constructor	Description
<u>MxPacs00900110</u> (<code>java.lang.String xml</code>)	MxSwiftMessage Creates the MX object parsing the parameter String with the XML content
◆ Method Summary	
All Methods Static Methods Instance Methods Concrete Methods	
Modifier and Type	
boolean	
static MxPacs00900110	
java.lang.String	
java.lang.Class[]	
com.providesoftware.swift.model.mx.dic.FinancialInstitutionCreditTra	
int	
java.lang.String	
int	
int	
int	
static MxPacs00900110	

Modifier and Type

static MxPacs00900110

static MxPacs00900110

MxPacs00900110

java.lang.String

◇ **Methods inherited from
class com.providesoftware.swift.model.mx.AbstractMX**

document, document, document, element, element, fromJson,
fromJsonV9, fromJsonV9, getAppHdr, getMxId, header,
header, message, message, parse, parse, parse, parse,
setAppHdr, targetNamespace, toJson, toJsonV9, write,
write, xmlSource

◇ **Methods inherited from
class com.providesoftware.swift.model.AbstractMessage**

getMessageStandardType, isMT, isMX

◇ **Methods inherited from class java.lang.Object**

clone, finalize, getClass, notify, notifyAll, wait, wait,
wait

- ◆ **Field Detail**

◇ **fiCdtTrf**

protected com.providesoftware.swift.model.mx.dic.FinancialInstitution

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ BUSINESS_PROCESS

```
public static final transient java.lang.String BUSINESS_PROCESS
```

See Also:

[Constant Field Values](#)

◇ FUNCTIONALITY

```
public static final transient int FUNCTIONALITY
```

See Also:

[Constant Field Values](#)

◇ VARIANT

```
public static final transient int VARIANT
```

See Also:

[Constant Field Values](#)

◇ VERSION

```
public static final transient int VERSION
```

See Also:

[Constant Field Values](#)

◇ _classes

```
public static final transient java.lang.Class[] _classes
```

◇ NAMESPACE

```
public static final transient java.lang.String NAMESPACE
```

See Also:

[Constant Field Values](#)

◆ Constructor Detail

◇ MxPacs00900110

```
public MxPacs00900110()
```

◇ MxPacs00900110

```
public MxPacs00900110 (java.lang.String xml)
```

Creates the MX object parsing the parameter String with the XML content

◇ MxPacs00900110

```
public MxPacs00900110 (MxSwiftMessage mxSwiftMessage)
```

Creates the MX object parsing the raw content from the parameter MxSwiftMessage

Method Detail

◇ **getFICdtTrf**

```
public com.providesoftware.swift.model.mx.dic.FinancialInstitutionCre
```

Gets the value of the fiCdtTrf property.

Returns:

possible object is FinancialInstitutionCreditTransferV10

◇ **setFICdtTrf**

```
public MxPacs00900110 setFICdtTrf (com.providesoftware.swift.model.mx
```

Sets the value of the fiCdtTrf property.

Parameters:

value - allowed object is

FinancialInstitutionCreditTransferV10

◇ **getBusinessProcess**

```
public java.lang.String getBusinessProcess()
```

Description copied from class: AbstractMX

get the Alphabetic code in four positions (fixed length) identifying the Business Process

Specified by:

getBusinessProcess in class AbstractMX

Returns:

the business process of the implementing class

◇ **getFunctionality**

```
public int getFunctionality()
```

Description copied from class: AbstractMX

Get the code identifying the Message Functionality

Specified by:

getFunctionality in class AbstractMX

Returns:

the set functionality or null if not set

◇ **getVariant**

```
public int getVariant()
```

Description copied from class: AbstractMX

Get the Message variant

Specified by:

getVariant in class AbstractMX

Returns:

the set variant or null if not set

◇ **getVersion**

```
public int getVersion()
```

Description copied from class: [AbstractMX](#)

Get the message version

Specified by:

[getVersion](#) in class [AbstractMX](#)

Returns:

the set version or null if not set

◇ **parse**

```
public static MxPacs00900110 parse (java.lang.String xml)
```

Creates the MX object parsing the raw content from the parameter XML, using default unmarshalling options

◇ **parse**

```
public static MxPacs00900110 parse (java.lang.String xml,  
                                     MxReadConfiguration conf)
```

Creates the MX object parsing the raw content from the parameter XML, using the provided unmarshalling options

Since:

9.2.6

◇ **parse**

```
public static MxPacs00900110 parse (java.lang.String xml,  
                                     MxRead parserImpl)
```

Creates the MX object parsing the raw content from the parameter XML with injected read implementation

Parameters:

parserImpl - an MX unmarshall implementation

Since:

9.0.1

◇ **getNamespace**

```
public java.lang.String getNamespace()
```

Description copied from class: [AbstractMX](#)

Get the XML namespace of the message

Specified by:

[getNamespace](#) in class [AbstractMX](#)

◇ **getClasses**

```
public java.lang.Class[] getClasses()
```

Description copied from class: [AbstractMX](#)

Get the classes associated with this message

Specified by:

[getClasses](#) in class [AbstractMX](#)

MxBusinessProcess (Provide ISO 20022 API Reference)

◆ ◇ fromJson

```
public static final MxPacs00900110 fromJson (java.lang.String json)
```

Creates an MxPacs00900110 messages from its JSON representation.

