INTRODUCTION TO THE ISO 20022 AFT USAGE GUIDELINES

INTRODUCTION

1.0 Scope

This document outlines the specifications related to the formatting of CPA ISO 20022 Automated Funds Transfer (AFT) payment messages and the required content of an ISO AFT Payment Item Exchanged via CPA Clearing and Settlement Systems and provides guidance on the use of the ISO 20022 Standard in creating ISO AFT Payment Messages as defined in the CPA ISO AFT Rules and Standards.

2.0 Composition

The ISO AFT Usage Guidelines is composed of 5 parts as follows:

- Introduction (this document)
- Part A – Usage Guidelines for ISO AFT FItoFI Customer Credit Transfers
- Part B – Usage Guidelines for ISO AFT FItoFI Customer Debit Transfers
- Part C – Usage Guidelines for ISO AFT Payment Return
- Part D – Usage Guidelines for ISO AFT Payment Reversal
- Part E – Usage Guidelines for ISO AFT Identification Modification Advice

3.0 Message development

The table below outlines the CPA Standard 005 Logical Records and the corresponding ISO 20022 message and versions that were used to define the CPA's ISO 20022 AFT Portfolio. It should be noted that Logical Records A, U, V, and Z were not mapped to ISO 20022 message formats as much of the functionality within these Logical Records are already contained in the defined ISO 20022 messages.

The ISO 20022 AFT Portfolio of messages are as follows:

CPA ISO AFT message portfolio	
Standard 005 logical records	ISO 20022 message formats
Logical Record C – Direct Deposit	FItoFICustomerCreditTransfer - Pacs.008.001.06
Logical Record D – Pre-Authorised Debits	FItoFICustomerDirectDebit - Pacs.003.001.06
Logical Record E and F – Error Corrections	FItoFIPaymentReversal - Pacs.007.001.06

Logical Record I and J – Returns	PaymentReturn - Pacs.004.001.06
Logical Record S – Notice of Change	IdentificationModificationAdvice - Acmt.022.001.02

4.0 Terminology

The table below is provided for the convenience of users new to ISO 20022 and aims to provide guidance with respect to the parties and processes introduced by ISO 20022 as they may relate to the CPA Standard 005 AFT. Please note that this is not an exhaustive list of ISO 20022 parties and processes.

ISO 20022 term	CPA standard 005 synonym	ISO description
Debtor	Payor	Party that owes an amount of money to the (ultimate) creditor.
Debtor Agent	Payor FI	Financial institution servicing an account for the debtor.
Creditor	Payee	Party to which an amount of money is due.
Creditor Agent	Payee FI	Financial institution servicing an account for the creditor.
Initiating Party	*New Party*	Party that initiates the payment. Usage: This can be either the debtor or a party that initiates the credit transfer on behalf of the debtor.
Instructing Agent	Originator FI	Agent that instructs the next party in the chain to carry out the (set of) instruction(s). (Instructing Agent for the purposes of the ISO AFT does not refer exclusively to the Originator FI.)
Instructed Agent	Destination Data Centre	Agent that is instructed by the previous party in the chain to carry out the (set of) instruction(s). (Instructed Agent for the purposes of the ISO AFT does not refer exclusively to the Destination Data Centre.)

ISO 20022 term	CPA standard 005 synonym	ISO description
Interbank Settlement Amount	Amount payable	Amount of money moved between the instructing agent and the instructed agent.
Interbank Settlement Date	[1]Due Date or Date Funds to be Available	Date on which the amount of money ceases to be available to the agent that owes it and when the amount of money becomes available to the agent to which it is due.
Related Remittance Information	*New Element*	Provides information related to the handling of the remittance information by any of the agents in the transaction processing chain.
Remittance Information	*New Element*	Information supplied to enable the matching/reconciliation of an entry with the items that the payment is intended to settle, such as commercial invoices in an accounts receivable system.
Structured Remittance	*New Element*	Information supplied to enable the matching/reconciliation of an entry with the items that the payment is intended to settle, such as commercial invoices in an accounts receivable system, in a structured form.
Ultimate Debtor	*New Party*	Ultimate party that owes an amount of money to the (ultimate) creditor. This party shall be identified within the payment only if different from the Debtor.
Ultimate Creditor	*New Party*	Ultimate party to which an amount of money is due. This party shall be

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[1] For the purpose of ISO AFT framework, the Interbank Settlement Date will be considered as the due date (ISO AFT Debits) or the date funds to be available (for ISO AFT Credits).

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ISO 20022 term	CPA standard 005 synonym	ISO description
		identified within the payment only if different from the Debtor.
Unstructured Remittance	*New Element*	Information supplied to enable the matching/reconciliation of an entry with the items that the payment is intended to settle, such as commercial invoices in an accounts receivable system, in an unstructured form.

5.0 Notice of revision

The CPA will be responsible for the maintenance of the current ISO AFT Messages and the decision to move to new versions of the message based on processes captured in its ISO 20022 Maintenance Process.

6.0 Use of standard

The ISO AFT Usage Guidelines shall be read in conjunction with Section F of the ACSS Rules – the Rules pertaining to Automated Funds Transfer System – and other related documents. Additional guidance can be obtained at **www.iso20022.org**.

7.0 Character coding

XML message support the UTF-8 character set however, only English and French Characters shall be used for the purposes of Exchange of ISO 20022 AFT transactions between CPA Members.

8.0 Special characters

Special characters used by the XML structure cannot be included within the data content itself as use of these characters cause validation errors when opening the file. Alternate character sets (XML entities), must be substituted for them before the data can be included in the XML file. The special characters and corresponding XML entities are listed in the table below.

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Special characters	XML entities
" (double quote)	&quote;
' (single quote)	'
< (left brace)	<
> (right brace)	>
& (ampersand)	&

9.0 How to use the ISO AFT Usage Guidelines

Each element within an ISO AFT Message described refers to a corresponding element in the ISO 20022 XML Message Definition Report for Payment Standards. Any element absent from Payments Canada's ISO 20022 Portfolio and Usage Guidelines is due to it not being supported in the ISO AFT framework.

10.0 How to read this document

This table defines terms used throughout the ISO 20022 Portfolio and Usage Guidelines:

Term/symbol	ISO definition
Usage	Additional info on how this element must be used
XML Tag	Short name identifying an element within an XML message, which is put between brackets, e.g. <Amt>
Occurrences	This indicates whether an element is optional or mandatory and how many times the element can be repeated. The number of occurrences is shown between square brackets *For example:* [0..1] shows that the element can be present 0 times or 1 time. That is to say that the element is optional. [1..1] shows that the element can be present only 1 time. That is to say that the element is mandatory.

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Term/symbol	ISO definition
	[1..n] shows that the element is mandatory and can be present 1 to n times – That is to say that the element is mandatory and can be repeated as many times as indicated by "n". An element which is part of a set of elements, is mandatory as far as the set it is part of, is present in the message. If only one of several elements may be present, this is indicated by {OR … OR} in front of the elements concerned.
Synonym	This indicates, for reference purposes, the Standard 005 data element is mapped to the field.
Format	This specifies the values and format allowed Remark: if a tag is used, the correspondent data field may not be left empty. At least one character has to be filled in.
Rules	Any specific rules which could have an impact on the presence or the values of an element
🚫	Removed – This element must not be populated in accordance with specifications contained within this document.
◇	Ignored – This element shall be populated, however the receiver is not required to process the information contained therein.
⚠	Change below – This element or its sub-element has been changed. Details with respect to the changes have been outlined within this document.
M	Mandatory – This element must be populated in accordance with specifications contained within this document.

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