



SWIFTStandards

Comparison Table

CHIPS Non-Bank Transfer

pac.008.001.01 FIToFICustomerCreditTransferV01

The SWIFTStandards Comparison Table describes mapping from the CHIPS Non-Bank Transfer to the ISO pac.008.001.01 message standard.

17 April 2008

Related documentation

- *UNIFI (ISO 20022) Message Definition Report - Payments Standards - Clearing and Settlement and related XML schemas and instances*

The latest version of the UNIFI documentation is published on the www.iso20022.org website.

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	A	B	C	D	E	F
1	CHIPS				FIToFICustomerCreditTransferV01 (pacs.008.001.01)	
2	Field	Tag	Element	Context	All paths preceded by "FIToFICustomerCreditTransferV01\ GH = GroupHeader TX = CreditTransferTransactionInformation	Comment
3	01					Transaction code 10. For the CHIPS message to be compared to the pacs.008.001.01, the transaction code must equal 10 and the Beneficiary Type element 2 in tag 211 must equal N (Non-bank). If the code equals B (Bank), then the CHIPS message relates to the pacs.009.001.01.
4	-	Less than 200				Tags below 200 containing for example timestamps and sequence numbers are of a technical nature without equivalent in the business payload of the pacs.008.001.01.
5	02	201	Element 2	-	TX\InterbankSettlementDate	
6			Element 3	-	GH\InstructingAgent	
7	02	201		Field 17, tag 510 or 512 not present	TX\DebtorAgent	Workaround. DebtorAgent is mandatory in the pacs.008.001.01 target message, whereas field 17, tag 510 or 512 (Originator's Bank) is optional in the CHIPS message and the field's absence implies that the Sending Participant identified by 201 - Element 3 is the Originator's Bank.
8			Element 1	-	GH\InstructedAgent	
9	03	211	Element 2	Must equal N	-	For the CHIPS message to be compared to the pacs.008.001.01, the transaction code must equal 10 and the Beneficiary Type element 2 in tag 211 must equal N (Non-bank).
10	04	259	Element 1	-	-	Currency field is reserved for future use. In CHIPS message the USD currency is implied, whereas in the pacs.008.001.01 message it is a mandatory attribute of all amount fields. As field 04 is currently not used, one of the default populations would be to fill in USD as the attribute (See default population section below).
11	05	260	Element 1	-	TX\InterbankSettlementAmount	The InterbankSettlementAmount is of the CurrencyAmount type encompassing the amount and the currency as an XML attribute. See above comment and default population section for currency.
12	06	265		-	-	Tag 265 contains information in case of a return of funds. In ISO, the return of funds is catered for by a specific message type, pacs.004.001.01.
13	07	270 or 271		-	-	Payment Sequence Number (PSN) or Suspected Duplicate PSN seems to be information of a technical nature.
14	08	300		-	-	Message authentication key. Information of a technical nature.
15			Element 1	Code 1	TX\ChargeBearer\CRED	
16				Code 2 or field absent	TX\ChargeBearer\SHAR	Field is optional in CHIPS format. In case of absence, default will be SHAR.
17			Element 2	-	TX\InstructedAmount	
18			Element 3	-	TX\ExchangeRate	

	A	B	C	D	E	F
19	09	301	Element 4, 6, 8 and 10 (4 repetitions)	-	TX\ChargesInformation\ChargesAmount	<p>In the pacs.008.001.01 target message the currency of all repetitions of ChargesAmount must be the same as the currency of the InterbankSettlementAmount (meaning USD for CHIPS).</p> <p>In the pacs.008.001.01 target message, the ChargesAmount element is part of the ChargesInformation component together with a mandatory ChargesParty element.</p> <p>Refer to the workaround section below to see how the pacs.008.001.01 ChargesParty is derived from the CHIPS message where the party is implicit or absent.</p>
20	10	303		-	-	
21			Element 1	-	TX\PaymentIdentification\InstructionIdentification	
22			Element 1	-	GH\MessagelIdentification	Workaround. MessagelIdentification is mandatory in the pacs.008.001.01 target message as the identification for the group of transactions. The CHIPS payment is a single transaction and field 320 (Send Participant Reference Number) is therefore both InstructionIdentification and MessagelIdentification
23	11	320	Element 1	-	TX\PaymentIdentification\TransactionIdentification	Workaround. TransactionIdentification is mandatory in the pacs.008.001.01 target message and contains an interbank reference that is stable throughout the payment chain. There is no field for a stable reference in the CHIPS payment message and therefore field 320 (Send Participant Reference Number Tag) is copied
24			Element 1	Field 12, tag 321 not present	TX\PaymentIdentification\EndToEndIdentification	Workaround. EndToEndIdentification is mandatory in the pacs.008.001.01 target message and carries a reference to be passed on between the customer ordering the payment and the beneficiary. There is no field for an EndToEnd reference in the CHIPS payment message and therefore field 320 (Send Participant Reference Number Tag) is copied.
25	12	321	Element 1	-	-	Not used in the Customer Credit Transfer CHIPS payment message.
26		400-402		-	TX\IntermediaryAgent1	The IntermediaryAgent1 will be identified in field 13, tag 400 (with look-up), 401 (BIC) or 402 (without look-up). Content of tag 407 (result of look-up) could be added to the translated pacs.008.001.01 .
27	13	401			TX\IntermediaryAgent1Account	In case of tag 401, the DDA number is combined with a BIC, so DDA would translate to IntermediaryAgent1Account.
28		402		Identifier code equal to D or U	TX\IntermediaryAgent1Account	In case of tag 402, the identifier is optional and only when the code is D or U, the IntermediaryAgent1Account element will be filled.
29		410-412		-	TX\CreditorAgent	The CreditorAgent might be identified in field 14, tag 410 (with look-up), 411 (BIC) or 412 (without look-up). Content of tag 417 (result of look-up) could be added to the translated pacs.008.001.01 .

