JavaScript is disabled on your browser.
Skip navigation links

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

SRU2024-10.2.8

- All Classes

- SEARCH:

JavaScript is disabled on your browser.

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

- Detail:
- Field |
- Constr |
- Method

Package com.prowidesoftware.swift.model

Class AbstractMessage

- java.lang.Object
- ♦ com.prowidesoftware.swift.model.AbstractMessage

- Direct Known Subclasses:
  AbstractMT

```
public abstract class AbstractMessage
extends java.lang.Object
```

Base class for hierarchy of specific MT and MX classes.

- ♦ **Constructor Summary**

Constructors

Modifier	Constructor	Description

Modifier	Constructor	Description
protected	**AbstractMessage()**	Protected constructor nec for jaxb in MX.
protected	**AbstractMessage (MessageStandardType type)**	Constructor for an MessageStandardTy or MessageStandardTy message.

♦ Method Summary

All Methods Instance Methods Abstract Methods Concrete Methods

Modifier and Type	Method	Description
MessageStandardType	**getMessageStandardType()**	
boolean	**isMT()**	
boolean	**isMX()**	
abstract java.lang.String	**message()**	Serialize this message into its raw SWIFT format: FIN for MT and XML for MX

◊ Methods inherited from class java.lang.Object

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

♦ Constructor Detail

◊ AbstractMessage

```
protected AbstractMessage()
```

Protected constructor necessary for jaxb in MX.

◊ AbstractMessage

```
protected AbstractMessage (MessageStandardType type)
```

Constructor for an MessageStandardType.MT or MessageStandardType.MX message.
Parameters:
type - message type

♦ Method Detail

◊ message

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

Serialize this message into its raw SWIFT format: FIN for MT and XML for MX
Returns:
the message content

Since:
8.0.2

◊ isMT

```
public boolean isMT()
```

Returns:
true if the message is an MT, false otherwise

◊ isMX

```
public boolean isMX()
```

Returns:
true if the message is an MX, false otherwise

◊ getMessageStandardType

```
public MessageStandardType getMessageStandardType()
```

Returns:
the standard enumeration value corresponding to this message

Skip navigation links

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

- All Classes

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

- Detail:
- Field |
- Constr |
- Method

Package com.prowidesoftware.swift.model.mt.mt1xx

Class MT103

- java.lang.Object
- ♦ com.prowidesoftware.swift.model.AbstractMessage
  - ♦ ◊ com.prowidesoftware.swift.model.mt.AbstractMT
    - ◊ · com.prowidesoftware.swift.model.mt.mt1xx.MT103

- All Implemented Interfaces:
  JsonSerializable, java.io.Serializable

```
@Generated
public class MT103
extends AbstractMT
implements java.io.Serializable
```

MT 103 - Single Customer Credit Transfer.

SWIFT MT103 (ISO 15022) message structure:

- Field 20 (M)
- Field 13 C (O) (repetitive)
- Field 23 B (M)
- Field 23 E (O) (repetitive)
- Field 26 T (O)
- Field 32 A (M)
- Field 33 B (O)
- Field 36 (O)
- Field 50 A,F,K (M)
- Field 51 A (O)
- Field 52 A,D (O)
- Field 53 A,B,D (O)
- Field 54 A,B,D (O)
- Field 55 A,B,D (O)
- Field 56 A,C,D (O)
- Field 57 A,B,C,D (O)
- Field 59 A,F,NONE (M)
- Field 70 (O)
- Field 71 A (M)
- Field 71 F (O) (repetitive)
- Field 71 G (O)
- Field 72 (O)
- Field 77 B (O)

This source code is specific to release **SRU 2024**

For additional resources check https://www.prowidesoftware.com/resources

See Also:
Serialized Form

♦ Field Summary

Fields

Modifier and Type	Field	Description
`static java.lang.String`	**NAME**	Constant for MT name, this is part of the classname, after MT.
`static int`	**SRU**	Constant identifying the SRU to which this class belongs to.

◊ Fields inherited from class com.prowidesoftware.swift.model.mt.AbstractMT

m

♦ Constructor Summary

Constructors

Constructor	Description

Constructor	Description
MT103()	Creates and initializes a new MT103 input message setting TEST BICS as sender and receiver.
MT103 (MtSwiftMessage m)	Creates an MT103 initialized with the parameter MtSwiftMessage.
MT103 (SwiftMessage m)	Creates an MT103 initialized with the parameter SwiftMessage.
MT103 (java.io.File file)	Creates a new MT103 by parsing a file with the message content in its swift FIN format.
MT103 (java.io.InputStream stream)	Creates a new MT103 by parsing a input stream with the message content in its swift FIN format, using "UTF-8" as encoding.
MT103 (java.lang.String fin)	Creates a new MT103 by parsing a String with the message content in its swift FIN format.
MT103 (java.lang.String sender, java.lang.String receiver)	Creates and initializes a new MT103 input message from sender to receiver.

♦ Method Summary

All Methods Static Methods Instance Methods Concrete Methods

Modifier and Type	Method	Des
MT103	**append (Field... fields)**	Add all the fie block4.
MT103	**append (SwiftTagListBlock block)**	Add all tags fr of the block4.
MT103	**append (Tag... tags)**	Add all tags to block4.
static MT103	**fromJson (java.lang.String json)**	Creates an MT its JSON repre
java.util.List<Field13C>	**getField13C()**	Iterates throug return all occu whose names Collection if none is foun
Field20	**getField20()**	Iterates throug return the first matches 20, o found.
Field23B	**getField23B()**	Iterates throug return the first matches 23B, found.

Modifier and Type	Method	Des
java.util.List<Field23E>	**getField23E()**	Iterates throug return all occu whose names Collectior if none is foun
Field26T	**getField26T()**	Iterates throug return the first matches 26T, found.
Field32A	**getField32A()**	Iterates throug return the first matches 32A, found.
Field33B	**getField33B()**	Iterates throug return the first matches 33B, found.
Field36	**getField36()**	Iterates throug return the first matches 36, or found.
Field50A	**getField50A()**	Iterates throug return the first matches 50A, found.
Field50F	**getField50F()**	Iterates throug return the first matches 50F, found.
Field50K	**getField50K()**	Iterates throug return the first matches 50K, found.
Field51A	**getField51A()**	Iterates throug return the first matches 51A, found.
Field52A	**getField52A()**	Iterates throug return the first matches 52A, found.
Field52D	**getField52D()**	Iterates throug return the first matches 52D, found.
Field53A	**getField53A()**	Iterates throug return the first

Modifier and Type	Method	Des
		matches 53A, found.
Field53B	**getField53B()**	Iterates throug return the first matches 53B, found.
Field53D	**getField53D()**	Iterates throug return the first matches 53D, found.
Field54A	**getField54A()**	Iterates throug return the first matches 54A, found.
Field54B	**getField54B()**	Iterates throug return the first matches 54B, found.
Field54D	**getField54D()**	Iterates throug return the first matches 54D, found.
Field55A	**getField55A()**	Iterates throug return the first matches 55A, found.
Field55B	**getField55B()**	Iterates throug return the first matches 55B, found.
Field55D	**getField55D()**	Iterates throug return the first matches 55D, found.
Field56A	**getField56A()**	Iterates throug return the first matches 56A, found.
Field56C	**getField56C()**	Iterates throug return the first matches 56C, found.
Field56D	**getField56D()**	Iterates throug return the first matches 56D, found.
Field57A	**getField57A()**	

Modifier and Type	Method	Des
		Iterates throug return the first matches 57A, found.
Field57B	**getField57B()**	Iterates throug return the first matches 57B, found.
Field57C	**getField57C()**	Iterates throug return the first matches 57C, found.
Field57D	**getField57D()**	Iterates throug return the first matches 57D, found.
Field59	**getField59()**	Iterates throug return the first matches 59, or found.
Field59A	**getField59A()**	Iterates throug return the first matches 59A, found.
Field59F	**getField59F()**	Iterates throug return the first matches 59F, found.
Field70	**getField70()**	Iterates throug return the first matches 70, or found.
Field71A	**getField71A()**	Iterates throug return the first matches 71A, found.
java.util.List<Field71F>	**getField71F()**	Iterates throug return all occu whose names Collectior if none is foun
Field71G	**getField71G()**	Iterates throug return the first matches 71G, found.
Field72	**getField72()**	Iterates throug return the first

Modifier and Type	Method	Des
		matches 72, or found.
Field77B	**getField77B()**	Iterates throug return the first matches 77B, found.
java.lang.String	**getMessageType()**	Returns this M
java.lang.String	**getUETR()**	Gets the Uniqu Transaction R from block 3).
static MT103	**parse (MtSwiftMessage m)**	Creates an MT the parameter
static MT103	**parse (java.io.File file)**	Creates a new a file with the its swift FIN f
static MT103	**parse (java.io.InputStream stream)**	Creates a new a input stream content in its s using "UTF-8"
static MT103	**parse (java.lang.String fin)**	Creates a new a String with t in its swift FIN

◊ Methods inherited from class com.prowidesoftware.swift.model.mt.AbstractMT

addField, containsSequence, containsSequenceList, create, create, getApplicationId, getFields, getLogicalTerminal, getMessagePriority, getMtId, getReceiver, getSender, getSequence, getSequence, getSequence, getSequenceList, getSequenceList, getSequenceNumber, getServiceId, getSessionNumber, getSignature, getSwiftMessage, getSwiftMessageNotNullOrException, getVariant, isIncoming, isInput, isOutgoing, isOutput, isType, message, nameFromClass, read, setReceiver, setReceiver, setSender, setSender, setSignature, setSwiftMessage, tag, tags, toJson, toString, write, write, xml

◊ 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, wait, wait, wait

♦ Field Detail

◊ SRU

```
public static final int SRU
```

Constant identifying the SRU to which this class belongs to.
See Also:
Constant Field Values

◊ NAME

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

Constant for MT name, this is part of the classname, after MT.
See Also:
Constant Field Values

♦ Constructor Detail

◊ MT103

```
public MT103 (SwiftMessage m)
```

Creates an MT103 initialized with the parameter SwiftMessage.
Parameters:
m - swift message with the MT103 content

◊ MT103

```
public MT103 (MtSwiftMessage m)
```

Creates an MT103 initialized with the parameter MtSwiftMessage.
Parameters:
m - swift message with the MT103 content, the parameter can not be null
See Also:
MT103(String)

◊ MT103

```
public MT103()
```

Creates and initializes a new MT103 input message setting TEST BICS as sender and receiver. All mandatory header attributes are completed with default values.
Since:
7.6

◊ MT103

```
public MT103 (java.lang.String sender,
              java.lang.String receiver)
```

Creates and initializes a new MT103 input message from sender to receiver. All mandatory header attributes are completed with default values. In particular the sender and receiver addresses will be filled with proper default LT identifier and branch codes if not provided,

Parameters:

`sender` - the sender address as a bic8, bic11 or full logical terminal consisting of 12 characters

`receiver` - the receiver address as a bic8, bic11 or full logical terminal consisting of 12 characters

Since:

7.7

◊ **MT103**

```
public MT103 (java.lang.String fin)
```

Creates a new MT103 by parsing a String with the message content in its swift FIN format. If the fin parameter is null or the message cannot be parsed, the internal message object will be initialized (blocks will be created) but empty. If the string contains multiple messages, only the first one will be parsed.

Parameters:

`fin` - a string with the MT message in its FIN swift format

Since:

7.7

◊ **MT103**

```
public MT103 (java.io.InputStream stream)
      throws java.io.IOException
```

Creates a new MT103 by parsing a input stream with the message content in its swift FIN format, using "UTF-8" as encoding. If the message content is null or cannot be parsed, the internal message object will be initialized (blocks will be created) but empty. If the stream contains multiple messages, only the first one will be parsed.

Parameters:

`stream` - an input stream in UTF-8 encoding with the MT message in its FIN swift format.

Throws:

`java.io.IOException` - if the stream data cannot be read

Since:

7.7

◊ **MT103**

```
public MT103 (java.io.File file)
      throws java.io.IOException
```

Creates a new MT103 by parsing a file with the message content in its swift FIN format. If the file content is null or cannot be parsed as a message, the internal message object will be initialized (blocks will be created) but empty. If the file contains multiple messages, only the first one will be parsed.

Parameters:

`file` - a file with the MT message in its FIN swift format.

Throws:

`java.io.IOException` - if the file content cannot be read

Since:

7.7

Method Detail

◊ parse

```
public static MT103 parse (MtSwiftMessage m)
```

Creates an MT103 initialized with the parameter MtSwiftMessage.
Parameters:
`m` - swift message with the MT103 content
Returns:
the created object or null if the parameter is null
Since:
7.7
See Also:
`MT103(String)`

◊ parse

```
public static MT103 parse (java.lang.String fin)
```

Creates a new MT103 by parsing a String with the message content in its swift FIN format. If the fin parameter cannot be parsed, the returned MT103 will have its internal message object initialized (blocks will be created) but empty. If the string contains multiple messages, only the first one will be parsed.
Parameters:
`fin` - a string with the MT message in its FIN swift format. *fin may be null in which case this method returns null*
Returns:
a new instance of MT103 or null if fin is null
Since:
7.7

◊ parse

```
public static MT103 parse (java.io.InputStream stream)
                    throws java.io.IOException
```

Creates a new MT103 by parsing a input stream with the message content in its swift FIN format, using "UTF-8" as encoding. If the stream contains multiple messages, only the first one will be parsed.
Parameters:
`stream` - an input stream in UTF-8 encoding with the MT message in its FIN swift format.
Returns:
a new instance of MT103 or null if stream is null or the message cannot be parsed
Throws:
`java.io.IOException` - if the stream data cannot be read
Since:
7.7

◊ parse

```
public static MT103 parse (java.io.File file)
                    throws java.io.IOException
```

Creates a new MT103 by parsing a file with the message content in its swift FIN format. If the file contains multiple messages, only the first one will be parsed.
Parameters:
`file` - a file with the MT message in its FIN swift format.
Returns:
a new instance of MT103 or null if; file is null, does not exist, can't be read, is not a file or the message cannot be parsed
Throws:
`java.io.IOException` - if the file content cannot be read
Since:
7.7

◊ getMessageType

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

Returns this MT number.
Specified by:
`getMessageType` in class `AbstractMT`
Returns:
the message type number of this MT
Since:
6.4

◊ getUETR

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

Gets the Unique End to End Transaction Reference (field 121 from block 3).

This field is used by the SWIFT gpi service to track payments messages.

Returns:
the UETR value or null if block3 or field 121 in block3 are not present
Since:
7.10.0

◊ append

```
public MT103 append (SwiftTagListBlock block)
```

Add all tags from block to the end of the block4.
Overrides:
`append` in class `AbstractMT`
Parameters:
`block` - to append
Returns:
this object to allow method chaining
Since:
7.6

◊ append

```
public MT103 append (Tag... tags)
```

Add all tags to the end of the block4.
Overrides:
append in class AbstractMT
Parameters:
tags - to append
Returns:
this object to allow method chaining
Since:
7.6

◊ append

```
public MT103 append (Field... fields)
```

Add all the fields to the end of the block4.
Overrides:
append in class AbstractMT
Parameters:
fields - to append
Returns:
this object to allow method chaining
Since:
7.6

◊ fromJson

```
public static MT103 fromJson (java.lang.String json)
```

Creates an MT103 messages from its JSON representation.