For generic conversion of JSON into the corresponding MX instance see [AbstractMX.fromJson\(String\)](#)

Parameters:

json - a JSON representation of an MxPacs00900110 message

Returns:

a new instance of MxPacs00900110

Since:

7.10.2

◇ toString

```
public java.lang.String toString()
```

Overrides:

toString in class java.lang.Object

◇ equals

```
public boolean equals (java.lang.Object that)
```

Overrides:

equals in class java.lang.Object

◇ hashCode

```
public int hashCode()
```

Overrides:

hashCode in class java.lang.Object

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:

- [Nested |](#)
- [Field |](#)
- [Constr |](#)
- [Method](#)

- Detail:
- [Field |](#)
- [Constr |](#)
- [Method](#)

JavaScript is disabled on your browser.

[Skip navigation links](#)

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024-10.2.7

- [All Classes](#)
- SEARCH:

JavaScript is disabled on your browser.

- Summary:
- [Nested |](#)
- [Field |](#)
- [Constr |](#)
- [Method](#)

- Detail:
- [Field |](#)
- [Constr |](#)
- [Method](#)

Package [com.prowidesoftware.swift.model.mx](#)

Class MxPacs00900111

- java.lang.Object
 - [com.prowidesoftware.swift.model.AbstractMessage](#)
 - [com.prowidesoftware.swift.model.mx.AbstractMX](#)
 - com.prowidesoftware.swift.model.mx.MxPacs00900111

- All Implemented Interfaces:

com.providesoftware.JsonSerializable

```
public class MxPacs00900111
    extends AbstractMX
```

Class for pacs.009.001.11 ISO 2022 message.

• ◆ Field Summary

Fields

	Modifier and Type
static	java.lang.Class[]
static	java.lang.String
protected	
	com.providesoftware.swift.model.mx.dic.FinancialInstitutionCreditTra
static	int
static	java.lang.String
static	int
static	int

◆ Fields inherited from
class com.providesoftware.swift.model.mx.AbstractMX

DEFAULT_ROOT_ELEMENT, DOCUMENT_LOCALNAME

◆ Constructor Summary

Constructors

Constructor	Description
<u>MxPacs00900111</u> ()	
<u>MxPacs00900111</u> (<u>MxSwiftMessage</u> mxSwiftMessage)	Creates the MX object parsing the raw content from the parameter MxSwiftMessage
<u>MxPacs00900111</u> (java.lang.String xml)	Creates the MX object parsing the parameter String with the XML content

◆ Method Summary

All Methods Static Methods Instance Methods Concrete Methods

	Modifier and Type
boolean	
static	<u>MxPacs00900111</u>

Modifier and Type

java.lang.String

java.lang.Class[]

com.prowidesoftware.swift.model.mx.dic.FinancialInstitutionCreditTra

int

java.lang.String

int

int

int

static MxPacs00900111

static MxPacs00900111

static MxPacs00900111

Modifier and Type

MxPacs00900111

java.lang.String

◇ **Methods inherited from
class com.providesoftware.swift.model.mx.AbstractMX**

document, document, document, element, element, fromJson,
fromJsonV9, fromJsonV9, getAppHdr, getMxId, header,
header, message, message, parse, parse, parse, parse,
setAppHdr, targetNamespace, toJson, toJsonV9, write,
write, xmlSource

◇ **Methods inherited from
class com.providesoftware.swift.model.AbstractMessage**

getMessageStandardType, isMT, isMX

◇ **Methods inherited from class java.lang.Object**

clone, finalize, getClass, notify, notifyAll, wait, wait,
wait

- ◆ **Field Detail**

◇ **fiCdtTrf**

protected com.providesoftware.swift.model.mx.dic.FinancialInstitution

◇ **BUSINESS_PROCESS**

public static final transient java.lang.String BUSINESS_PROCESS

See Also:

Constant Field Values

◇ **FUNCTIONALITY**

public static final transient int FUNCTIONALITY

See Also:

Constant Field Values

◇ **VARIANT**

public static final transient int VARIANT

See Also:

Constant Field Values

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ VERSION

```
public static final transient int VERSION
```

See Also:

[Constant Field Values](#)

◇ _classes

```
public static final transient java.lang.Class[] _classes
```

◇ NAMESPACE

```
public static final transient java.lang.String NAMESPACE
```

See Also:

[Constant Field Values](#)

◆ Constructor Detail

◇ MxPacs00900111

```
public MxPacs00900111()
```

◇ MxPacs00900111

```
public MxPacs00900111 (java.lang.String xml)
```

Creates the MX object parsing the parameter String with the XML content

◇ MxPacs00900111

```
public MxPacs00900111 (MxSwiftMessage mxSwiftMessage)
```

Creates the MX object parsing the raw content from the parameter MxSwiftMessage

◆ Method Detail

◇ getFICdtTrf

```
public com.providesoftware.swift.model.mx.dic.FinancialInstitutionCreditTransferV11
```

Gets the value of the fiCdtTrf property.

Returns:

possible object is FinancialInstitutionCreditTransferV11

◇ setFICdtTrf

```
public MxPacs00900111 setFICdtTrf (com.providesoftware.swift.model.mx.dic.FinancialInstitutionCreditTransferV11 value)
```

Sets the value of the fiCdtTrf property.

Parameters:

value - allowed object is

FinancialInstitutionCreditTransferV11

◇ getBusinessProcess

```
public java.lang.String getBusinessProcess()
```

Description copied from class: [AbstractMX](#)

MxBusinessProcess (Provide ISO 20022 API Reference)

get the Alphabetic code in four positions (fixed length) identifying the Business Process

Specified by:

getBusinessProcess in class AbstractMX

Returns:

the business process of the implementing class

◇ **getFunctionality**

```
public int getFunctionality()
```

Description copied from class: AbstractMX

Get the code identifying the Message Functionality

Specified by:

getFunctionality in class AbstractMX

Returns:

the set functionality or null if not set

◇ **getVariant**

```
public int getVariant()
```

Description copied from class: AbstractMX

Get the Message variant

Specified by:

getVariant in class AbstractMX

Returns:

the set variant or null if not set

◇ **getVersion**

```
public int getVersion()
```

Description copied from class: AbstractMX

Get the message version

Specified by:

getVersion in class AbstractMX

Returns:

the set version or null if not set

◇ **parse**

```
public static MxPacs00900111 parse (java.lang.String xml)
```

Creates the MX object parsing the raw content from the parameter XML, using default unmarshalling options

◇ **parse**

```
public static MxPacs00900111 parse (java.lang.String xml,  
                                     MxReadConfiguration conf)
```

Creates the MX object parsing the raw content from the parameter XML, using the provided unmarshalling options

Since:

9.2.6

MxBusinessProcess (Provide ISO 20022 API Reference)

◇ **parse**

```
public static MxPacs00900111 parse (java.lang.String xml,  
                                     MxRead parserImpl)
```

Creates the MX object parsing the raw content from the parameter XML with injected read implementation

Parameters:

parserImpl - an MX unmarshall implementation

Since:

9.0.1

◇ **getNamespace**

```
public java.lang.String getNamespace()
```

Description copied from class: AbstractMX

Get the XML namespace of the message

Specified by:

getNamespace in class AbstractMX

◇ **getClasses**

```
public java.lang.Class[] getClasses()
```

Description copied from class: AbstractMX

Get the classes associated with this message

Specified by:

getClasses in class AbstractMX

◇ **fromJson**

```
public static final MxPacs00900111 fromJson (java.lang.String json)
```

Creates an MxPacs00900111 messages from its JSON representation.

For generic conversion of JSON into the corresponding MX instance see [AbstractMX.fromJson\(String\)](#)

Parameters:

json - a JSON representation of an MxPacs00900111 message

Returns:

a new instance of MxPacs00900111

Since:

7.10.2

◇ **toString**

```
public java.lang.String toString()
```

Overrides:

toString in class java.lang.Object

◇ **equals**

```
public boolean equals (java.lang.Object that)
```

Overrides:

equals in class java.lang.Object

◇ **hashCode**

```
public int hashCode()
```

Overrides:

hashCode in class java.lang.Object

Skip navigation links

- [Overview](#)
- [Package](#)
- [Class](#)
- [Tree](#)
- [Deprecated](#)
- [Index](#)
- [Help](#)

SRU2024, generated 25 Apr 2025

- [All Classes](#)

JavaScript is disabled on your browser.

- Summary:
- Nested |
- [Field](#) |
- [Constr](#) |
- [Method](#)

- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)