	A	B	C	D	E	F
30	14	411			TX\CreditorAgentAccount	In case of tag 411, the DDA number is combined with a BIC, so DDA would translate to IntermediaryAgent1Account.
31		412		Identifier code equal to D or U	TX\CreditorAgentAccount	In case of tag 412, the identifier is optional and only when the code is D or U, the IntermediaryAgent1Account element will be filled.
32	15	420-422		-	TX\Creditor	The Beneficiary will be identified in field 15, tag 420 (with look-up), 421 (BIC) or 422 (without look-up). Content of tag 427 (result of look-up) could be added to the translated pacs.008.001.01 .
33		421			TX\CreditorAccount	In case of tag 421, the DDA number is combined with a BIC, or BEI so DDA would translate to CreditorAccount.
34		422		Identifier code equal to D, T or U	TX\CreditorAccount	In case of tag 422, the identifier is optional and only when the code is D or T the CreditorAccount will be filled. In case the identifier code is U (CHIPS Universal Identifier), then this will be translated to the CHIPSUniversalIdentification element of the Creditor identification element.
35	16	500 or 502		-	TX\Debtor	The Debtor might be identified in field 16, tag 500 (with look-up) or 502.
36		502		Identifier code equal to D	TX\DebtorAccount	In case of tag 502, the identifier is optional and only when the code is D , the DebtorAccount element will be filled.
37	17	510 or 512		-	TX\DebtorAgent	The DebtorAgent might be identified in field 17, tag 510 (with look-up) or 512. Refer to field 2 for workaround when field 17 is absent .
38		512		Identifier code equal to D or U	TX\DebtorAgentAccount	In case of tag 512, the identifier is optional and only when the code is D or U, the DebtorAgentAccount element will be filled.
39	18	520 or 522		-	TX\PreviousInstructingAgent	The Instructing Bank might be identified in field 18, tag 520 (with look-up) or 522.
40		522		Identifier code equal to D	TX\PreviousInstructingAgentAccount	
41	19	600		-	TX\RemittanceInformation\Unstructured	The Originator to Beneficiary Information has a 140 characters format.
42		610		-	TX\InstructionForNextAgent\InstructionInformation <i>A new instance of the repetitive TX\InstructionForNextAgent component (in this case used without TX\InstructionForNextAgent\Code)</i>	
43		620		-	-	620 Bank to Intermediary Information does not have an pacs.008.001.01 equivalent as the pacs.008.001.01 offers the generic InstructionInformation for the NextAgent so it would be intended for the
44				Advice code	Advice code equal to C AND 400 is present	TX\InstructionForNextAgent\Code\TELA <i>A new instance of the repetitive TX\InstructionForNextAgent component</i>
45		621		Advice code equal to P AND 400 is present	TX\InstructionForNextAgent\Code\PHOA <i>A new instance of the repetitive TX\InstructionForNextAgent component</i>	