For generic conversion of JSON into the corresponding MT instance see AbstractMT.fromJson(String)

Parameters:
json - a JSON representation of an MT103 message
Returns:
a new instance of MT103
Since:
7.10.3

◊ getField20

```
public Field20 getField20()
```

Iterates through block4 fields and return the first one whose name matches 20, or null if none is found. The first occurrence of field 20 at MT103 is expected to be the only one.
Returns:
a Field20 object or null if the field is not found
Throws:

java.lang.IllegalStateException - if SwiftMessage object is not initialized

See Also:

SwiftTagListBlock.getTagByName(String)

◊ getField23B

```
public Field23B getField23B()
```

Iterates through block4 fields and return the first one whose name matches 23B, or null if none is found. The first occurrence of field 23B at MT103 is expected to be the only one.

Returns:

a Field23B object or null if the field is not found

Throws:

java.lang.IllegalStateException - if SwiftMessage object is not initialized

See Also:

SwiftTagListBlock.getTagByName(String)

◊ getField26T

```
public Field26T getField26T()
```

Iterates through block4 fields and return the first one whose name matches 26T, or null if none is found. The first occurrence of field 26T at MT103 is expected to be the only one.

Returns:

a Field26T object or null if the field is not found

Throws:

java.lang.IllegalStateException - if SwiftMessage object is not initialized

See Also:

SwiftTagListBlock.getTagByName(String)

◊ getField32A

```
public Field32A getField32A()
```

Iterates through block4 fields and return the first one whose name matches 32A, or null if none is found. The first occurrence of field 32A at MT103 is expected to be the only one.

Returns:

a Field32A object or null if the field is not found

Throws:

java.lang.IllegalStateException - if SwiftMessage object is not initialized

See Also:

SwiftTagListBlock.getTagByName(String)

◊ getField33B

```
public Field33B getField33B()
```

Iterates through block4 fields and return the first one whose name matches 33B, or

null if none is found. The first occurrence of field 33B at MT103 is expected to be the only one.

Returns:

a Field33B object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField36

```
public Field36 getField36()
```

Iterates through block4 fields and return the first one whose name matches 36, or null if none is found. The first occurrence of field 36 at MT103 is expected to be the only one.

Returns:

a Field36 object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField50A

```
public Field50A getField50A()
```

Iterates through block4 fields and return the first one whose name matches 50A, or null if none is found. The first occurrence of field 50A at MT103 is expected to be the only one.

Returns:

a Field50A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField50F

```
public Field50F getField50F()
```

Iterates through block4 fields and return the first one whose name matches 50F, or null if none is found. The first occurrence of field 50F at MT103 is expected to be the only one.

Returns:

a Field50F object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField50K

```
public Field50K getField50K()
```

Iterates through block4 fields and return the first one whose name matches 50K, or null if none is found. The first occurrence of field 50K at MT103 is expected to be the only one.

Returns:

a Field50K object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField51A

```
public Field51A getField51A()
```

Iterates through block4 fields and return the first one whose name matches 51A, or null if none is found. The first occurrence of field 51A at MT103 is expected to be the only one.

Returns:

a Field51A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField52A

```
public Field52A getField52A()
```

Iterates through block4 fields and return the first one whose name matches 52A, or null if none is found. The first occurrence of field 52A at MT103 is expected to be the only one.

Returns:

a Field52A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField52D

```
public Field52D getField52D()
```

Iterates through block4 fields and return the first one whose name matches 52D, or null if none is found. The first occurrence of field 52D at MT103 is expected to be the only one.

Returns:

a Field52D object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField53A

```
public Field53A getField53A()
```

Iterates through block4 fields and return the first one whose name matches 53A, or null if none is found. The first occurrence of field 53A at MT103 is expected to be the only one.

Returns:

a Field53A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField53B

```
public Field53B getField53B()
```

Iterates through block4 fields and return the first one whose name matches 53B, or null if none is found. The first occurrence of field 53B at MT103 is expected to be the only one.

Returns:

a Field53B object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField53D

```
public Field53D getField53D()
```

Iterates through block4 fields and return the first one whose name matches 53D, or null if none is found. The first occurrence of field 53D at MT103 is expected to be the only one.

Returns:

a Field53D object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField54A

```
public Field54A getField54A()
```

Iterates through block4 fields and return the first one whose name matches 54A, or null if none is found. The first occurrence of field 54A at MT103 is expected to be the only one.

Returns:

a Field54A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField54B

```
public Field54B getField54B()
```

Iterates through block4 fields and return the first one whose name matches 54B, or null if none is found. The first occurrence of field 54B at MT103 is expected to be the only one.

Returns:

a Field54B object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField54D

```
public Field54D getField54D()
```

Iterates through block4 fields and return the first one whose name matches 54D, or null if none is found. The first occurrence of field 54D at MT103 is expected to be the only one.

Returns:

a Field54D object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField55A

```
public Field55A getField55A()
```

Iterates through block4 fields and return the first one whose name matches 55A, or null if none is found. The first occurrence of field 55A at MT103 is expected to be the only one.

Returns:

a Field55A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField55B

```
public Field55B getField55B()
```

Iterates through block4 fields and return the first one whose name matches 55B, or null if none is found. The first occurrence of field 55B at MT103 is expected to be the only one.

Returns:

a Field55B object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField55D

```
public Field55D getField55D()
```

Iterates through block4 fields and return the first one whose name matches 55D, or null if none is found. The first occurrence of field 55D at MT103 is expected to be the only one.

Returns:

a Field55D object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField56A

```
public Field56A getField56A()
```

Iterates through block4 fields and return the first one whose name matches 56A, or null if none is found. The first occurrence of field 56A at MT103 is expected to be the only one.

Returns:

a Field56A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField56C

```
public Field56C getField56C()
```

Iterates through block4 fields and return the first one whose name matches 56C, or null if none is found. The first occurrence of field 56C at MT103 is expected to be the only one.

Returns:

a Field56C object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField56D

```
public Field56D getField56D()
```

Iterates through block4 fields and return the first one whose name matches 56D, or null if none is found. The first occurrence of field 56D at MT103 is expected to be the only one.

Returns:

a Field56D object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField57A

```
public Field57A getField57A()
```

Iterates through block4 fields and return the first one whose name matches 57A, or null if none is found. The first occurrence of field 57A at MT103 is expected to be the only one.

Returns:

a Field57A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField57B

```
public Field57B getField57B()
```

Iterates through block4 fields and return the first one whose name matches 57B, or null if none is found. The first occurrence of field 57B at MT103 is expected to be the only one.

Returns:

a Field57B object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField57C

```
public Field57C getField57C()
```

Iterates through block4 fields and return the first one whose name matches 57C, or null if none is found. The first occurrence of field 57C at MT103 is expected to be the only one.

Returns:

a Field57C object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField57D

```
public Field57D getField57D()
```

Iterates through block4 fields and return the first one whose name matches 57D, or null if none is found. The first occurrence of field 57D at MT103 is expected to be the only one.

Returns:

a Field57D object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField59A

```
public Field59A getField59A()
```

Iterates through block4 fields and return the first one whose name matches 59A, or null if none is found. The first occurrence of field 59A at MT103 is expected to be the only one.

Returns:

a Field59A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField59F

```
public Field59F getField59F()
```

Iterates through block4 fields and return the first one whose name matches 59F, or null if none is found. The first occurrence of field 59F at MT103 is expected to be the only one.

Returns:

a Field59F object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField59

```
public Field59 getField59()
```

Iterates through block4 fields and return the first one whose name matches 59, or null if none is found. The first occurrence of field 59 at MT103 is expected to be the only one.

Returns:

a Field59 object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField70

```
public Field70 getField70()
```

Iterates through block4 fields and return the first one whose name matches 70, or null if none is found. The first occurrence of field 70 at MT103 is expected to be the only one.

Returns:

a Field70 object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField71A

```
public Field71A getField71A()
```

Iterates through block4 fields and return the first one whose name matches 71A, or null if none is found. The first occurrence of field 71A at MT103 is expected to be the only one.

Returns:

a Field71A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField71G

```
public Field71G getField71G()
```

Iterates through block4 fields and return the first one whose name matches 71G, or null if none is found. The first occurrence of field 71G at MT103 is expected to be the only one.

Returns:

a Field71G object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField72

```
public Field72 getField72()
```

Iterates through block4 fields and return the first one whose name matches 72, or null if none is found. The first occurrence of field 72 at MT103 is expected to be the only one.

Returns:

a Field72 object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField77B

```
public Field77B getField77B()
```

Iterates through block4 fields and return the first one whose name matches 77B, or null if none is found. The first occurrence of field 77B at MT103 is expected to be the only one.

Returns:

a Field77B object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

- ♦ ◊ **getField13C**

```
public java.util.List<Field13C> getField13C()
```

Iterates through block4 fields and return all occurrences of fields whose names matches 13C, or `Collections.emptyList()` if none is found. Multiple occurrences of field 13C at MT103 are expected at one sequence or across several sequences.

Returns:

a List of Field13C objects or `Collections.emptyList()` if none is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagsByName(String)`

◊ **getField23E**

```
public java.util.List<Field23E> getField23E()
```

Iterates through block4 fields and return all occurrences of fields whose names matches 23E, or `Collections.emptyList()` if none is found. Multiple occurrences of field 23E at MT103 are expected at one sequence or across several sequences.

Returns:

a List of Field23E objects or `Collections.emptyList()` if none is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagsByName(String)`

◊ **getField71F**

```
public java.util.List<Field71F> getField71F()
```

Iterates through block4 fields and return all occurrences of fields whose names matches 71F, or `Collections.emptyList()` if none is found. Multiple occurrences of field 71F at MT103 are expected at one sequence or across several sequences.

Returns:

a List of Field71F objects or `Collections.emptyList()` if none is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagsByName(String)`

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

SRU2024-10.2.8

- All Classes

- SEARCH:

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

- Detail:
- Field |
- Constr |
- Method

Package com.prowidesoftware.swift.model.mt.mt1xx

Class MT103_REMIT

- java.lang.Object
- ♦ com.prowidesoftware.swift.model.AbstractMessage
- ♦ ◊ com.prowidesoftware.swift.model.mt.AbstractMT
- ◊ · com.prowidesoftware.swift.model.mt.mt1xx.MT103_REMIT

- All Implemented Interfaces:
  JsonSerializable, java.io.Serializable

```
@Generated
public class MT103_REMIT
extends AbstractMT
implements java.io.Serializable
```

MT 103_REMIT - Single Customer Credit Transfer.

SWIFT MT103_REMIT (ISO 15022) message structure:

- Field 20 (M)
- Field 13 C (O) (repetitive)
- Field 23 B (M)
- Field 23 E (O) (repetitive)
- Field 26 T (O)
- Field 32 A (M)
- Field 33 B (O)
- Field 36 (O)
- Field 50 A,F,K (M)
- Field 51 A (O)
- Field 52 A,D (O)
- Field 53 A,B,D (O)
- Field 54 A,B,D (O)
- Field 55 A,B,D (O)
- Field 56 A,C,D (O)
- Field 57 A,B,C,D (O)
- Field 59 A,F,NONE (M)
- Field 71 A (M)
- Field 71 F (O) (repetitive)
- Field 71 G (O)
- Field 72 (O)
- Field 77 B (O)
- Field 77 T (M)

This source code is specific to release **SRU 2024**

For additional resources check https://www.prowidesoftware.com/resources

See Also:
Serialized Form

Field Summary

Fields

Modifier and Type	Field	Description
`static java.lang.String`	**NAME**	Constant for MT name, this is part of the classname, after MT.
`static int`	**SRU**	Constant identifying the SRU to which this class belongs to.

Fields inherited from class com.prowidesoftware.swift.model.mt.AbstractMT

m

Constructor Summary

Constructors

Constructor	Description

Constructor	Description
MT103_REMIT()	Creates and initializes a new MT103_REMIT input message setting TEST BICS as sender and receiver.
MT103_REMIT (MtSwiftMessage m)	Creates an MT103_REMIT initialized with the parameter MtSwiftMessage.
MT103_REMIT (SwiftMessage m)	Creates an MT103_REMIT initialized with the parameter SwiftMessage.
MT103_REMIT (java.io.File file)	Creates a new MT103_REMIT by parsing a file with the message content in its swift FIN format.
MT103_REMIT (java.io.InputStream stream)	Creates a new MT103_REMIT by parsing a input stream with the message content in its swift FIN format, using "UTF-8" as encoding.
MT103_REMIT (java.lang.String fin)	Creates a new MT103_REMIT by parsing a String with the message content in its swift FIN format.
MT103_REMIT (java.lang.String sender, java.lang.String receiver)	Creates and initializes a new MT103_REMIT input message from sender to receiver.

♦ Method Summary

All Methods Static Methods Instance Methods Concrete Methods

Modifier and Type	Method	Des
MT103_REMIT	**append (Field... fields)**	Add all the fie block4.
MT103_REMIT	**append (SwiftTagListBlock block)**	Add all tags fr of the block4.
MT103_REMIT	**append (Tag... tags)**	Add all tags to block4.
static MT103_REMIT	**fromJson (java.lang.String json)**	Creates an MT messages from representation
java.util.List<Field13C>	**getField13C()**	Iterates throug return all occu whose names

Modifier and Type	Method	Des
		Collectior if none is foun
Field20	**getField20()**	Iterates throug return the first matches 20, or found.
Field23B	**getField23B()**	Iterates throug return the first matches 23B, found.
java.util.List<Field23E>	**getField23E()**	Iterates throug return all occu whose names Collectior if none is foun
Field26T	**getField26T()**	Iterates throug return the first matches 26T, found.
Field32A	**getField32A()**	Iterates throug return the first matches 32A, found.
Field33B	**getField33B()**	Iterates throug return the first matches 33B, found.
Field36	**getField36()**	Iterates throug return the first matches 36, or found.
Field50A	**getField50A()**	Iterates throug return the first matches 50A, found.
Field50F	**getField50F()**	Iterates throug return the first matches 50F, found.
Field50K	**getField50K()**	Iterates throug return the first matches 50K, found.
Field51A	**getField51A()**	Iterates throug return the first matches 51A, found.

