



CHAPS WEBINAR FAQ

SWIFT Connectivity for CHAPS ISO migration - Direct Participants Webinar – 23 June and 22 September, 2021



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SWIFT

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No.	Questions	Answers
New CHAPS copy behaviour: introduction of PACS.002.		
1	Are these two values ACSC or RJCT the only ones used in pacs.002?	The sender of the payment instruction, will receive pacs.002 either containing the acceptance or rejection code. This replaces the current FIN messages MT012 (which confirms the Settlement) and the MT019 (which informs that the settlement was rejected). If the payment instruction is rejected, then SWIFT also generates a system message (xsys.012) which will contain information for the interface to be logged and for reconciliation purpose (this is a mandatory message generated in case of negative pacs.002).
2	May the Pacs.002 contain any other status than ACSC?	
3	I think I got my answer, as we have details of pacs.002 details shared by the Bank of England and we will only ever receive pacs.002 message and no xsys?	
4	So xsys.012 is a mandatory to receive by banks in case of negative pacs.002?	
5	Could we understand the rationale of adding xsys.012?	The reason why Bank of England (BoE) decided to implement the pacs.002 as part of their copy service set-up was to provide business related information ('pacs – i.e. payments) in a payment related message. In the FINCopy world, this information is provided in 'system messages' (MT012, MT019) which are, in most cases, considered technical messages.
6	Also it seems this message is not official the Bank of England (BoE) message but from SWIFT? Is that correct?	
7	Would banks need to be ready to receive both xsys and pacs.002 message?	
8	I take that the xsys 012 will be received only if we have subscribed to Delivery notification, isn't it?	The xsys.012 is not subject to subscription: it is automatically generated by SWIFT. See answer provided above.

9	Should the back-office be able to receive xsys.012 messages (since no pacs.002 is sent in case the message cannot be delivered) or will the messaging interface typically try to redeliver the message?	In the case of a negative pacs.02, i.e. a pacs. 002 containing a rejection code, you need to note that the pacs.002 is not about the transaction not being delivered, but about the settlement not being executed (for example because the sender of the instruction did not have sufficient funds in the account at BoE). For this reason, BoE generates a message back to SWIFT which will contain a negative pacs.002 (containing the rejection code). SWIFT receives this message, strips the pacs.002 which is sent back to the sender of the payment instruction. This is important information for the treasurer and it is contained in a business message - the pacs.002. Equally, the interface needs to receive technical information which is contained in the xsys.012. Please check with your interface vendor for more information.
10	In addition and prior to receiving pacs.002 messages, will the SWIFT Interact network validate the ISO20022 message and respond with ACK/NAK (as in the MT world)	When an InterAct message is sent via SWIFT, the SWIFT network will validate the message syntax, the addresses, references etc. As it happens today on FIN. If the validation is positive, then the message will be Positively Acknowledged by SWIFT. If it contains an error, it will be rejected by SWIFT and the sender of the rejected message will receive a Negative Acknowledgement (a NAK). This process is the same as today in FIN. Note, that the pacs.002 IS NOT a positive or negative acknowledgement but the acceptance or rejection of the settlement by Bank of England.
11	The introduction of the pacs.002 (i.e. business message instead of system message) is unique to the CHAPS ISO services only? Copy service for other RTGS ISO's will continue to behave the current way? ie with xsys for accept/reject.CCEPT/REJECT)?	August 2021: This change is unique to the CHAPS RTGS so far. However, this option is available to all RTGS Operators who can request to have it implemented.
12	Regarding xsys.002 and xsys.003 will replace MT012/MT019 for other RTGS and CBPR+ correct?	August 2021: That is correct. The xsys.002 replaces the MT012; the xsys.003 replaces the MT019 in all other RTGS running a Copy Service (in ISO20022) over SWIFT.
13	To double check confirmation understanding: Bank of England is using pacs.0002 as is Target2 as no longer Y copy. Singapore staying with xsys?	August 2021: Target2 will be using pacs.002 but in different architectural design, i.e. not in copy mode (as BoE) but in the 'V' mechanism (payment instruction sent from 'A' to Euro System, Euro System to 'B', where 'A' and 'B' are Target2 participants). No other copy service has opted to change the copy service behaviour from xsys.002 and xsys.003 to pacs.002, so far.

CHAPS contingency		
14	Please can you provide plans for CHAPS Contingency, currently using SWIFT Alliance Lifeline as Tertiary contingency with a limit of 10,000 messages per day, with Interact SnF this limit drops to 1200 per day which isn't sufficient?	The limit for InterAct messages in Alliance Lifeline will be raised to 10,000 messages per day in each direction
15	Can you outline what the approach is for the migration of the CHAPS Tertiary Contingency service	<p>DPs elect to use different solutions/implementations for their Tertiary solutions and for those who have chosen Alliance Lifeline, the service description states:</p> <p>Lifeline Overview It is the customer's responsibility to keep the Alliance Lifeline configuration information and activation scenarios in line with their business needs.</p> <p>Alliance Lifeline-enabled services and activation scenario changes Changes to the services enabled in Alliance Lifeline and changes to the activation scenarios can be ordered on swift.com at Modify your Alliance Lifeline configuration. Customers will be contacted by their SWIFT representative to determine the requested changes and agree on a Service Proposal.</p>
16	Will Lifeline/Lite2 be updated to support direct entry of ISO messages?	Yes, this is planned for end of September 2021