	A	B	C	D	E	F
46	20		Advice Information	Advice code equal to C or P AND 400 is present	TX\InstructionForNextAgent\InstructionInformation <i>Must be the same occurrence of the component with TX\InstructionForNextAgent\Code equaling TELA or PHOA after translation of 621 Advice code C or P.</i>	
47		630		-	TX\InstructionForNextAgent\InstructionInformation <i>A new instance of the repetitive TX\InstructionForNextAgent component (in this case used without TX\InstructionForNextAgent\Code)</i>	630 contains requests to advise the Beneficiary's Bank. In the pacs.008.001.01 the request can be made to advise the more generic NextAgent. Therefore, requests to advise the Beneficiary's Bank are only translated when no Intermediary Bank (field 400) is present between the Receiver Bank and Beneficiary's Bank.
48		631	Advice code	Advice code equal to C AND 400 is not present and 410 is present	TX\InstructionForNextAgent\Code\TELA <i>A new instance of the repetitive TX\InstructionForNextAgent component</i>	6310 contains coded information to advise the Beneficiary's Bank. In the pacs.008.001.01 the request can be made to advise the more generic NextAgent. Therefore, requests to advise the Beneficiary's Bank are only translated when no Intermediary Bank (field 400) is present between the Receiver Bank and Beneficiary's Bank.
49				Advice code equal to P AND 400 is not present and 410 is present	TX\InstructionForNextAgent\Code\PHOA <i>A new instance of the repetitive TX\InstructionForNextAgent component</i>	
50			Advice Information	Advice code equal to C or P AND 400 is not present and 410 is present	TX\InstructionForNextAgent\InstructionInformation <i>Must be the same occurrence of the component with TX\InstructionForNextAgent\Code equaling TELA or PHOA after translation of 631 Advice</i>	
51		640		-	TX\InstructionForCreditorAgent\InstructionInformation <i>A new instance of the repetitive TX\InstructionForCreditorAgent component (in this case used without TX\InstructionForCreditorAgent\Code)</i>	
52			Advice	Advice code equal to H	TX\InstructionForCreditorAgent\Code\HOLD <i>A new instance of the repetitive TX\InstructionForCreditorAgent component</i>	
53				Advice code equal to C	TX\InstructionForCreditorAgent\Code\TELB <i>A new instance of the repetitive TX\InstructionForCreditorAgent component</i>	

	A	B	C	D	E	F
54		641	code	Advice code equal to P	TX\InstructionForCreditorAgent\Code\PHOB <i>A new instance of the repetitive TX\InstructionForCreditorAgent component</i>	
55				Advice code equal to Q	TX\InstructionForCreditorAgent\Code\CHQB <i>A new instance of the repetitive TX\InstructionForCreditorAgent component</i>	
56		650	Advice Information	Advice code equal to H, C or P	TX\InstructionForCreditorAgent\InstructionInformation <i>Must be the same occurrence of the component with TX\InstructionForCreditorAgent\Code equaling HOLD, TELB or PHOB after translation of 641 Advice code H, C or P.</i>	
57				-	TX\InstructionForNextAgent\InstructionInformation <i>A new instance of the repetitive TX\InstructionForNextAgent component (in this case used without TX\InstructionForNextAgent\Code)</i>	
58	21	820				Financial EDI tag with size similar to field 77T of MT 103 REMIT (8994 characters). If present, would result in repetitive sequences of Unstructured Remittance Information.
59	-	Above 900				
60	DEFAULT POPULATION Some of the elements in the pacs.008.001.01 message are mandatory without (explicit) equivalent in the CHIPS message. This section describes how these pacs.008.001.01 elements are populated to obtain a valid pacs.008.001.01 message.					
61	Field	Tag	Element	Context	Mandatory Element FIToFICustomerCreditTransferV01 (pacs.008.001.01) All paths preceded by "FIToFICustomerCreditTransferV01\ GH = GroupHeader TX = CreditTransferTransactionInformation	Comment
62	-	-	-	-	GH\CreationDateTime	Default value could be for example 9999-12-31T00:00:00. Or information could be fetched from technical tags below 200.
63	-	-	-	-	GH\NumberOfTransactions	Default value 1.
64	-	-	-	-	GH\SettlementInformation\SettlementMethod\CLRG	Default value indicating it is a clearing payment.