Modifier and Type	Method	Des
Field52A	**getField52A()**	Iterates throug return the first matches 52A, found.
Field52D	**getField52D()**	Iterates throug return the first matches 52D, found.
Field53A	**getField53A()**	Iterates throug return the first matches 53A, found.
Field53B	**getField53B()**	Iterates throug return the first matches 53B, found.
Field53D	**getField53D()**	Iterates throug return the first matches 53D, found.
Field54A	**getField54A()**	Iterates throug return the first matches 54A, found.
Field54B	**getField54B()**	Iterates throug return the first matches 54B, found.
Field54D	**getField54D()**	Iterates throug return the first matches 54D, found.
Field55A	**getField55A()**	Iterates throug return the first matches 55A, found.
Field55B	**getField55B()**	Iterates throug return the first matches 55B, found.
Field55D	**getField55D()**	Iterates throug return the first matches 55D, found.
Field56A	**getField56A()**	Iterates throug return the first matches 56A,

Modifier and Type	Method	Des
		found.
Field56C	**getField56C()**	Iterates throug return the first matches 56C, found.
Field56D	**getField56D()**	Iterates throug return the first matches 56D, found.
Field57A	**getField57A()**	Iterates throug return the first matches 57A, found.
Field57B	**getField57B()**	Iterates throug return the first matches 57B, found.
Field57C	**getField57C()**	Iterates throug return the first matches 57C, found.
Field57D	**getField57D()**	Iterates throug return the first matches 57D, found.
Field59	**getField59()**	Iterates throug return the first matches 59, or found.
Field59A	**getField59A()**	Iterates throug return the first matches 59A, found.
Field59F	**getField59F()**	Iterates throug return the first matches 59F, found.
Field71A	**getField71A()**	Iterates throug return the first matches 71A, found.
java.util.List<Field71F>	**getField71F()**	Iterates throug return all occu whose names Collection if none is foun
Field71G	**getField71G()**	

Modifier and Type	Method	Des
		Iterates throug return the first matches 71G, found.
Field72	**getField72()**	Iterates throug return the first matches 72, or found.
Field77B	**getField77B()**	Iterates throug return the first matches 77B, found.
Field77T	**getField77T()**	Iterates throug return the first matches 77T, found.
java.lang.String	**getMessageType()**	Returns this M
java.lang.String	**getUETR()**	Gets the Uniqu Transaction Re from block 3).
static MT103_REMIT	**parse (MtSwiftMessage m)**	Creates an MT initialized with MtSwiftMessa
static MT103_REMIT	**parse (java.io.File file)**	Creates a new parsing a file w content in its s
static MT103_REMIT	**parse (java.io.InputStream stream)**	Creates a new parsing a input message conte format, using encoding.
static MT103_REMIT	**parse (java.lang.String fin)**	Creates a new parsing a Strin content in its s

◊ Methods inherited from class com.prowidesoftware.swift.model.mt.AbstractMT

addField, containsSequence, containsSequenceList, create, create, getApplicationId, getFields, getLogicalTerminal, getMessagePriority, getMtId, getReceiver, getSender, getSequence, getSequence, getSequence, getSequenceList, getSequenceList, getSequenceNumber, getServiceId, getSessionNumber, getSignature, getSwiftMessage, getSwiftMessageNotNullOrException, getVariant, isIncoming, isInput, isOutgoing, isOutput, isType, message, nameFromClass, read, setReceiver, setReceiver, setSender, setSender, setSignature, setSwiftMessage, tag,

tags, toJson, toString, write, write, xml

◊ **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, wait, wait, wait

- ♦ **Field Detail**

◊ **SRU**

```
public static final int SRU
```

Constant identifying the SRU to which this class belongs to.
See Also:
Constant Field Values

◊ **NAME**

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

Constant for MT name, this is part of the classname, after MT.
See Also:
Constant Field Values

♦ **Constructor Detail**

◊ **MT103_REMIT**

```
public MT103_REMIT (SwiftMessage m)
```

Creates an MT103_REMIT initialized with the parameter SwiftMessage.
Parameters:
m - swift message with the MT103_REMIT content

◊ **MT103_REMIT**

```
public MT103_REMIT (MtSwiftMessage m)
```

Creates an MT103_REMIT initialized with the parameter MtSwiftMessage.
Parameters:
m - swift message with the MT103_REMIT content, the parameter can not be null
See Also:
MT103_REMIT(String)

◊ **MT103_REMIT**

```
public MT103_REMIT()
```

Creates and initializes a new MT103_REMIT input message setting TEST BICS as sender and receiver. All mandatory header attributes are completed with default

values.

Since:

7.6

◊ MT103_REMIT

```
public MT103_REMIT (java.lang.String sender,
                    java.lang.String receiver)
```

Creates and initializes a new MT103_REMIT input message from sender to receiver. All mandatory header attributes are completed with default values. In particular the sender and receiver addresses will be filled with proper default LT identifier and branch codes if not provided,

Parameters:

`sender` - the sender address as a bic8, bic11 or full logical terminal consisting of 12 characters

`receiver` - the receiver address as a bic8, bic11 or full logical terminal consisting of 12 characters

Since:

7.7

◊ MT103_REMIT

```
public MT103_REMIT (java.lang.String fin)
```

Creates a new MT103_REMIT by parsing a String with the message content in its swift FIN format. If the fin parameter is null or the message cannot be parsed, the internal message object will be initialized (blocks will be created) but empty. If the string contains multiple messages, only the first one will be parsed.

Parameters:

`fin` - a string with the MT message in its FIN swift format

Since:

7.7

◊ MT103_REMIT

```
public MT103_REMIT (java.io.InputStream stream)
            throws java.io.IOException
```

Creates a new MT103_REMIT by parsing a input stream with the message content in its swift FIN format, using "UTF-8" as encoding. If the message content is null or cannot be parsed, the internal message object will be initialized (blocks will be created) but empty. If the stream contains multiple messages, only the first one will be parsed.

Parameters:

`stream` - an input stream in UTF-8 encoding with the MT message in its FIN swift format.

Throws:

`java.io.IOException` - if the stream data cannot be read

Since:

7.7

◊ MT103_REMIT

```
public MT103_REMIT (java.io.File file)
            throws java.io.IOException
```

Creates a new MT103_REMIT by parsing a file with the message content in its swift FIN format. If the file content is null or cannot be parsed as a message, the internal message object will be initialized (blocks will be created) but empty. If the file contains multiple messages, only the first one will be parsed.
Parameters:
`file` - a file with the MT message in its FIN swift format.
Throws:
`java.io.IOException` - if the file content cannot be read
Since:
7.7

♦ Method Detail

◊ parse

```
public static MT103_REMIT parse (MtSwiftMessage m)
```

Creates an MT103_REMIT initialized with the parameter MtSwiftMessage.
Parameters:
`m` - swift message with the MT103_REMIT content
Returns:
the created object or null if the parameter is null
Since:
7.7
See Also:
`MT103_REMIT(String)`

◊ parse

```
public static MT103_REMIT parse (java.lang.String fin)
```

Creates a new MT103_REMIT by parsing a String with the message content in its swift FIN format. If the fin parameter cannot be parsed, the returned MT103_REMIT will have its internal message object initialized (blocks will be created) but empty. If the string contains multiple messages, only the first one will be parsed.
Parameters:
`fin` - a string with the MT message in its FIN swift format. *fin may be null in which case this method returns null*
Returns:
a new instance of MT103_REMIT or null if fin is null
Since:
7.7

◊ parse

```
public static MT103_REMIT parse (java.io.InputStream stream)
                          throws java.io.IOException
```

Creates a new MT103_REMIT by parsing a input stream with the message content in its swift FIN format, using "UTF-8" as encoding. If the stream contains multiple

messages, only the first one will be parsed.
Parameters:
`stream` - an input stream in UTF-8 encoding with the MT message in its FIN swift format.
Returns:
a new instance of MT103_REMIT or null if stream is null or the message cannot be parsed
Throws:
`java.io.IOException` - if the stream data cannot be read
Since:
7.7

◊ parse

```
public static MT103_REMIT parse (java.io.File file)
                          throws java.io.IOException
```

Creates a new MT103_REMIT by parsing a file with the message content in its swift FIN format. If the file contains multiple messages, only the first one will be parsed.
Parameters:
`file` - a file with the MT message in its FIN swift format.
Returns:
a new instance of MT103_REMIT or null if; file is null, does not exist, can't be read, is not a file or the message cannot be parsed
Throws:
`java.io.IOException` - if the file content cannot be read
Since:
7.7

◊ getMessageType

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

Returns this MT number.
Specified by:
`getMessageType` in class `AbstractMT`
Returns:
the message type number of this MT
Since:
6.4

◊ getUETR

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

Gets the Unique End to End Transaction Reference (field 121 from block 3).

This field is used by the SWIFT gpi service to track payments messages.

Returns:
the UETR value or null if block3 or field 121 in block3 are not present
Since:
7.10.0

◊ append

```
public MT103_REMIT append (SwiftTagListBlock block)
```

Add all tags from block to the end of the block4.
Overrides:
append in class AbstractMT
Parameters:
block - to append
Returns:
this object to allow method chaining
Since:
7.6

◊ append

```
public MT103_REMIT append (Tag... tags)
```

Add all tags to the end of the block4.
Overrides:
append in class AbstractMT
Parameters:
tags - to append
Returns:
this object to allow method chaining
Since:
7.6

◊ append

```
public MT103_REMIT append (Field... fields)
```

Add all the fields to the end of the block4.
Overrides:
append in class AbstractMT
Parameters:
fields - to append
Returns:
this object to allow method chaining
Since:
7.6

◊ fromJson

```
public static MT103_REMIT fromJson (java.lang.String json)
```

Creates an MT103_REMIT messages from its JSON representation.

For generic conversion of JSON into the corresponding MT instance see AbstractMT.fromJson(String)

Parameters:
json - a JSON representation of an MT103_REMIT message
Returns:

a new instance of MT103_REMIT

Since:

7.10.3

◊ getField20

```
public Field20 getField20()
```

Iterates through block4 fields and return the first one whose name matches 20, or null if none is found. The first occurrence of field 20 at MT103_REMIT is expected to be the only one.

Returns:

a Field20 object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField23B

```
public Field23B getField23B()
```

Iterates through block4 fields and return the first one whose name matches 23B, or null if none is found. The first occurrence of field 23B at MT103_REMIT is expected to be the only one.

Returns:

a Field23B object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField26T

```
public Field26T getField26T()
```

Iterates through block4 fields and return the first one whose name matches 26T, or null if none is found. The first occurrence of field 26T at MT103_REMIT is expected to be the only one.

Returns:

a Field26T object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField32A

```
public Field32A getField32A()
```

Iterates through block4 fields and return the first one whose name matches 32A, or null if none is found. The first occurrence of field 32A at MT103_REMIT is expected

to be the only one.
Returns:
a Field32A object or null if the field is not found
Throws:
`java.lang.IllegalStateException` - if SwiftMessage object is not initialized
See Also:
`SwiftTagListBlock.getTagByName(String)`

◊ getField33B

```
public Field33B getField33B()
```

Iterates through block4 fields and return the first one whose name matches 33B, or null if none is found. The first occurrence of field 33B at MT103_REMIT is expected to be the only one.
Returns:
a Field33B object or null if the field is not found
Throws:
`java.lang.IllegalStateException` - if SwiftMessage object is not initialized
See Also:
`SwiftTagListBlock.getTagByName(String)`

◊ getField36

```
public Field36 getField36()
```

Iterates through block4 fields and return the first one whose name matches 36, or null if none is found. The first occurrence of field 36 at MT103_REMIT is expected to be the only one.
Returns:
a Field36 object or null if the field is not found
Throws:
`java.lang.IllegalStateException` - if SwiftMessage object is not initialized
See Also:
`SwiftTagListBlock.getTagByName(String)`

◊ getField50A

```
public Field50A getField50A()
```

Iterates through block4 fields and return the first one whose name matches 50A, or null if none is found. The first occurrence of field 50A at MT103_REMIT is expected to be the only one.
Returns:
a Field50A object or null if the field is not found
Throws:
`java.lang.IllegalStateException` - if SwiftMessage object is not initialized
See Also:
`SwiftTagListBlock.getTagByName(String)`

◊ getField50F

```
public Field50F getField50F()
```

Iterates through block4 fields and return the first one whose name matches 50F, or null if none is found. The first occurrence of field 50F at MT103_REMIT is expected to be the only one.

Returns:

a Field50F object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField50K

```
public Field50K getField50K()
```

Iterates through block4 fields and return the first one whose name matches 50K, or null if none is found. The first occurrence of field 50K at MT103_REMIT is expected to be the only one.

Returns:

a Field50K object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField51A

```
public Field51A getField51A()
```

Iterates through block4 fields and return the first one whose name matches 51A, or null if none is found. The first occurrence of field 51A at MT103_REMIT is expected to be the only one.

Returns:

a Field51A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField52A

```
public Field52A getField52A()
```

Iterates through block4 fields and return the first one whose name matches 52A, or null if none is found. The first occurrence of field 52A at MT103_REMIT is expected to be the only one.

Returns:

a Field52A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField52D

```
public Field52D getField52D()
```

Iterates through block4 fields and return the first one whose name matches 52D, or null if none is found. The first occurrence of field 52D at MT103_REMIT is expected to be the only one.

Returns:

a Field52D object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField53A

```
public Field53A getField53A()
```

Iterates through block4 fields and return the first one whose name matches 53A, or null if none is found. The first occurrence of field 53A at MT103_REMIT is expected to be the only one.

Returns:

a Field53A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField53B

```
public Field53B getField53B()
```

Iterates through block4 fields and return the first one whose name matches 53B, or null if none is found. The first occurrence of field 53B at MT103_REMIT is expected to be the only one.

Returns:

a Field53B object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField53D

```
public Field53D getField53D()
```

Iterates through block4 fields and return the first one whose name matches 53D, or null if none is found. The first occurrence of field 53D at MT103_REMIT is expected to be the only one.

Returns:

a Field53D object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField54A

```
public Field54A getField54A()
```

Iterates through block4 fields and return the first one whose name matches 54A, or null if none is found. The first occurrence of field 54A at MT103_REMIT is expected to be the only one.

Returns:

a Field54A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField54B

```
public Field54B getField54B()
```

Iterates through block4 fields and return the first one whose name matches 54B, or null if none is found. The first occurrence of field 54B at MT103_REMIT is expected to be the only one.

Returns:

a Field54B object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField54D

```
public Field54D getField54D()
```

Iterates through block4 fields and return the first one whose name matches 54D, or null if none is found. The first occurrence of field 54D at MT103_REMIT is expected to be the only one.

Returns:

a Field54D object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField55A

```
public Field55A getField55A()
```

Iterates through block4 fields and return the first one whose name matches 55A, or null if none is found. The first occurrence of field 55A at MT103_REMIT is expected to be the only one.

Returns:

a Field55A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField55B

```
public Field55B getField55B()
```

Iterates through block4 fields and return the first one whose name matches 55B, or null if none is found. The first occurrence of field 55B at MT103_REMIT is expected to be the only one.

Returns:

a Field55B object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField55D

```
public Field55D getField55D()
```

Iterates through block4 fields and return the first one whose name matches 55D, or null if none is found. The first occurrence of field 55D at MT103_REMIT is expected to be the only one.

Returns:

a Field55D object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField56A

```
public Field56A getField56A()
```

Iterates through block4 fields and return the first one whose name matches 56A, or null if none is found. The first occurrence of field 56A at MT103_REMIT is expected to be the only one.

Returns:

a Field56A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField56C

```
public Field56C getField56C()
```

Iterates through block4 fields and return the first one whose name matches 56C, or null if none is found. The first occurrence of field 56C at MT103_REMIT is expected to be the only one.

