

Usage Guideline

head.001.001.04_HKMAUG_1.0.0

HKTR AIDG (ISO 20022) V1.0.0

This document describes a usage guideline restricting the base message head.001.001.04. You can also consult this [information online](#).

Published by HKTR (Hong Kong Interbank Clearing Limited) and generated by [MyStandards](#).

24 September 2024

| | |
|------------------------------|----------|
| Table of Content | 2 |
| Message Functionality | 3 |
| About this document | 5 |
| Usage Guideline | 6 |
| Appendix | 8 |
| Legal Notices | 9 |

Message Functionality

Collection Description

HKTR AIDG (ISO 20022) V1.0.0 ([link](#))

The AIDG is also available for download on the HKTR Info Page at <https://hktr.hkma.gov.hk/ContentDetail.aspx?pageName=HKTR-RPT-Administration-and-Interface-Development-Guide>

Usage Guideline Description

head.001.001.04_HKMAUG_1.0.0 ([link](#))

The Business Layer deals with Business Messages. The behaviour of the Business Messages is fully described by the Business Transaction and the structure of the Business Messages is fully described by the Message Definitions and related Message Rules, Rules and Market Practices. All of which are registered in the ISO 20022 Repository.

A single new Business Message (with its accompanying business application header) is created - by the sending MessagingEndpoint - for each business event; that is each interaction in a Business Transaction. A Business Message adheres to the following principles:

" A Business Message (and its business application header) must not contain information about the Message Transport System or the mechanics or mechanism of message sending, transportation, or receipt.

" A Business Message must be comprehensible outside of the context of the Transport Message. That is the Business Message must not require knowledge of the Transport Message to be understood.

" A Business Message may contain headers, footers, and envelopes that are meaningful for the business. When present, they are treated as any other message content, which means that they are considered part of the Message Definition of the Business Message and as such will be part of the ISO 20022 Repository.

" A Business Message refers to Business Actors by their Name. Each instance of a Business Actor has one Name. The Business Actor must not be referred to in the Transport Layer. Specific usage of this BusinessMessageHeader may be defined by the relevant SEG.

Outline

The head.001.001.04_HKMAUG_1.0.0 message is composed of 5 building blocks

a - Organisation Identification

Identification of a person or an organisation.

b - Organisation Identification

Identification of a person or an organisation.

c - Business Message Identifier

Unambiguously identifies the Business Message to the MessagingEndpoint that has created

the Business Message.

d - Message Definition Identifier

The Message Definition Identifier of the Business Message instance with which this Business Application Header instance is associated.

e - Creation Date

Date and time when this Business Message (header) was created.

About this document

Legend

| Abbreviation | Term | Description |
|--------------|--------------------|-----------------------------------------------------------------------|
| X | Excluded | An optional field or element must not be populated. |
| I | Ignored | A field or element could be populated but is ignored by the receiver. |
| [x..y] | Multiplicity | A field or element multiplicity has changed. |
| FV | Fixed Value | A field or element must contain a given value. |
| T/C | Type / Code Change | A user-defined datatype replaces an existing simple datatype. |
| A | Element Added | A field or element has been added. |

| Header | Description |
|--------------------|-----------------------------------|
| Index | Element reference |
| LvL | Element nesting in tree hierarchy |
| Name | Element name |
| XML Tag | Element XML tag |
| Mult | Element multiplicity |
| Type / Code | Element formatting |
| Rest | Restriction type |
| Additional details | Other restriction specifics |

| Type/Code Notation | Describes the Element | Examples |
|------------------------|-------------------------------------------------------|--------------------------------|
| text{m,M} | minimum (m) and maximum (M) length | text{1,35} |
| text{L} | maximum (L) length, minimum length is 0 | test{10} |
| m <= decimal <= M | minimum (m) and maximum (M) values | 0.01 <= decimal <= 9999.99 |
| fd = F, td = T | maximum fractional (F) and total (T) number of digits | fd = 2, td = 11 |
| <<regular expression>> | regular expression pattern | [A-Z]{6,6}([A-Z0-9]{3,3}){0,1} |