	A	B	C	D	E	F
65				-	GH\SettlementInformation\ClearingSystem\ClearingSystemIdentification\CHI	ClearingSystemIdentification in the pacs.008.001.01 for CHIPS is CHI.
66				-	TX\InterbankSettlementAmount	The currency USD is implicit in the CHIPS standard - field 260. The InterbankSettlementAmount is of the CurrencyAmount type encompassing the amount and the currency (as an XML attribute), so the USD currency attribute will be filled as default.
67	CHARGES RELATED WORKAROUNDS Some of the elements in the pacs.008.001.01 message are mandatory without explicit equivalent in the CHIPS message. This is specifically the case for the pacs.008.001.01 ChargesInformation component where next to the ChargesAmount the ChargesParty is also required. In the CHIPS message only the ChargesAmount is available (up to 4 repetitions). This section describes how the pacs.008.001.01 ChargesParty is derived from the CHIPS message where the party is implicit or absent.					
68	Field	Tag	Element	Context	Mandatory Element FIToFICustomerCreditTransferV01 (pacs.008.001.01) All paths preceded by "FIToFICustomerCreditTransferV01\ GH = GroupHeader TX = CreditTransferTransactionInformation	Comment
69	Charges paid by Beneficiary					
70	02	201	Element 3	Field 09, tag 301, code 1	TX\ChargesInformation\ChargesParty <i>Must be the last occurrence of TX\ChargesInformation\ChargesParty</i>	The last occurrence of charges in field 09, tag 301 contains charges taken by the Sending Participant.
71	17	510 or 512	-	Field 09, tag 301, code 1 AND Field 09, tag 301 contains more than 1 occurrence of charges AND Field 17, tag 510 or 512 is present Field 09, tag 301, code 1	TX\ChargesInformation\ChargesParty <i>Must be the first occurrence of TX\ChargesInformation\ChargesParty</i>	The first of multiple occurrence of charges in field 09, tag 301 contains charges taken by the party in field 17, tag 510 or 512, <u>if present</u> .
72	-	-	-	AND Field 09, tag 301 contains more than 1 occurrence of charges AND Field 17, tag 510 or 512 is not present		Workaround to be defined by the community. If field 17, tag 510 or 512 is not present, then the first of multiple occurrences of charges in field 09, tag 301 must be assigned to a party as the ChargesParty is mandatory in the pacs.008.001.01 ChargesInformation component and not available in the CHIPS source message.

	A	B	C	D	E	F
73	18	520 or 522		Field 09, tag 301, code 1 AND Field 09, tag 301 contains more than 2 occurrences of charges AND Field 18, tag 520 or 522 is present	TX\ChargesInformation\ChargesParty	The last-but-one of at least 3 occurrences of charges in field 09, tag 301 contains charges taken by the Instructing Institution, identified in field 18, tag 520 or 522, <u>if present</u> .
74	-	-		Field 09, tag 301, code 1 AND Field 09, tag 301 contains more than 2 occurrences of charges AND Field 18, 520 or 522 is not present	<i>Must be the last-but-one occurrence of TX\ChargesInformation\ChargesParty</i>	Workaround to be defined by the community. If field 18, tag 520 or 522 is not present, then the last-but-one of at least 3 occurrences of charges in field 09, tag 301 must be assigned to a party as the ChargesParty is mandatory in the pacs.008.001.01 ChargesInformation component and not available in the CHIPS source message.
75	-	-		Field 09, tag 301, code 1 AND Field 09, tag 301 contains 4 occurrences of charges	TX\ChargesInformation\ChargesParty <i>Must be an occurrence of TX\ChargesInformation\ChargesParty between the second and last-but-two (inclusive)</i>	Workaround to be defined by the community. With 4 occurrences of charges in field 09, tag 301, the second till last-but-one occurrence must be assigned to a party as the ChargesParty is mandatory in the pacs.008.001.01 ChargesInformation component and not available in the CHIPS source message.
76	Charges shared					
77	02	201	Element 3	Field 09, tag 301, code 2 AND Field 09, tag 301 contains at least 1 occurrence of charges	TX\ChargesInformation\ChargesParty <i>Must be the last occurrence of TX\ChargesInformation\ChargesParty</i>	The last occurrence of charges in field 09, tag 301 contains charges taken by the Sending Participant.
78	18	520 or 522		Field 09, tag 301, code 2 AND Field 09, tag 301 contains more than 1 occurrence of charges AND Field 18, tag 520 or 522 is present	TX\ChargesInformation\ChargesParty	The last-but-one of at least 2 occurrences of charges in field 09, tag 301 contains charges taken by the Instructing Bank, identified in field 18, tag 520 or 522, <u>if present</u> .

	A	B	C	D	E	F
79	-	-		Field 09, tag 301, code 2 AND Field 09, tag 301 contains more than 1 occurrence of charges AND Field 18, tag 520 or 522 is not present	Must be the last-but-one occurrence of TX\ChargesInformation\ChargesParty	Workaround to be defined by the community. If field 18, tag 520 or 522 is not present, then the last-but-one of at least 2 occurrences of charges in field 09, tag 301 must be assigned to a party as the ChargesParty is mandatory in the pacs.008.001.01 ChargesInformation component and not available in the CHIPS source message.
80	-	-		Field 09, tag 301, code 2 AND Field 09, tag 301 contains more than 2 occurrences of charges	TX\ChargesInformation\ChargesParty <i>Must be an occurrence of TX\ChargesInformation\ChargesParty between the first and last-but-two (inclusive)</i>	Workaround to be defined by the community. With more than 2 occurrences of charges in field 09, tag 301, the first till last-but-two must be assigned to a party as the ChargesParty is mandatory in the pacs.008.001.01 ChargesInformation component and not available in the CHIPS source message.