Returns:

a Field56C object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField56D

```
public Field56D getField56D()
```

Iterates through block4 fields and return the first one whose name matches 56D, or null if none is found. The first occurrence of field 56D at MT103_REMIT is expected to be the only one.

Returns:

a Field56D object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField57A

```
public Field57A getField57A()
```

Iterates through block4 fields and return the first one whose name matches 57A, or null if none is found. The first occurrence of field 57A at MT103_REMIT is expected to be the only one.

Returns:

a Field57A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField57B

```
public Field57B getField57B()
```

Iterates through block4 fields and return the first one whose name matches 57B, or null if none is found. The first occurrence of field 57B at MT103_REMIT is expected to be the only one.

Returns:

a Field57B object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField57C

```
public Field57C getField57C()
```

Iterates through block4 fields and return the first one whose name matches 57C, or null if none is found. The first occurrence of field 57C at MT103_REMIT is expected to be the only one.

Returns:

a Field57C object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField57D

```
public Field57D getField57D()
```

Iterates through block4 fields and return the first one whose name matches 57D, or null if none is found. The first occurrence of field 57D at MT103_REMIT is expected to be the only one.

Returns:

a Field57D object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField59A

```
public Field59A getField59A()
```

Iterates through block4 fields and return the first one whose name matches 59A, or null if none is found. The first occurrence of field 59A at MT103_REMIT is expected to be the only one.

Returns:

a Field59A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField59F

```
public Field59F getField59F()
```

Iterates through block4 fields and return the first one whose name matches 59F, or null if none is found. The first occurrence of field 59F at MT103_REMIT is expected to be the only one.

Returns:

a Field59F object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField59

```
public Field59 getField59()
```

Iterates through block4 fields and return the first one whose name matches 59, or null if none is found. The first occurrence of field 59 at MT103_REMIT is expected to be the only one.

Returns:

a Field59 object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField71A

```
public Field71A getField71A()
```

Iterates through block4 fields and return the first one whose name matches 71A, or null if none is found. The first occurrence of field 71A at MT103_REMIT is expected to be the only one.

Returns:

a Field71A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField71G

```
public Field71G getField71G()
```

Iterates through block4 fields and return the first one whose name matches 71G, or null if none is found. The first occurrence of field 71G at MT103_REMIT is expected to be the only one.

Returns:

a Field71G object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField72

```
public Field72 getField72()
```

Iterates through block4 fields and return the first one whose name matches 72, or null if none is found. The first occurrence of field 72 at MT103_REMIT is expected to be the only one.

Returns:

a Field72 object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField77B

```
public Field77B getField77B()
```

Iterates through block4 fields and return the first one whose name matches 77B, or null if none is found. The first occurrence of field 77B at MT103_REMIT is expected to be the only one.

Returns:

a Field77B object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField77T

```
public Field77T getField77T()
```

Iterates through block4 fields and return the first one whose name matches 77T, or null if none is found. The first occurrence of field 77T at MT103_REMIT is expected to be the only one.

Returns:

a Field77T object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField13C

```
public java.util.List<Field13C> getField13C()
```

Iterates through block4 fields and return all occurrences of fields whose names matches 13C, or `Collections.emptyList()` if none is found. Multiple occurrences of field 13C at MT103_REMIT are expected at one sequence or across several sequences.

Returns:

a List of Field13C objects or `Collections.emptyList()` if none is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagsByName(String)`

◊ getField23E

```
public java.util.List<Field23E> getField23E()
```

Iterates through block4 fields and return all occurrences of fields whose names matches 23E, or `Collections.emptyList()` if none is found. Multiple occurrences of field 23E at MT103_REMIT are expected at one sequence or across several sequences.

Returns:

a List of Field23E objects or `Collections.emptyList()` if none is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagsByName(String)`

◊ getField71F

```
public java.util.List<Field71F> getField71F()
```

Iterates through block4 fields and return all occurrences of fields whose names

matches 71F, or `Collections.emptyList()` if none is found. Multiple occurrences of field 71F at MT103_REMIT are expected at one sequence or across several sequences.

Returns:

a List of Field71F objects or `Collections.emptyList()` if none is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagsByName(String)`

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

SRU2024-10.2.8

- All Classes

- SEARCH:

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

- Detail:
- Field |
- Constr |
- Method

Package com.prowidesoftware.swift.model.mt.mt1xx

Class MT103_STP

- java.lang.Object
- ♦ com.prowidesoftware.swift.model.AbstractMessage
- ♦ ◊ com.prowidesoftware.swift.model.mt.AbstractMT
- ◊ · com.prowidesoftware.swift.model.mt.mt1xx.MT103_STP

- All Implemented Interfaces:
  JsonSerializable, java.io.Serializable

```
@Generated
public class MT103_STP
extends AbstractMT
implements java.io.Serializable
```

MT 103_STP - Single Customer Credit Transfer.

SWIFT MT103_STP (ISO 15022) message structure:

- Field 20 (M)
- Field 13 C (O) (repetitive)
- Field 23 B (M)
- Field 23 E (O) (repetitive)
- Field 26 T (O)
- Field 32 A (M)
- Field 33 B (O)
- Field 36 (O)
- Field 50 A,F,K (M)
- Field 52 A (O)
- Field 53 A,B (O)
- Field 54 A (O)
- Field 55 A (O)
- Field 56 A (O)
- Field 57 A (O)
- Field 59 A,F,NONE (M)
- Field 70 (O)
- Field 71 A (M)
- Field 71 F (O) (repetitive)
- Field 71 G (O)
- Field 72 (O)
- Field 77 B (O)

This source code is specific to release **SRU 2024**

For additional resources check https://www.prowidesoftware.com/resources

See Also:
Serialized Form

- ♦ **Field Summary**

Fields

Modifier and Type	Field	Description
`static java.lang.String`	**NAME**	Constant for MT name, this is part of the classname, after MT.
`static int`	**SRU**	Constant identifying the SRU to which this class belongs to.

◊ **Fields inherited from class com.prowidesoftware.swift.model.mt.AbstractMT**

m

♦ **Constructor Summary**

Constructors

Constructor	Description
MT103_STP()	

Constructor	Description
	Creates and initializes a new MT103_STP input message setting TEST BICS as sender and receiver.
MT103_STP (MtSwiftMessage m)	Creates an MT103_STP initialized with the parameter MtSwiftMessage.
MT103_STP (SwiftMessage m)	Creates an MT103_STP initialized with the parameter SwiftMessage.
MT103_STP (java.io.File file)	Creates a new MT103_STP by parsing a file with the message content in its swift FIN format.
MT103_STP (java.io.InputStream stream)	Creates a new MT103_STP by parsing a input stream with the message content in its swift FIN format, using "UTF-8" as encoding.
MT103_STP (java.lang.String fin)	Creates a new MT103_STP by parsing a String with the message content in its swift FIN format.
MT103_STP (java.lang.String sender, java.lang.String receiver)	Creates and initializes a new MT103_STP input message from sender to receiver.

♦ Method Summary

All Methods Static Methods Instance Methods Concrete Methods

Modifier and Type	Method	Des
MT103_STP	**append (Field... fields)**	Add all the fie block4.
MT103_STP	**append (SwiftTagListBlock block)**	Add all tags fr of the block4.
MT103_STP	**append (Tag... tags)**	Add all tags to block4.
static MT103_STP	**fromJson (java.lang.String json)**	Creates an MT from its JSON
java.util.List<Field13C>	**getField13C()**	Iterates throug return all occu whose names Collectior if none is foun
Field20	**getField20()**	Iterates throug return the first matches 20, o

Modifier and Type	Method	Des
		found.
Field23B	**getField23B()**	Iterates throug return the first matches 23B, found.
java.util.List<Field23E>	**getField23E()**	Iterates throug return all occu whose names Collectior if none is foun
Field26T	**getField26T()**	Iterates throug return the first matches 26T, found.
Field32A	**getField32A()**	Iterates throug return the first matches 32A, found.
Field33B	**getField33B()**	Iterates throug return the first matches 33B, found.
Field36	**getField36()**	Iterates throug return the first matches 36, or found.
Field50A	**getField50A()**	Iterates throug return the first matches 50A, found.
Field50F	**getField50F()**	Iterates throug return the first matches 50F, found.
Field50K	**getField50K()**	Iterates throug return the first matches 50K, found.
Field52A	**getField52A()**	Iterates throug return the first matches 52A, found.
Field53A	**getField53A()**	Iterates throug return the first matches 53A, found.
Field53B	**getField53B()**	

Modifier and Type	Method	Des
		Iterates throug return the first matches 53B, found.
Field54A	**getField54A()**	Iterates throug return the first matches 54A, found.
Field55A	**getField55A()**	Iterates throug return the first matches 55A, found.
Field56A	**getField56A()**	Iterates throug return the first matches 56A, found.
Field57A	**getField57A()**	Iterates throug return the first matches 57A, found.
Field59	**getField59()**	Iterates throug return the first matches 59, o found.
Field59A	**getField59A()**	Iterates throug return the first matches 59A, found.
Field59F	**getField59F()**	Iterates throug return the first matches 59F, found.
Field70	**getField70()**	Iterates throug return the first matches 70, o found.
Field71A	**getField71A()**	Iterates throug return the first matches 71A, found.
java.util.List<Field71F>	**getField71F()**	Iterates throug return all occu whose names Collectio if none is foun
Field71G	**getField71G()**	Iterates throug return the first

Modifier and Type	Method	Des
		matches 71G, found.
Field72	**getField72()**	Iterates throug return the first matches 72, or found.
Field77B	**getField77B()**	Iterates throug return the first matches 77B, found.
java.lang.String	**getMessageType()**	Returns this M
java.lang.String	**getUETR()**	Gets the Uniqu Transaction R from block 3).
static MT103_STP	**parse (MtSwiftMessage m)**	Creates an MT initialized with MtSwiftMessa
static MT103_STP	**parse (java.io.File file)**	Creates a new parsing a file v content in its s
static MT103_STP	**parse (java.io.InputStream stream)**	Creates a new parsing a inpu message conte format, using encoding.
static MT103_STP	**parse (java.lang.String fin)**	Creates a new parsing a Strin content in its s

◊ Methods inherited from class com.prowidesoftware.swift.model.mt.AbstractMT

addField, containsSequence, containsSequenceList, create, create, getApplicationId, getFields, getLogicalTerminal, getMessagePriority, getMtId, getReceiver, getSender, getSequence, getSequence, getSequence, getSequenceList, getSequenceList, getSequenceNumber, getServiceId, getSessionNumber, getSignature, getSwiftMessage, getSwiftMessageNotNullOrException, getVariant, isIncoming, isInput, isOutgoing, isOutput, isType, message, nameFromClass, read, setReceiver, setReceiver, setSender, setSender, setSignature, setSwiftMessage, tag, tags, toJson, toString, write, write, xml

◊ 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, wait, wait, wait`

♦ Field Detail

◊ SRU

```
public static final int SRU
```

Constant identifying the SRU to which this class belongs to.
See Also:
Constant Field Values

◊ NAME

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

Constant for MT name, this is part of the classname, after MT.
See Also:
Constant Field Values

♦ Constructor Detail

◊ MT103_STP

```
public MT103_STP (SwiftMessage m)
```

Creates an MT103_STP initialized with the parameter SwiftMessage.
Parameters:
`m` - swift message with the MT103_STP content

◊ MT103_STP

```
public MT103_STP (MtSwiftMessage m)
```

Creates an MT103_STP initialized with the parameter MtSwiftMessage.
Parameters:
`m` - swift message with the MT103_STP content, the parameter can not be null
See Also:
`MT103_STP(String)`

◊ MT103_STP

```
public MT103_STP()
```

Creates and initializes a new MT103_STP input message setting TEST BICS as sender and receiver. All mandatory header attributes are completed with default values.
Since:
7.6

◊ MT103_STP

```
public MT103_STP (java.lang.String sender,
                  java.lang.String receiver)
```

Creates and initializes a new MT103_STP input message from sender to receiver. All mandatory header attributes are completed with default values. In particular the sender and receiver addresses will be filled with proper default LT identifier and branch codes if not provided,

Parameters:

`sender` - the sender address as a bic8, bic11 or full logical terminal consisting of 12 characters

`receiver` - the receiver address as a bic8, bic11 or full logical terminal consisting of 12 characters

Since:

7.7

◊ MT103_STP

```
public MT103_STP (java.lang.String fin)
```

Creates a new MT103_STP by parsing a String with the message content in its swift FIN format. If the fin parameter is null or the message cannot be parsed, the internal message object will be initialized (blocks will be created) but empty. If the string contains multiple messages, only the first one will be parsed.

Parameters:

`fin` - a string with the MT message in its FIN swift format

Since:

7.7

◊ MT103_STP

```
public MT103_STP (java.io.InputStream stream)
          throws java.io.IOException
```

Creates a new MT103_STP by parsing a input stream with the message content in its swift FIN format, using "UTF-8" as encoding. If the message content is null or cannot be parsed, the internal message object will be initialized (blocks will be created) but empty. If the stream contains multiple messages, only the first one will be parsed.

Parameters:

`stream` - an input stream in UTF-8 encoding with the MT message in its FIN swift format.

Throws:

`java.io.IOException` - if the stream data cannot be read

Since:

7.7

◊ MT103_STP

```
public MT103_STP (java.io.File file)
          throws java.io.IOException
```

Creates a new MT103_STP by parsing a file with the message content in its swift FIN format. If the file content is null or cannot be parsed as a message, the internal message object will be initialized (blocks will be created) but empty. If the file

contains multiple messages, only the first one will be parsed.
Parameters:
`file` - a file with the MT message in its FIN swift format.
Throws:
`java.io.IOException` - if the file content cannot be read
Since:
7.7

♦ Method Detail

◊ parse

```
public static MT103_STP parse (MtSwiftMessage m)
```

Creates an MT103_STP initialized with the parameter MtSwiftMessage.
Parameters:
`m` - swift message with the MT103_STP content
Returns:
the created object or null if the parameter is null
Since:
7.7
See Also:
`MT103_STP(String)`

◊ parse

```
public static MT103_STP parse (java.lang.String fin)
```

Creates a new MT103_STP by parsing a String with the message content in its swift FIN format. If the fin parameter cannot be parsed, the returned MT103_STP will have its internal message object initialized (blocks will be created) but empty. If the string contains multiple messages, only the first one will be parsed.
Parameters:
`fin` - a string with the MT message in its FIN swift format. *fin may be null in which case this method returns null*
Returns:
a new instance of MT103_STP or null if fin is null
Since:
7.7

◊ parse

```
public static MT103_STP parse (java.io.InputStream stream)
                        throws java.io.IOException
```

Creates a new MT103_STP by parsing a input stream with the message content in its swift FIN format, using "UTF-8" as encoding. If the stream contains multiple messages, only the first one will be parsed.
Parameters:
`stream` - an input stream in UTF-8 encoding with the MT message in its FIN swift format.
Returns:
a new instance of MT103_STP or null if stream is null or the message cannot be parsed

Throws:
`java.io.IOException` - if the stream data cannot be read
Since:
7.7

◊ parse

```
public static MT103_STP parse (java.io.File file)
                        throws java.io.IOException
```

Creates a new MT103_STP by parsing a file with the message content in its swift FIN format. If the file contains multiple messages, only the first one will be parsed.
Parameters:
`file` - a file with the MT message in its FIN swift format.
Returns:
a new instance of MT103_STP or null if; file is null, does not exist, can't be read, is not a file or the message cannot be parsed
Throws:
`java.io.IOException` - if the file content cannot be read
Since:
7.7

◊ getMessageType

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

Returns this MT number.
Specified by:
`getMessageType` in class `AbstractMT`
Returns:
the message type number of this MT
Since:
6.4

◊ getUETR

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

Gets the Unique End to End Transaction Reference (field 121 from block 3).