| Index | Lv l | Name | XML Tag | Mult | Type / Code | Rest r | Additional details |
|-------|---------|------------------------------------------------------|----------|--------|-----------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 0 | Business Application Header V04 (head.001.001.04) | <AppHdr> | | | | |
| | 1 | From | <Fr> | [1..1] | Choice | | Annotation: TR ISO 20022 - Data Element Name: Submitting party (From) - Definition of Data Element: Identification code of the Submitting party (From). - Format and allowable values: The ID is the TR Entity ID and/or LEI of participant for request file. The ID must be "HKTR" for response file. |
| | 2 | Organisation Identification | <OrgId> | [1..1] | | | |
| | 3 | Identification | <Id> | [0..1] | Choice | [1..1] | |
| | 4 | Organisation Identification | <OrgId> | [1..1] | | | |
| | 5 | LEI | <LEI> | [0..1] | text [A-Z0-9]{18,18}[0-9]{2,2} | | |
| | 5 | Other | <Othr> | [0..*] | | [0..1] | |
| | 6 | Identification | <Id> | [1..1] | text{1,256} | T/C | Type Changed: text{1,20} |
| | 1 | To | <To> | [1..1] | Choice | | Annotation: TR ISO 20022 - Data Element Name: Receiving party (To) - Definition of Data Element: Identification code of the Receiving party (To). - Format and allowable values: The ID must be "HKTR" for request file. The ID is the TR Entity ID of participant for response file. |
| | 2 | Organisation Identification | <OrgId> | [1..1] | | | |
| | 3 | Identification | <Id> | [0..1] | Choice | [1..1] | |
| | 4 | Organisation Identification | <OrgId> | [1..1] | | | |
| | 5 | Other | <Othr> | [0..*] | | [1..1] | |
| | 6 | Identification | <Id> | [1..1] | text{1,256} | T/C | Type Changed: text{1,20} |

| Index | Lv l | Name | XML Tag | Mult | Type / Code | Rest r | Additional details |
|-------|---------|-------------------------------|-------------|--------|-------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 1 | Business Message Identifier | <BizMsgIdr> | [1..1] | text{1,35} | | Annotation: TR ISO 20022 - Data Element Name: Business message identifier - Definition of Data Element: A unique user file reference assigned by the Submitting Party for the request file, or the unique file reference generated by the system for the response file. - Format and allowable values: Alphanumeric characters and underscore, i.e. 'A' to 'Z', 'a' to 'z', '0' to '9' and '_'. |
| | 1 | Message Definition Identifier | <MsgDefIdr> | [1..1] | text{1,35} | | Annotation: TR ISO 20022 - Data Element Name: Message definition identifier - Definition of Data Element: The Message Definition Identifier of the Business Message instance with which this Business Application Header instance is associated. |
| | 1 | Creation Date | <CreDt> | [1..1] | dateTime | T/C | Annotation: TR ISO 20022 - Data Element Name: Creation date - Definition of Data Element: Date and time when this Business Message (header) was created. - Format and allowable values: YYYY-MM-DDThh:mm:ssZ, based on UTC ----- Type Changed: dateTime |

Data Format Rules

Space Trimming

Any leading and trailing white spaces of data fields provided in the trade action are trimmed by the TR system during the trade capture process. If the data field is a multiple line field, only the leading white spaces of the first line and trailing white spaces of the last line will be trimmed.

Legal Notices

Copyright

SWIFT SCRL © 2024. All rights reserved.

This material is a component of MyStandards, the SWIFT collaborative Web application used to manage standards definitions and industry usage. It can only be used and distributed in accordance with MyStandards Terms of Use.

Unless otherwise agreed in writing with SWIFT SCRL, you have no right to:

- authorise external end users to use this component for other purposes than their internal use.
- remove, alter, cover, obfuscate or cancel from view any copyright or other proprietary rights notices appearing in this physical medium.
- re-sell or authorise another party e.g. software and service providers, to re-sell this component.

Confidentiality

This publication may contain SWIFT or third-party confidential information. Only disclose it outside your organisation in accordance with MyStandards Terms of Use and your related license rights.

This component is provided 'AS IS'. SWIFT does not give and excludes any express or implied warranties with respect to this component such as but not limited to any guarantee as to its quality, supply or availability.

Any and all rights, including title, ownership rights, copyright, trademark, patents, and any other intellectual property rights of whatever nature in this component will remain the exclusive property of SWIFT or its licensors.

Trademarks and Patents

SWIFT is the trade name of S.W.I.F.T. SCRL. The following are registered trademarks of SWIFT:

SWIFT, the SWIFT logo, 3SKey, Innotribe, Sibos, SWIFTNet, MyStandards, SWIFTReady, and Accord. Other product, service, or company names in this publication are trade names, trademarks, or registered trademarks of their respective owners..