

Usage Guideline

head.001.001.04_HKMAUG_1.0.2

HKTR AIDG (ISO 20022) V1.0.2 [Published on 19 May 2025]

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

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Message Functionality

Collection Description

HKTR AIDG (ISO 20022) V1.0.2 [Published on 19 May 2025] ([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_1.0.2 ([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_1.0.2 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.

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