This field is used by the SWIFT gpi service to track payments messages.

Returns:
the UETR value or null if block3 or field 121 in block3 are not present
Since:
7.10.0

◊ append

```
public MT103_STP append (SwiftTagListBlock block)
```

Add all tags from block to the end of the block4.
Overrides:
`append` in class `AbstractMT`
Parameters:
`block` - to append

Returns:
this object to allow method chaining
Since:
7.6

◊ append

```
public MT103_STP append (Tag... tags)
```

Add all tags to the end of the block4.
Overrides:
append in class AbstractMT
Parameters:
tags - to append
Returns:
this object to allow method chaining
Since:
7.6

◊ append

```
public MT103_STP append (Field... fields)
```

Add all the fields to the end of the block4.
Overrides:
append in class AbstractMT
Parameters:
fields - to append
Returns:
this object to allow method chaining
Since:
7.6

◊ fromJson

```
public static MT103_STP fromJson (java.lang.String json)
```

Creates an MT103_STP messages from its JSON representation.

For generic conversion of JSON into the corresponding MT instance see AbstractMT.fromJson(String)

Parameters:
json - a JSON representation of an MT103_STP message
Returns:
a new instance of MT103_STP
Since:
7.10.3

◊ getField20

```
public Field20 getField20()
```

Iterates through block4 fields and return the first one whose name matches 20, or null if none is found. The first occurrence of field 20 at MT103_STP is expected to be the

only one.
Returns:
a Field20 object or null if the field is not found
Throws:
`java.lang.IllegalStateException` - if SwiftMessage object is not initialized
See Also:
`SwiftTagListBlock.getTagByName(String)`

◊ getField23B

```
public Field23B getField23B()
```

Iterates through block4 fields and return the first one whose name matches 23B, or null if none is found. The first occurrence of field 23B at MT103_STP is expected to be the only one.
Returns:
a Field23B object or null if the field is not found
Throws:
`java.lang.IllegalStateException` - if SwiftMessage object is not initialized
See Also:
`SwiftTagListBlock.getTagByName(String)`

◊ getField26T

```
public Field26T getField26T()
```

Iterates through block4 fields and return the first one whose name matches 26T, or null if none is found. The first occurrence of field 26T at MT103_STP is expected to be the only one.
Returns:
a Field26T object or null if the field is not found
Throws:
`java.lang.IllegalStateException` - if SwiftMessage object is not initialized
See Also:
`SwiftTagListBlock.getTagByName(String)`

◊ getField32A

```
public Field32A getField32A()
```

Iterates through block4 fields and return the first one whose name matches 32A, or null if none is found. The first occurrence of field 32A at MT103_STP is expected to be the only one.
Returns:
a Field32A object or null if the field is not found
Throws:
`java.lang.IllegalStateException` - if SwiftMessage object is not initialized
See Also:
`SwiftTagListBlock.getTagByName(String)`

◊ getField33B

```
public Field33B getField33B()
```

Iterates through block4 fields and return the first one whose name matches 33B, or null if none is found. The first occurrence of field 33B at MT103_STP is expected to be the only one.

Returns:

a Field33B object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField36

```
public Field36 getField36()
```

Iterates through block4 fields and return the first one whose name matches 36, or null if none is found. The first occurrence of field 36 at MT103_STP is expected to be the only one.

Returns:

a Field36 object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField50A

```
public Field50A getField50A()
```

Iterates through block4 fields and return the first one whose name matches 50A, or null if none is found. The first occurrence of field 50A at MT103_STP is expected to be the only one.

Returns:

a Field50A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField50F

```
public Field50F getField50F()
```

Iterates through block4 fields and return the first one whose name matches 50F, or null if none is found. The first occurrence of field 50F at MT103_STP is expected to be the only one.

Returns:

a Field50F object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField50K

```
public Field50K getField50K()
```

Iterates through block4 fields and return the first one whose name matches 50K, or null if none is found. The first occurrence of field 50K at MT103_STP is expected to be the only one.

Returns:

a Field50K object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField52A

```
public Field52A getField52A()
```

Iterates through block4 fields and return the first one whose name matches 52A, or null if none is found. The first occurrence of field 52A at MT103_STP is expected to be the only one.

Returns:

a Field52A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField53A

```
public Field53A getField53A()
```

Iterates through block4 fields and return the first one whose name matches 53A, or null if none is found. The first occurrence of field 53A at MT103_STP is expected to be the only one.

Returns:

a Field53A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField53B

```
public Field53B getField53B()
```

Iterates through block4 fields and return the first one whose name matches 53B, or null if none is found. The first occurrence of field 53B at MT103_STP is expected to be the only one.

Returns:

a Field53B object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField54A

```
public Field54A getField54A()
```

Iterates through block4 fields and return the first one whose name matches 54A, or null if none is found. The first occurrence of field 54A at MT103_STP is expected to be the only one.

Returns:

a Field54A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField55A

```
public Field55A getField55A()
```

Iterates through block4 fields and return the first one whose name matches 55A, or null if none is found. The first occurrence of field 55A at MT103_STP is expected to be the only one.

Returns:

a Field55A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField56A

```
public Field56A getField56A()
```

Iterates through block4 fields and return the first one whose name matches 56A, or null if none is found. The first occurrence of field 56A at MT103_STP is expected to be the only one.

Returns:

a Field56A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField57A

```
public Field57A getField57A()
```

Iterates through block4 fields and return the first one whose name matches 57A, or null if none is found. The first occurrence of field 57A at MT103_STP is expected to be the only one.

Returns:

a Field57A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField59A

```
public Field59A getField59A()
```

Iterates through block4 fields and return the first one whose name matches 59A, or null if none is found. The first occurrence of field 59A at MT103_STP is expected to be the only one.

Returns:

a Field59A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField59F

```
public Field59F getField59F()
```

Iterates through block4 fields and return the first one whose name matches 59F, or null if none is found. The first occurrence of field 59F at MT103_STP is expected to be the only one.

Returns:

a Field59F object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField59

```
public Field59 getField59()
```

Iterates through block4 fields and return the first one whose name matches 59, or null if none is found. The first occurrence of field 59 at MT103_STP is expected to be the only one.

Returns:

a Field59 object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField70

```
public Field70 getField70()
```

Iterates through block4 fields and return the first one whose name matches 70, or null if none is found. The first occurrence of field 70 at MT103_STP is expected to be the only one.

Returns:

a Field70 object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField71A

```
public Field71A getField71A()
```

Iterates through block4 fields and return the first one whose name matches 71A, or null if none is found. The first occurrence of field 71A at MT103_STP is expected to be the only one.

Returns:

a Field71A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField71G

```
public Field71G getField71G()
```

Iterates through block4 fields and return the first one whose name matches 71G, or null if none is found. The first occurrence of field 71G at MT103_STP is expected to be the only one.

Returns:

a Field71G object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField72

```
public Field72 getField72()
```

Iterates through block4 fields and return the first one whose name matches 72, or null if none is found. The first occurrence of field 72 at MT103_STP is expected to be the only one.

Returns:

a Field72 object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField77B

```
public Field77B getField77B()
```

Iterates through block4 fields and return the first one whose name matches 77B, or null if none is found. The first occurrence of field 77B at MT103_STP is expected to be the only one.

Returns:

a Field77B object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField13C

```
public java.util.List<Field13C> getField13C()
```

Iterates through block4 fields and return all occurrences of fields whose names matches 13C, or `Collections.emptyList()` if none is found. Multiple occurrences of field 13C at MT103_STP are expected at one sequence or across several sequences.

Returns:

a List of Field13C objects or `Collections.emptyList()` if none is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagsByName(String)`

◊ getField23E

```
public java.util.List<Field23E> getField23E()
```

Iterates through block4 fields and return all occurrences of fields whose names matches 23E, or `Collections.emptyList()` if none is found. Multiple occurrences of field 23E at MT103_STP are expected at one sequence or across several sequences.

Returns:

a List of Field23E objects or `Collections.emptyList()` if none is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagsByName(String)`

◊ getField71F

```
public java.util.List<Field71F> getField71F()
```

Iterates through block4 fields and return all occurrences of fields whose names matches 71F, or `Collections.emptyList()` if none is found. Multiple occurrences of field 71F at MT103_STP are expected at one sequence or across several sequences.

Returns:

a List of Field71F objects or `Collections.emptyList()` if none is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagsByName(String)`

- Field |
- Constr |
- Method

- Detail:
- Field |
- Constr |
- Method

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

SRU2024-10.2.8

- All Classes

- SEARCH:

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

- Detail:
- Field |
- Constr |
- Method

Package com.prowidesoftware.swift.model.mt.mt2xx

Class MT202

- java.lang.Object
- ♦ com.prowidesoftware.swift.model.AbstractMessage
- ♦ ◊ com.prowidesoftware.swift.model.mt.AbstractMT
- ◊ · com.prowidesoftware.swift.model.mt.mt2xx.MT202

- All Implemented Interfaces:
JsonSerializable, java.io.Serializable

```
@Generated
public class MT202
extends AbstractMT
implements java.io.Serializable
```

MT 202 - General Financial Institution Transfer.

SWIFT MT202 (ISO 15022) message structure:

- Field 20 (M)
- Field 21 (M)
- Field 13 C (O) (repetitive)
- Field 32 A (M)
- Field 52 A,D (O)
- Field 53 A,B,D (O)
- Field 54 A,B,D (O)
- Field 56 A,D (O)
- Field 57 A,B,D (O)
- Field 58 A,D (M)
- Field 72 (O)

This source code is specific to release **SRU 2024**

For additional resources check https://www.prowidesoftware.com/resources

See Also:
Serialized Form

Field Summary

Fields

Modifier and Type	Field	Description
`static java.lang.String`	**NAME**	Constant for MT name, this is part of the classname, after MT.
`static int`	**SRU**	Constant identifying the SRU to which this class belongs to.

Fields inherited from class com.prowidesoftware.swift.model.mt.AbstractMT

m

Constructor Summary

Constructors

Constructor	Description
MT202()	Creates and initializes a new MT202 input message setting TEST BICS as sender and receiver.
MT202 (MtSwiftMessage m)	Creates an MT202 initialized with the parameter MtSwiftMessage.
MT202 (SwiftMessage m)	Creates an MT202 initialized with the parameter SwiftMessage.
MT202 (java.io.File file)	Creates a new MT202 by parsing a file with the message content in its swift FIN format.
MT202 (java.io.InputStream stream)	

Constructor	Description
	Creates a new MT202 by parsing a input stream with the message content in its swift FIN format, using "UTF-8" as encoding.
MT202 (java.lang.String fin)	Creates a new MT202 by parsing a String with the message content in its swift FIN format.
MT202 (java.lang.String sender, java.lang.String receiver)	Creates and initializes a new MT202 input message from sender to receiver.

♦ Method Summary

All Methods Static Methods Instance Methods Concrete Methods

Modifier and Type	Method	Des
MT202	**append (Field... fields)**	Add all the fie block4.
MT202	**append (SwiftTagListBlock block)**	Add all tags fr of the block4.
MT202	**append (Tag... tags)**	Add all tags to block4.
static MT202	**fromJson (java.lang.String json)**	Creates an MT its JSON repre
java.util.List<Field13C>	**getField13C()**	Iterates throug return all occu whose names Collectior if none is foun
Field20	**getField20()**	Iterates throug return the first matches 20, or found.
Field21	**getField21()**	Iterates throug return the first matches 21, or found.
Field32A	**getField32A()**	Iterates throug return the first matches 32A, found.
Field52A	**getField52A()**	Iterates throug return the first matches 52A, found.
Field52D	**getField52D()**	Iterates throug return the first

Modifier and Type	Method	Des
		matches 52D, found.
Field53A	**getField53A()**	Iterates throug return the first matches 53A, found.
Field53B	**getField53B()**	Iterates throug return the first matches 53B, found.
Field53D	**getField53D()**	Iterates throug return the first matches 53D, found.
Field54A	**getField54A()**	Iterates throug return the first matches 54A, found.
Field54B	**getField54B()**	Iterates throug return the first matches 54B, found.
Field54D	**getField54D()**	Iterates throug return the first matches 54D, found.
Field56A	**getField56A()**	Iterates throug return the first matches 56A, found.
Field56D	**getField56D()**	Iterates throug return the first matches 56D, found.
Field57A	**getField57A()**	Iterates throug return the first matches 57A, found.
Field57B	**getField57B()**	Iterates throug return the first matches 57B, found.
Field57D	**getField57D()**	Iterates throug return the first matches 57D, found.
Field58A	**getField58A()**	

Modifier and Type	Method	Des
		Iterates throug return the first matches 58A, found.
Field58D	**getField58D()**	Iterates throug return the first matches 58D, found.
Field72	**getField72()**	Iterates throug return the first matches 72, or found.
java.lang.String	**getMessageType()**	Returns this M
java.lang.String	**getUETR()**	Gets the Uniqu Transaction R from block 3).
static MT202	**parse (MtSwiftMessage m)**	Creates an MT the parameter
static MT202	**parse (java.io.File file)**	Creates a new a file with the its swift FIN f
static MT202	**parse (java.io.InputStream stream)**	Creates a new a input stream content in its s using "UTF-8"
static MT202	**parse (java.lang.String fin)**	Creates a new a String with t in its swift FIN

◊ Methods inherited from class com.prowidesoftware.swift.model.mt.AbstractMT

addField, containsSequence, containsSequenceList, create, create, getApplicationId, getFields, getLogicalTerminal, getMessagePriority, getMtId, getReceiver, getSender, getSequence, getSequence, getSequence, getSequenceList, getSequenceList, getSequenceNumber, getServiceId, getSessionNumber, getSignature, getSwiftMessage, getSwiftMessageNotNullOrException, getVariant, isIncoming, isInput, isOutgoing, isOutput, isType, message, nameFromClass, read, setReceiver, setReceiver, setSender, setSender, setSignature, setSwiftMessage, tag, tags, toJson, toString, write, write, xml

◊ 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, wait, wait, wait`

• ♦ Field Detail

◊ SRU

```
public static final int SRU
```

Constant identifying the SRU to which this class belongs to.
See Also:
Constant Field Values

◊ NAME

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

Constant for MT name, this is part of the classname, after MT.
See Also:
Constant Field Values

♦ Constructor Detail

◊ MT202

```
public MT202 (SwiftMessage m)
```

Creates an MT202 initialized with the parameter SwiftMessage.
Parameters:
`m` - swift message with the MT202 content

◊ MT202

```
public MT202 (MtSwiftMessage m)
```

Creates an MT202 initialized with the parameter MtSwiftMessage.
Parameters:
`m` - swift message with the MT202 content, the parameter can not be null
See Also:
`MT202(String)`

◊ MT202

```
public MT202()
```

Creates and initializes a new MT202 input message setting TEST BICS as sender and receiver. All mandatory header attributes are completed with default values.
Since:
7.6

◊ **MT202**

```
public MT202 (java.lang.String sender,
              java.lang.String receiver)
```

Creates and initializes a new MT202 input message from sender to receiver. All mandatory header attributes are completed with default values. In particular the sender and receiver addresses will be filled with proper default LT identifier and branch codes if not provided,

Parameters:

`sender` - the sender address as a bic8, bic11 or full logical terminal consisting of 12 characters

`receiver` - the receiver address as a bic8, bic11 or full logical terminal consisting of 12 characters

Since:

7.7

◊ **MT202**

```
public MT202 (java.lang.String fin)
```

Creates a new MT202 by parsing a String with the message content in its swift FIN format. If the fin parameter is null or the message cannot be parsed, the internal message object will be initialized (blocks will be created) but empty. If the string contains multiple messages, only the first one will be parsed.

Parameters:

`fin` - a string with the MT message in its FIN swift format

Since:

7.7

◊ **MT202**

```
public MT202 (java.io.InputStream stream)
      throws java.io.IOException
```

Creates a new MT202 by parsing a input stream with the message content in its swift FIN format, using "UTF-8" as encoding. If the message content is null or cannot be parsed, the internal message object will be initialized (blocks will be created) but empty. If the stream contains multiple messages, only the first one will be parsed.

Parameters:

`stream` - an input stream in UTF-8 encoding with the MT message in its FIN swift format.

Throws:

`java.io.IOException` - if the stream data cannot be read

Since:

7.7

◊ **MT202**

```
public MT202 (java.io.File file)
      throws java.io.IOException
```

Creates a new MT202 by parsing a file with the message content in its swift FIN format. If the file content is null or cannot be parsed as a message, the internal message object will be initialized (blocks will be created) but empty. If the file

contains multiple messages, only the first one will be parsed.
Parameters:
`file` - a file with the MT message in its FIN swift format.
Throws:
`java.io.IOException` - if the file content cannot be read
Since:
7.7

♦ Method Detail

◊ parse

```
public static MT202 parse (MtSwiftMessage m)
```

Creates an MT202 initialized with the parameter MtSwiftMessage.
Parameters:
`m` - swift message with the MT202 content
Returns:
the created object or null if the parameter is null
Since:
7.7
See Also:
`MT202(String)`

◊ parse

```
public static MT202 parse (java.lang.String fin)
```

Creates a new MT202 by parsing a String with the message content in its swift FIN format. If the fin parameter cannot be parsed, the returned MT202 will have its internal message object initialized (blocks will be created) but empty. If the string contains multiple messages, only the first one will be parsed.
Parameters:
`fin` - a string with the MT message in its FIN swift format. *fin may be null in which case this method returns null*
Returns:
a new instance of MT202 or null if fin is null
Since:
7.7

◊ parse

```
public static MT202 parse (java.io.InputStream stream)
                    throws java.io.IOException
```

Creates a new MT202 by parsing a input stream with the message content in its swift FIN format, using "UTF-8" as encoding. If the stream contains multiple messages, only the first one will be parsed.
Parameters:
`stream` - an input stream in UTF-8 encoding with the MT message in its FIN swift format.
Returns:
a new instance of MT202 or null if stream is null or the message cannot be parsed

Throws:
`java.io.IOException` - if the stream data cannot be read
Since:
7.7

◊ parse

```
public static MT202 parse (java.io.File file)
                    throws java.io.IOException
```

Creates a new MT202 by parsing a file with the message content in its swift FIN format. If the file contains multiple messages, only the first one will be parsed.
Parameters:
`file` - a file with the MT message in its FIN swift format.
Returns:
a new instance of MT202 or null if; file is null, does not exist, can't be read, is not a file or the message cannot be parsed
Throws:
`java.io.IOException` - if the file content cannot be read
Since:
7.7

◊ getMessageType

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

Returns this MT number.
Specified by:
`getMessageType` in class `AbstractMT`
Returns:
the message type number of this MT
Since:
6.4

◊ getUETR

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

Gets the Unique End to End Transaction Reference (field 121 from block 3).

This field is used by the SWIFT gpi service to track payments messages.

Returns:
the UETR value or null if block3 or field 121 in block3 are not present
Since:
7.10.0

◊ append

```
public MT202 append (SwiftTagListBlock block)
```

Add all tags from block to the end of the block4.
Overrides:
`append` in class `AbstractMT`
Parameters:
`block` - to append

Returns:
this object to allow method chaining
Since:
7.6

◊ **append**

```
public MT202 append (Tag... tags)
```

Add all tags to the end of the block4.
Overrides:
append in class AbstractMT
Parameters:
tags - to append
Returns:
this object to allow method chaining
Since:
7.6

◊ **append**

```
public MT202 append (Field... fields)
```

Add all the fields to the end of the block4.
Overrides:
append in class AbstractMT
Parameters:
fields - to append
Returns:
this object to allow method chaining
Since:
7.6

◊ **fromJson**

```
public static MT202 fromJson (java.lang.String json)
```

Creates an MT202 messages from its JSON representation.

For generic conversion of JSON into the corresponding MT instance see AbstractMT.fromJson(String)

Parameters:
json - a JSON representation of an MT202 message
Returns:
a new instance of MT202
Since:
7.10.3

◊ **getField20**

```
public Field20 getField20()
```

Iterates through block4 fields and return the first one whose name matches 20, or null if none is found. The first occurrence of field 20 at MT202 is expected to be the only

one.

Returns:

a Field20 object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField21

```
public Field21 getField21()
```

Iterates through block4 fields and return the first one whose name matches 21, or null if none is found. The first occurrence of field 21 at MT202 is expected to be the only one.

Returns:

a Field21 object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField32A

```
public Field32A getField32A()
```

Iterates through block4 fields and return the first one whose name matches 32A, or null if none is found. The first occurrence of field 32A at MT202 is expected to be the only one.

Returns:

a Field32A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField52A

```
public Field52A getField52A()
```

Iterates through block4 fields and return the first one whose name matches 52A, or null if none is found. The first occurrence of field 52A at MT202 is expected to be the only one.

Returns:

a Field52A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField52D

```
public Field52D getField52D()
```

Iterates through block4 fields and return the first one whose name matches 52D, or null if none is found. The first occurrence of field 52D at MT202 is expected to be the only one.

Returns:

a Field52D object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField53A

```
public Field53A getField53A()
```

Iterates through block4 fields and return the first one whose name matches 53A, or null if none is found. The first occurrence of field 53A at MT202 is expected to be the only one.

Returns:

a Field53A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField53B

```
public Field53B getField53B()
```

Iterates through block4 fields and return the first one whose name matches 53B, or null if none is found. The first occurrence of field 53B at MT202 is expected to be the only one.

Returns:

a Field53B object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField53D

```
public Field53D getField53D()
```

Iterates through block4 fields and return the first one whose name matches 53D, or null if none is found. The first occurrence of field 53D at MT202 is expected to be the only one.

Returns:

a Field53D object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField54A

```
public Field54A getField54A()
```

Iterates through block4 fields and return the first one whose name matches 54A, or null if none is found. The first occurrence of field 54A at MT202 is expected to be the only one.

Returns:

a Field54A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField54B

```
public Field54B getField54B()
```

Iterates through block4 fields and return the first one whose name matches 54B, or null if none is found. The first occurrence of field 54B at MT202 is expected to be the only one.

Returns:

a Field54B object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField54D

```
public Field54D getField54D()
```

Iterates through block4 fields and return the first one whose name matches 54D, or null if none is found. The first occurrence of field 54D at MT202 is expected to be the only one.

Returns:

a Field54D object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField56A

```
public Field56A getField56A()
```

Iterates through block4 fields and return the first one whose name matches 56A, or null if none is found. The first occurrence of field 56A at MT202 is expected to be the only one.

Returns:

a Field56A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField56D

```
public Field56D getField56D()
```

Iterates through block4 fields and return the first one whose name matches 56D, or null if none is found. The first occurrence of field 56D at MT202 is expected to be the only one.

Returns:

a Field56D object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField57A

```
public Field57A getField57A()
```

Iterates through block4 fields and return the first one whose name matches 57A, or null if none is found. The first occurrence of field 57A at MT202 is expected to be the only one.

Returns:

a Field57A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField57B

```
public Field57B getField57B()
```

Iterates through block4 fields and return the first one whose name matches 57B, or null if none is found. The first occurrence of field 57B at MT202 is expected to be the only one.

Returns:

a Field57B object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField57D

```
public Field57D getField57D()
```

Iterates through block4 fields and return the first one whose name matches 57D, or null if none is found. The first occurrence of field 57D at MT202 is expected to be the only one.

Returns:

a Field57D object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField58A

```
public Field58A getField58A()
```

Iterates through block4 fields and return the first one whose name matches 58A, or null if none is found. The first occurrence of field 58A at MT202 is expected to be the only one.

Returns:

a Field58A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField58D

```
public Field58D getField58D()
```

Iterates through block4 fields and return the first one whose name matches 58D, or null if none is found. The first occurrence of field 58D at MT202 is expected to be the only one.

Returns:

a Field58D object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField72

```
public Field72 getField72()
```

Iterates through block4 fields and return the first one whose name matches 72, or null if none is found. The first occurrence of field 72 at MT202 is expected to be the only one.

Returns:

a Field72 object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField13C

```
public java.util.List<Field13C> getField13C()
```

Iterates through block4 fields and return all occurrences of fields whose names matches 13C, or `Collections.emptyList()` if none is found. Multiple occurrences of field 13C at MT202 are expected at one sequence or across several sequences.

Returns:

a List of Field13C objects or `Collections.emptyList()` if none is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagsByName(String)`

- Method

- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser.
Skip navigation links

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

SRU2024-10.2.8

- All Classes

- SEARCH:

JavaScript is disabled on your browser.

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

- Detail:
- Field |
- Constr |
- Method

Package com.prowidesoftware.swift.model.mt.mt2xx

Class MT202COV.SequenceA

- java.lang.Object
- ♦ com.prowidesoftware.swift.model.SwiftBlock
- ♦ ◊ com.prowidesoftware.swift.model.SwiftTagListBlock
- ◊ · com.prowidesoftware.swift.model.mt.mt2xx.MT202COV.SequenceA

- All Implemented Interfaces:
  `java.io.Serializable, java.lang.Iterable<Tag>`

Enclosing class:
MT202COV

```
public static class MT202COV.SequenceA
extends SwiftTagListBlock
```

Class to model Sequence "A" in MT 202COV.
See Also:
Serialized Form

♦ Field Summary

Fields

Modifier and Type	Field	Description
protected static java.lang.String[]	**END**	Last mandatory tag name of the sequence: *"58A", "58D"* Array format is for cases when more than one letter options is allowed
static java.lang.String[]	**START**	First mandatory tag name of the sequence: *"20"* .
protected static java.lang.String[]	**TAIL**	List of optional tags after the last mandatory tag.

◊ Fields inherited from class com.prowidesoftware.swift.model.SwiftTagListBlock

EMPTY_LIST

◊ Fields inherited from class com.prowidesoftware.swift.model.SwiftBlock

blockType, input, output, unparsedTexts

♦ Method Summary

All Methods Static Methods Concrete Methods

Modifier and Type	Method	Description
static MT202COV.SequenceA	**newInstance (int start, int end, Tag... tags)**	Creates a sequence with starting and ending tags set to the indicated tags in from the START and END lists of mandatory fields, and with the content between the starting and ending tag initialized with the given optional tags.
static MT202COV.SequenceA	**newInstance (Tag... tags)**	Same as newInstance(int, int, Tag...) using zero for the indexes.

◊ Methods inherited from class com.prowidesoftware.swift.model.SwiftTagListBlock

addTag, addTags, append, append, append, append, append, append, asTagArray, clear, containsAllOf, containsAnyOf, containsField, containsTag, containsTag, containsTag, countAll, countByName, countTagsStarsWith, equals, fields, filterByName, filterByNameOrdered, getField, getFieldByName, getFieldByName, getFieldByName,

- getFieldByNumber, getFieldByNumber, getFieldByQualifiers, getFieldsByName, getFieldsByName, getFieldsByNumber, getName, getNumber, getOptionalList, getOptionalList, getOptionalLists, getSubBlock, getSubBlock, getSubBlock, getSubBlock, getSubBlockAfterFirst, getSubBlockAfterFirst, getSubBlockAfterLast, getSubBlockBeforeFirst, getSubBlockBeforeFirst, getSubBlockBeforeLast, getSubBlockByTagNames, getSubBlockDelimitedWithOptionalTail, getSubBlocks, getSubBlocks, getSubBlocks, getSubBlocks, getSubBlocks, getSubBlocks, getSubBlocksByTagNames, getSubBlocksDelimitedWithOptionalTail, getTag, getTagByName, getTagByName, getTagByNumber, getTagIndex, getTagMap, getTags, getTagsByContent, getTagsByName, getTagsByName, getTagsByNumber, getTagsByValue, getTagValue, getTagValues, hashCode, indexOfAnyFirst, indexOfAnyFirstAfterIndex, indexOfAnyLast, indexOfAnyLastAfterIndex, indexOfFirst, indexOfFirstValue, indexOfLast, indexOfLastValue, isEmpty, iterator, removeAfterFirstStartsWith, removeAll, removeSubBlock, removeSubBlocks, removeTag, setBlockName, setBlockNumber, setTag, setTags, setTags, size, splitByTagName, splitByTagName, sublist, tagIterator, tagNamesList, toJson, toString, visit
  - ◊ **Methods inherited from class com.prowidesoftware.swift.model.SwiftBlock**

    getBlockType, getInput, getOutput, getUnparsedTexts, getUnparsedTextsSize, isTagBlock, setBlockType, setInput, setOutput, setUnparsedTexts, unparsedTextAddText, unparsedTextAddText, unparsedTextGetAsMessage, unparsedTextGetText, unparsedTextIsMessage, unparsedTextVerify
  - ◊ **Methods inherited from class java.lang.Object**

    clone, finalize, getClass, notify, notifyAll, wait, wait, wait
  - ◊ **Methods inherited from interface java.lang.Iterable**

    forEach, spliterator

- ♦ **Field Detail**
  - ◊ **START**

    ```
    public static final java.lang.String[] START
    ```

    First mandatory tag name of the sequence: *"20"* . Array format is for cases when more than one letter options is allowed

◊ **END**

```
protected static final java.lang.String[] END
```

Last mandatory tag name of the sequence: *"58A", "58D"* Array format is for cases when more than one letter options is allowed

◊ **TAIL**

```
protected static final java.lang.String[] TAIL
```

List of optional tags after the last mandatory tag.

♦ Method Detail

◊ **newInstance**

```
@SequenceStyle(GENERATED_FIXED_WITH_OPTIONAL_TAIL)
public static MT202COV.SequenceA newInstance (Tag... tags)
```

Same as `newInstance(int, int, Tag...)` using zero for the indexes.
Parameters:
`tags` - the list of tags to set as sequence content
Returns:
a new instance of the sequence, initialized with the parameter tags

◊ **newInstance**

```
@SequenceStyle(GENERATED_FIXED_WITH_OPTIONAL_TAIL)
public static MT202COV.SequenceA newInstance (int start,
                                              int end,
                                              Tag... tags)
```

Creates a sequence with starting and ending tags set to the indicated tags in from the START and END lists of mandatory fields, and with the content between the starting and ending tag initialized with the given optional tags.
Parameters:
`start` - a zero-based index within the list of mandatory starting tags in the sequence
`end` - a zero-based index within the list of mandatory ending tags in the sequence
`tags` - the list of tags to set as sequence content
Returns:
a new instance of the sequence, initialized with the parameter tags

Skip navigation links

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

SRU2024, generated 11 Jun 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

SRU2024-10.2.8

- All Classes

- SEARCH:

JavaScript is disabled on your browser.

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

- Detail:
- Field |
- Constr |
- Method

Package com.prowidesoftware.swift.model.mt.mt2xx

Class MT202COV.SequenceB

- java.lang.Object
- ♦ com.prowidesoftware.swift.model.SwiftBlock
- ♦ ◊ com.prowidesoftware.swift.model.SwiftTagListBlock
- ◊ · com.prowidesoftware.swift.model.mt.mt2xx.MT202COV.SequenceB

- All Implemented Interfaces:
  `java.io.Serializable, java.lang.Iterable<Tag>`

Enclosing class:
MT202COV

```
public static class MT202COV.SequenceB
extends SwiftTagListBlock
```

Class to model Sequence "B" in MT 202COV.
See Also:
Serialized Form

♦ Field Summary

Fields

Modifier and Type	Field	Description
protected static java.lang.String[]	**END**	Last mandatory tag name of the sequence: *"59A", "59F", "59"* Array format is for cases when more than one letter options is allowed
static java.lang.String[]	**START**	First mandatory tag name of the sequence: *"50A", "50F", "50K"* .
protected static java.lang.String[]	**TAIL**	List of optional tags after the last mandatory tag.

◊ Fields inherited from class com.prowidesoftware.swift.model.SwiftTagListBlock

EMPTY_LIST

◊ Fields inherited from class com.prowidesoftware.swift.model.SwiftBlock

blockType, input, output, unparsedTexts

♦ Method Summary

All Methods Static Methods Concrete Methods

Modifier and Type	Method	Description
static MT202COV.SequenceB	**newInstance (int start, int end, Tag... tags)**	Creates a sequence with starting and ending tags set to the indicated tags in from the START and END lists of mandatory fields, and with the content between the starting and ending tag initialized with the given optional tags.
static MT202COV.SequenceB	**newInstance (Tag... tags)**	Same as newInstance(int, int, Tag...) using zero for the indexes.

◊ Methods inherited from class com.prowidesoftware.swift.model.SwiftTagListBlock

addTag, addTags, append, append, append, append, append, append, asTagArray, clear, containsAllOf, containsAnyOf, containsField, containsTag, containsTag, containsTag, countAll, countByName, countTagsStarsWith, equals, fields, filterByName, filterByNameOrdered, getField, getFieldByName, getFieldByName, getFieldByName,

- getFieldByNumber, getFieldByNumber, getFieldByQualifiers, getFieldsByName, getFieldsByName, getFieldsByNumber, getName, getNumber, getOptionalList, getOptionalList, getOptionalLists, getSubBlock, getSubBlock, getSubBlock, getSubBlock, getSubBlockAfterFirst, getSubBlockAfterFirst, getSubBlockAfterLast, getSubBlockBeforeFirst, getSubBlockBeforeFirst, getSubBlockBeforeLast, getSubBlockByTagNames, getSubBlockDelimitedWithOptionalTail, getSubBlocks, getSubBlocks, getSubBlocks, getSubBlocks, getSubBlocks, getSubBlocks, getSubBlocksByTagNames, getSubBlocksDelimitedWithOptionalTail, getTag, getTagByName, getTagByName, getTagByNumber, getTagIndex, getTagMap, getTags, getTagsByContent, getTagsByName, getTagsByName, getTagsByNumber, getTagsByValue, getTagValue, getTagValues, hashCode, indexOfAnyFirst, indexOfAnyFirstAfterIndex, indexOfAnyLast, indexOfAnyLastAfterIndex, indexOfFirst, indexOfFirstValue, indexOfLast, indexOfLastValue, isEmpty, iterator, removeAfterFirstStartsWith, removeAll, removeSubBlock, removeSubBlocks, removeTag, setBlockName, setBlockNumber, setTag, setTags, setTags, size, splitByTagName, splitByTagName, sublist, tagIterator, tagNamesList, toJson, toString, visit

  ◊ **Methods inherited from class com.prowidesoftware.swift.model.SwiftBlock**

  getBlockType, getInput, getOutput, getUnparsedTexts, getUnparsedTextsSize, isTagBlock, setBlockType, setInput, setOutput, setUnparsedTexts, unparsedTextAddText, unparsedTextAddText, unparsedTextGetAsMessage, unparsedTextGetText, unparsedTextIsMessage, unparsedTextVerify

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

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

  ◊ **Methods inherited from interface java.lang.Iterable**

  forEach, spliterator

- ♦ **Field Detail**

  ◊ **START**

  ```
  public static final java.lang.String[] START
  ```

  First mandatory tag name of the sequence: *"50A", "50F", "50K"* . Array format is for cases when more than one letter options is allowed

◊ **END**

```
protected static final java.lang.String[] END
```

Last mandatory tag name of the sequence: *"59A", "59F", "59"* Array format is for cases when more than one letter options is allowed

◊ **TAIL**

```
protected static final java.lang.String[] TAIL
```

List of optional tags after the last mandatory tag.

♦ Method Detail

◊ **newInstance**

```
@SequenceStyle(GENERATED_FIXED_WITH_OPTIONAL_TAIL)
public static MT202COV.SequenceB newInstance (Tag... tags)
```

Same as `newInstance(int, int, Tag...)` using zero for the indexes.
Parameters:
`tags` - the list of tags to set as sequence content
Returns:
a new instance of the sequence, initialized with the parameter tags

◊ **newInstance**

```
@SequenceStyle(GENERATED_FIXED_WITH_OPTIONAL_TAIL)
public static MT202COV.SequenceB newInstance (int start,
                                              int end,
                                              Tag... tags)
```

Creates a sequence with starting and ending tags set to the indicated tags in from the START and END lists of mandatory fields, and with the content between the starting and ending tag initialized with the given optional tags.
Parameters:
`start` - a zero-based index within the list of mandatory starting tags in the sequence
`end` - a zero-based index within the list of mandatory ending tags in the sequence
`tags` - the list of tags to set as sequence content
Returns:
a new instance of the sequence, initialized with the parameter tags

Skip navigation links

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

SRU2024, generated 11 Jun 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

SRU2024-10.2.8

- All Classes

- SEARCH:

JavaScript is disabled on your browser.

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

- Detail:
- Field |
- Constr |
- Method

Package com.prowidesoftware.swift.model.mt.mt2xx

Class MT202COV

- java.lang.Object
- ♦ com.prowidesoftware.swift.model.AbstractMessage
  - ♦ ◊ com.prowidesoftware.swift.model.mt.AbstractMT
    - ◊ · com.prowidesoftware.swift.model.mt.mt2xx.MT202COV

- All Implemented Interfaces:
  JsonSerializable, java.io.Serializable

```
@Generated
public class MT202COV
extends AbstractMT
implements java.io.Serializable
```

MT 202COV - General Financial Institution Transfer.

SWIFT MT202COV (ISO 15022) message structure:

- Sequence A (M)
  - Field 20 (M)
  - Field 21 (M)
  - Field 13 C (O) (repetitive)
  - Field 32 A (M)
  - Field 52 A,D (O)
  - Field 53 A,B,D (O)
  - Field 54 A,B,D (O)
  - Field 56 A,D (O)
  - Field 57 A,B,D (O)
  - Field 58 A,D (M)
  - Field 72 (O)
- Sequence B (M)
  - Field 50 A,F,K (M)
  - Field 52 A,D (O)
  - Field 56 A,C,D (O)
  - Field 57 A,B,C,D (O)
  - Field 59 A,F,NONE (M)
  - Field 70 (O)
  - Field 72 (O)
  - Field 33 B (O)

This source code is specific to release **SRU 2024**

For additional resources check https://www.prowidesoftware.com/resources

See Also:
Serialized Form

Nested Class Summary

Nested Classes

Modifier and Type	Class	Description
static class	**MT202COV.SequenceA**	Class to model Sequence "A" in MT 202COV.
static class	**MT202COV.SequenceB**	Class to model Sequence "B" in MT 202COV.

Field Summary

Fields

Modifier and Type	Field	Description
static java.lang.String	**NAME**	Constant for MT name, this is part of the classname, after MT.
static int	**SRU**	Constant identifying the SRU to which this class belongs to.

◊ Fields inherited from class com.prowidesoftware.swift.model.mt.AbstractMT

m

♦ Constructor Summary

Constructors

Constructor	Description
MT202COV()	Creates and initializes a new MT202COV input message setting TEST BICS as sender and receiver.
MT202COV (MtSwiftMessage m)	Creates an MT202COV initialized with the parameter MtSwiftMessage.
MT202COV (SwiftMessage m)	Creates an MT202COV initialized with the parameter SwiftMessage.
MT202COV (java.io.File file)	Creates a new MT202COV by parsing a file with the message content in its swift FIN format.
MT202COV (java.io.InputStream stream)	Creates a new MT202COV by parsing a input stream with the message content in its swift FIN format, using "UTF-8" as encoding.
MT202COV (java.lang.String fin)	Creates a new MT202COV by parsing a String with the message content in its swift FIN format.
MT202COV (java.lang.String sender, java.lang.String receiver)	Creates and initializes a new MT202COV input message from sender to receiver.

♦ Method Summary

All Methods Static Methods Instance Methods Concrete Methods

Modifier and Type	Method
MT202COV	**append (Field... fields)**
MT202COV	**append (SwiftTagListBlock block)**
MT202COV	**append (Tag... tags)**
static MT202COV	**fromJson (java.lang.String json)**
java.util.List<Field13C>	**getField13C()**

Modifier and Type	Method
Field20	**getField20()**
Field21	**getField21()**
Field32A	**getField32A()**
Field33B	**getField33B()**
Field50A	**getField50A()**
Field50F	**getField50F()**
Field50K	**getField50K()**
java.util.List<Field52A>	**getField52A()**
java.util.List<Field52D>	**getField52D()**
Field53A	**getField53A()**

Modifier and Type	Method
Field53B	**getField53B()**
Field53D	**getField53D()**
Field54A	**getField54A()**
Field54B	**getField54B()**
Field54D	**getField54D()**
java.util.List<Field56A>	**getField56A()**
Field56C	**getField56C()**
java.util.List<Field56D>	**getField56D()**
java.util.List<Field57A>	**getField57A()**
java.util.List<Field57B>	**getField57B()**
Field57C	**getField57C()**

Modifier and Type	Method
java.util.List<Field57D>	**getField57D()**
Field58A	**getField58A()**
Field58D	**getField58D()**
Field59	**getField59()**
Field59A	**getField59A()**
Field59F	**getField59F()**
Field70	**getField70()**
java.util.List<Field72>	**getField72()**
java.lang.String	**getMessageType()**
MT202COV.SequenceA	**getSequenceA()**
MT202COV.SequenceA	**getSequenceA (SwiftTagListBlock parentSeque**
MT202COV.SequenceB	**getSequenceB()**
MT202COV.SequenceB	**getSequenceB (SwiftTagListBlock parentSeque**

Modifier and Type	Method
java.lang.String	**getUETR()**
static MT202COV	**parse (MtSwiftMessage m)**
static MT202COV	**parse (java.io.File file)**
static MT202COV	**parse (java.io.InputStream stream)**
static MT202COV	**parse (java.lang.String fin)**

- **Methods inherited from class com.prowidesoftware.swift.model.mt.AbstractMT**

  addField, containsSequence, containsSequenceList, create, create, getApplicationId, getFields, getLogicalTerminal, getMessagePriority, getMtId, getReceiver, getSender, getSequence, getSequence, getSequence, getSequenceList, getSequenceList, getSequenceNumber, getServiceId, getSessionNumber, getSignature, getSwiftMessage, getSwiftMessageNotNullOrException, getVariant, isIncoming, isInput, isOutgoing, isOutput, isType, message, nameFromClass, read, setReceiver, setReceiver, setSender, setSender, setSignature, setSwiftMessage, tag, tags, toJson, toString, write, write, xml

- **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, wait, wait, wait

- **Field Detail**

◊ SRU

```
public static final int SRU
```

Constant identifying the SRU to which this class belongs to.
See Also:
Constant Field Values

◊ NAME

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

Constant for MT name, this is part of the classname, after MT.
See Also:
Constant Field Values

♦ Constructor Detail

◊ MT202COV

```
public MT202COV (SwiftMessage m)
```

Creates an MT202COV initialized with the parameter SwiftMessage.
Parameters:
m - swift message with the MT202COV content

◊ MT202COV

```
public MT202COV (MtSwiftMessage m)
```

Creates an MT202COV initialized with the parameter MtSwiftMessage.
Parameters:
m - swift message with the MT202COV content, the parameter can not be null
See Also:
MT202COV(String)

◊ MT202COV

```
public MT202COV()
```

Creates and initializes a new MT202COV input message setting TEST BICS as sender and receiver. All mandatory header attributes are completed with default values.
Since:
7.6

◊ MT202COV

```
public MT202COV (java.lang.String sender,
                 java.lang.String receiver)
```

Creates and initializes a new MT202COV input message from sender to receiver. All mandatory header attributes are completed with default values. In particular the sender and receiver addresses will be filled with proper default LT identifier and branch codes if not provided,
Parameters:

`sender` - the sender address as a bic8, bic11 or full logical terminal consisting of 12 characters
`receiver` - the receiver address as a bic8, bic11 or full logical terminal consisting of 12 characters

Since:

7.7

◊ MT202COV

```
public MT202COV (java.lang.String fin)
```

Creates a new MT202COV by parsing a String with the message content in its swift FIN format. If the fin parameter is null or the message cannot be parsed, the internal message object will be initialized (blocks will be created) but empty. If the string contains multiple messages, only the first one will be parsed.

Parameters:

`fin` - a string with the MT message in its FIN swift format

Since:

7.7

◊ MT202COV

```
public MT202COV (java.io.InputStream stream)
         throws java.io.IOException
```

Creates a new MT202COV by parsing a input stream with the message content in its swift FIN format, using "UTF-8" as encoding. If the message content is null or cannot be parsed, the internal message object will be initialized (blocks will be created) but empty. If the stream contains multiple messages, only the first one will be parsed.

Parameters:

`stream` - an input stream in UTF-8 encoding with the MT message in its FIN swift format.

Throws:

`java.io.IOException` - if the stream data cannot be read

Since:

7.7

◊ MT202COV

```
public MT202COV (java.io.File file)
         throws java.io.IOException
```

Creates a new MT202COV by parsing a file with the message content in its swift FIN format. If the file content is null or cannot be parsed as a message, the internal message object will be initialized (blocks will be created) but empty. If the file contains multiple messages, only the first one will be parsed.

Parameters:

`file` - a file with the MT message in its FIN swift format.

Throws:

`java.io.IOException` - if the file content cannot be read

Since:

7.7

Method Detail

◊ parse

```
public static MT202COV parse (MtSwiftMessage m)
```

Creates an MT202COV initialized with the parameter MtSwiftMessage.
Parameters:
`m` - swift message with the MT202COV content
Returns:
the created object or null if the parameter is null
Since:
7.7
See Also:
`MT202COV(String)`

◊ parse

```
public static MT202COV parse (java.lang.String fin)
```

Creates a new MT202COV by parsing a String with the message content in its swift FIN format. If the fin parameter cannot be parsed, the returned MT202COV will have its internal message object initialized (blocks will be created) but empty. If the string contains multiple messages, only the first one will be parsed.
Parameters:
`fin` - a string with the MT message in its FIN swift format. *fin may be null in which case this method returns null*
Returns:
a new instance of MT202COV or null if fin is null
Since:
7.7

◊ parse

```
public static MT202COV parse (java.io.InputStream stream)
                       throws java.io.IOException
```

Creates a new MT202COV by parsing a input stream with the message content in its swift FIN format, using "UTF-8" as encoding. If the stream contains multiple messages, only the first one will be parsed.
Parameters:
`stream` - an input stream in UTF-8 encoding with the MT message in its FIN swift format.
Returns:
a new instance of MT202COV or null if stream is null or the message cannot be parsed
Throws:
`java.io.IOException` - if the stream data cannot be read
Since:
7.7

◊ parse

```
public static MT202COV parse (java.io.File file)
                      throws java.io.IOException
```

Creates a new MT202COV by parsing a file with the message content in its swift FIN format. If the file contains multiple messages, only the first one will be parsed.
Parameters:
`file` - a file with the MT message in its FIN swift format.
Returns:
a new instance of MT202COV or null if; file is null, does not exist, can't be read, is not a file or the message cannot be parsed
Throws:
`java.io.IOException` - if the file content cannot be read
Since:
7.7

◊ getMessageType

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

Returns this MT number.
Specified by:
`getMessageType` in class `AbstractMT`
Returns:
the message type number of this MT
Since:
6.4

◊ getUETR

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

Gets the Unique End to End Transaction Reference (field 121 from block 3).

This field is used by the SWIFT gpi service to track payments messages.

Returns:
the UETR value or null if block3 or field 121 in block3 are not present
Since:
7.10.0

◊ append

```
public MT202COV append (SwiftTagListBlock block)
```

Add all tags from block to the end of the block4.
Overrides:
`append` in class `AbstractMT`
Parameters:
`block` - to append
Returns:
this object to allow method chaining
Since:
7.6

◊ append

```
public MT202COV append (Tag... tags)
```

Add all tags to the end of the block4.
Overrides:
append in class AbstractMT
Parameters:
tags - to append
Returns:
this object to allow method chaining
Since:
7.6

◊ append

```
public MT202COV append (Field... fields)
```

Add all the fields to the end of the block4.
Overrides:
append in class AbstractMT
Parameters:
fields - to append
Returns:
this object to allow method chaining
Since:
7.6

◊ fromJson

```
public static MT202COV fromJson (java.lang.String json)
```

Creates an MT202COV messages from its JSON representation.

For generic conversion of JSON into the corresponding MT instance see AbstractMT.fromJson(String)

Parameters:
json - a JSON representation of an MT202COV message
Returns:
a new instance of MT202COV
Since:
7.10.3

◊ getField20

```
public Field20 getField20()
```

Iterates through block4 fields and return the first one whose name matches 20, or null if none is found. The first occurrence of field 20 at MT202COV is expected to be the only one.
Returns:
a Field20 object or null if the field is not found
Throws:

java.lang.IllegalStateException - if SwiftMessage object is not initialized

See Also:

SwiftTagListBlock.getTagByName(String)

◊ getField21

```
public Field21 getField21()
```

Iterates through block4 fields and return the first one whose name matches 21, or null if none is found. The first occurrence of field 21 at MT202COV is expected to be the only one.

Returns:

a Field21 object or null if the field is not found

Throws:

java.lang.IllegalStateException - if SwiftMessage object is not initialized

See Also:

SwiftTagListBlock.getTagByName(String)

◊ getField32A

```
public Field32A getField32A()
```

Iterates through block4 fields and return the first one whose name matches 32A, or null if none is found. The first occurrence of field 32A at MT202COV is expected to be the only one.

Returns:

a Field32A object or null if the field is not found

Throws:

java.lang.IllegalStateException - if SwiftMessage object is not initialized

See Also:

SwiftTagListBlock.getTagByName(String)

◊ getField53A

```
public Field53A getField53A()
```

Iterates through block4 fields and return the first one whose name matches 53A, or null if none is found. The first occurrence of field 53A at MT202COV is expected to be the only one.

Returns:

a Field53A object or null if the field is not found

Throws:

java.lang.IllegalStateException - if SwiftMessage object is not initialized

See Also:

SwiftTagListBlock.getTagByName(String)

◊ getField53B

```
public Field53B getField53B()
```

Iterates through block4 fields and return the first one whose name matches 53B, or

null if none is found. The first occurrence of field 53B at MT202COV is expected to be the only one.

Returns:

a Field53B object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField53D

```
public Field53D getField53D()
```

Iterates through block4 fields and return the first one whose name matches 53D, or null if none is found. The first occurrence of field 53D at MT202COV is expected to be the only one.

Returns:

a Field53D object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField54A

```
public Field54A getField54A()
```

Iterates through block4 fields and return the first one whose name matches 54A, or null if none is found. The first occurrence of field 54A at MT202COV is expected to be the only one.

Returns:

a Field54A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField54B

```
public Field54B getField54B()
```

Iterates through block4 fields and return the first one whose name matches 54B, or null if none is found. The first occurrence of field 54B at MT202COV is expected to be the only one.

Returns:

a Field54B object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField54D

```
public Field54D getField54D()
```

Iterates through block4 fields and return the first one whose name matches 54D, or null if none is found. The first occurrence of field 54D at MT202COV is expected to be the only one.

Returns:

a Field54D object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField58A

```
public Field58A getField58A()
```

Iterates through block4 fields and return the first one whose name matches 58A, or null if none is found. The first occurrence of field 58A at MT202COV is expected to be the only one.

Returns:

a Field58A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField58D

```
public Field58D getField58D()
```

Iterates through block4 fields and return the first one whose name matches 58D, or null if none is found. The first occurrence of field 58D at MT202COV is expected to be the only one.

Returns:

a Field58D object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField50A

```
public Field50A getField50A()
```

Iterates through block4 fields and return the first one whose name matches 50A, or null if none is found. The first occurrence of field 50A at MT202COV is expected to be the only one.

Returns:

a Field50A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField50F

```
public Field50F getField50F()
```

Iterates through block4 fields and return the first one whose name matches 50F, or null if none is found. The first occurrence of field 50F at MT202COV is expected to be the only one.

Returns:

a Field50F object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField50K

```
public Field50K getField50K()
```

Iterates through block4 fields and return the first one whose name matches 50K, or null if none is found. The first occurrence of field 50K at MT202COV is expected to be the only one.

Returns:

a Field50K object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField56C

```
public Field56C getField56C()
```

Iterates through block4 fields and return the first one whose name matches 56C, or null if none is found. The first occurrence of field 56C at MT202COV is expected to be the only one.

Returns:

a Field56C object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField57C

```
public Field57C getField57C()
```

Iterates through block4 fields and return the first one whose name matches 57C, or null if none is found. The first occurrence of field 57C at MT202COV is expected to be the only one.

Returns:

a Field57C object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField59A

```
public Field59A getField59A()
```

Iterates through block4 fields and return the first one whose name matches 59A, or null if none is found. The first occurrence of field 59A at MT202COV is expected to be the only one.

Returns:

a Field59A object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField59F

```
public Field59F getField59F()
```

Iterates through block4 fields and return the first one whose name matches 59F, or null if none is found. The first occurrence of field 59F at MT202COV is expected to be the only one.

Returns:

a Field59F object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField59

```
public Field59 getField59()
```

Iterates through block4 fields and return the first one whose name matches 59, or null if none is found. The first occurrence of field 59 at MT202COV is expected to be the only one.

Returns:

a Field59 object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField70

```
public Field70 getField70()
```

Iterates through block4 fields and return the first one whose name matches 70, or null if none is found. The first occurrence of field 70 at MT202COV is expected to be the only one.

Returns:

a Field70 object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField33B

```
public Field33B getField33B()
```

Iterates through block4 fields and return the first one whose name matches 33B, or null if none is found. The first occurrence of field 33B at MT202COV is expected to be the only one.

Returns:

a Field33B object or null if the field is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagByName(String)`

◊ getField13C

```
public java.util.List<Field13C> getField13C()
```

Iterates through block4 fields and return all occurrences of fields whose names matches 13C, or `Collections.emptyList()` if none is found. Multiple occurrences of field 13C at MT202COV are expected at one sequence or across several sequences.

Returns:

a List of Field13C objects or `Collections.emptyList()` if none is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagsByName(String)`

◊ getField52A

```
public java.util.List<Field52A> getField52A()
```

Iterates through block4 fields and return all occurrences of fields whose names matches 52A, or `Collections.emptyList()` if none is found. Multiple occurrences of field 52A at MT202COV are expected at one sequence or across several sequences.

Returns:

a List of Field52A objects or `Collections.emptyList()` if none is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagsByName(String)`

◊ getField52D

```
public java.util.List<Field52D> getField52D()
```

Iterates through block4 fields and return all occurrences of fields whose names matches 52D, or `Collections.emptyList()` if none is found. Multiple occurrences of field 52D at MT202COV are expected at one sequence or across several sequences.

Returns:

a List of Field52D objects or `Collections.emptyList()` if none is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagsByName(String)`

◊ getField56A

```
public java.util.List<Field56A> getField56A()
```

Iterates through block4 fields and return all occurrences of fields whose names matches 56A, or `Collections.emptyList()` if none is found. Multiple occurrences of field 56A at MT202COV are expected at one sequence or across several sequences.

Returns:

a List of Field56A objects or `Collections.emptyList()` if none is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagsByName(String)`

◊ getField56D

```
public java.util.List<Field56D> getField56D()
```

Iterates through block4 fields and return all occurrences of fields whose names matches 56D, or `Collections.emptyList()` if none is found. Multiple occurrences of field 56D at MT202COV are expected at one sequence or across several sequences.

Returns:

a List of Field56D objects or `Collections.emptyList()` if none is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagsByName(String)`

◊ getField57A

```
public java.util.List<Field57A> getField57A()
```

Iterates through block4 fields and return all occurrences of fields whose names matches 57A, or `Collections.emptyList()` if none is found. Multiple occurrences of field 57A at MT202COV are expected at one sequence or across several sequences.

Returns:

a List of Field57A objects or `Collections.emptyList()` if none is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagsByName(String)`

◊ getField57B

```
public java.util.List<Field57B> getField57B()
```

Iterates through block4 fields and return all occurrences of fields whose names matches 57B, or `Collections.emptyList()` if none is found. Multiple occurrences of field 57B at MT202COV are expected at one sequence or across several sequences.

Returns:

a List of Field57B objects or `Collections.emptyList()` if none is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagsByName(String)`

◊ getField57D

```
public java.util.List<Field57D> getField57D()
```

Iterates through block4 fields and return all occurrences of fields whose names matches 57D, or `Collections.emptyList()` if none is found. Multiple occurrences of field 57D at MT202COV are expected at one sequence or across several sequences.

Returns:

a List of Field57D objects or `Collections.emptyList()` if none is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagsByName(String)`

◊ getField72

```
public java.util.List<Field72> getField72()
```

Iterates through block4 fields and return all occurrences of fields whose names matches 72, or `Collections.emptyList()` if none is found. Multiple occurrences of field 72 at MT202COV are expected at one sequence or across several sequences.

Returns:

a List of Field72 objects or `Collections.emptyList()` if none is not found

Throws:

`java.lang.IllegalStateException` - if SwiftMessage object is not initialized

See Also:

`SwiftTagListBlock.getTagsByName(String)`

◊ getSequenceA

```
@SequenceStyle(GENERATED_FIXED_WITH_OPTIONAL_TAIL)
public MT202COV.SequenceA getSequenceA()
```

Get the single occurrence of SequenceA delimited by leading tag and end, with an optional tail. The presence of this method indicates that this sequence can occur only once according to the Standard. If block 4 is empty this method returns null.

Returns:

the found sequence or an empty sequence if none is found

See Also:

`SwiftTagListBlock.getSubBlockDelimitedWithOptionalTail(Str`
`String[], String[])`

◊ getSequenceA

```
@SequenceStyle(GENERATED_FIXED_WITH_OPTIONAL_TAIL)
public MT202COV.SequenceA getSequenceA (SwiftTagListBlock parentSeque
```

Get the single occurrence of SequenceA delimited by leading tag and end, with an optional tail. The presence of this method indicates that this sequence can occur only

once according to the Standard. If block 4 is empty this method returns null.

Parameters:

`parentSequence` - a not null parent sequence to find SequenceA within it

Returns:

the found sequence or an empty sequence if none is found, or null if the parent sequence is null or empty

Since:

7.7

See Also:

SwiftTagListBlock.getSubBlockDelimitedWithOptionalTail(Str
String[], String[])

◊ getSequenceB

```
@SequenceStyle(GENERATED_FIXED_WITH_OPTIONAL_TAIL)
public MT202COV.SequenceB getSequenceB()
```

Get the single occurrence of SequenceB delimited by leading tag and end, with an optional tail. The presence of this method indicates that this sequence can occur only once according to the Standard. If block 4 is empty this method returns null.

Returns:

the found sequence or an empty sequence if none is found

See Also:

SwiftTagListBlock.getSubBlockDelimitedWithOptionalTail(Str
String[], String[])

◊ getSequenceB

```
@SequenceStyle(GENERATED_FIXED_WITH_OPTIONAL_TAIL)
public MT202COV.SequenceB getSequenceB (SwiftTagListBlock parentSeque
```

Get the single occurrence of SequenceB delimited by leading tag and end, with an optional tail. The presence of this method indicates that this sequence can occur only once according to the Standard. If block 4 is empty this method returns null.

Parameters:

`parentSequence` - a not null parent sequence to find SequenceB within it

Returns:

the found sequence or an empty sequence if none is found, or null if the parent sequence is null or empty

Since:

7.7

See Also:

SwiftTagListBlock.getSubBlockDelimitedWithOptionalTail(Str
String[], String[])

Skip navigation links

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

- Help

SRU2024, generated 11 Jun 2025

- All Classes

JavaScript is disabled on your browser.

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

- Detail:
- Field |
- Constr |
- Method