Impacts on WebAccess GUI		
17	Any impact to the current WebAccess GUI applications like Enquiry Link/MIRS as part of this migration? If so, any details on the migration plan yet?	No – there is no change in the connectivity to the WebAccess GUI applications (Enquiry Link or MIRS) as part of the migration to ISO 20022.
Other FIN Messages currently in use in the current FINCopy service		
18	Do we still have the option to receive Mt950 & Mt 298 until TS2.1 instead of its ISO counterparts?	The BoE will provide further information to CHAPS Direct Participants on the options for changing from MT to MX messages for statements and notifications. However, we expect this flexibility will be available.
19	Will MT950 continue to be sent via Fin flow or will it be sent via Interact?	MT950 is a FIN message, therefore, it will be sent via FIN
Non-delivery warning & Delivery notification		
20	Are the optional xsy.010 Non-delivery warning / xsys.011 delivery notification free of charge or subject to monthly fees?	The optional messages xsys.010 and xsys.011 are payable and billed as all traffic fees, on a monthly basis. Note: this is the same for the correspondent MT010, MT011 messages in FIN, today.
21	How do we subscribe to the "optional" xsys.010 & xsys.11 messages - what is the process? E.g. are they available to choose on the e-order form?	The optional messages: non-delivery warning xsys.010 , and the delivery notification xsys.011 , are messages which are to be requested - if desired. The delivery control parameters are indicated/filled in by your messaging interface. Please refer to your interface messaging documentation for more information.
22	Where can we find details specs for xsys messages as the Bank has not shared any details yet?	Please refer to SWIFTNet System Messages documentation. https://www2.swift.com/knowledgecentre/publications/sn_7_5_ufsm/2.0?to pic=con_1694916692.htm&protected=true&reload-date=1626696598184

Testing: Test services; Closed User Groups (CUGs); joining the services (forms and e-ordering process)

23	What is the difference between UAT/pre-prod?	<p>UAT Pilot service will be used by each DP to undertake Participant Acceptance Testing, completing their mandatory test pack already issued, using the Test Simulator (or ‘buddy banks’ if they wish) alongside any other testing the member may want to execute.</p> <p>Pre-prod Pilot service will allow for a wider, more structured test phase, in Participant Group Testing (which follows Participant Acceptance Testing above). A sub test and transition group has been set up to help form the scope of this testing but it is expected to consist of daily RTGS settlement processes including multi-lateral message exchange with other DPs based on a live timetable and non-functional testing such as volumes, fall-back and contingency.</p>
24	Are services the equivalent of CUGs?	Yes, this is correct.
25	While the UAT 1 pilot service is available for ordering just now, since it will be activated only in November 2021 - how can we test any CHAPS ISO message for L2L phase just now?	<p>The SWIFT MyStandards Readiness Portal is currently available for users to begin validating their CHAPS payment messages against the published like-for-like and enhanced schemas. All CHAPS Direct Participants are expected to make use of the Readiness Portal to support their internal readiness for the CHAPS ISO 20022 migration. The Readiness Portal will validate CHAPS ISO 20022 test messages to ensure they comply with the schemas and that the format meets the mandatory requirements for a payment message to settle in RTGS once we begin testing end to end with back office systems and RTGS. It will also enable Direct Participants to validate examples of the cash management and administration messages they will receive from RTGS, to enable them to prepare their systems to process them. It links with the SWIFT MyStandards schema documentation, not the Standards Source documentation. SWIFT MyStandards Portal is a static validation of messages that can be used ahead of end to end testing in November’s 2021 Connectivity/Training and Participant Acceptance Testing in January 2022,</p>

		where messages will be sent from back office systems, through SWIFT and into RTGS (and vice versa). Unfortunately this end to end testing cannot be brought forward due to the Bank of England's internal testing, and therefore MyStandards should be used ahead of this to ensure message compliance with the relevant schemas.
26	Do we need to agree the implementation date in advance with the Bank of England?	Please refer to the Getting Started Guide to know the implementation date to be requested when submitting the e-orders for each Pilot service. For example, the Preferred Implementation date <u>must be 16th October 2021</u> for the UAT 1 and Pre-Production 1 services.
27	While BOE Readiness portal can be used to verify the static business messages, I take we will not be able to test the complete messages (with request header etc.) until Oct/Nov, i.e. when CHAPS services is made available with the simulator?	Yes, this is correct. Interact message including the technical request header can only be tested when exchanging over the SWIFT network.
28	In relation to the e-order, will there be another new 'service name' for Enhanced ISO in 2023 or will it use the same service as goes live in June 2022?	As live service only one service will be registered under the name of boe.stg.iast . This live service will cover also the Enhanced ISO phase. In terms of test services: the TS3 related activities will be covered by the boe.stg.iast!pu2 and boe.stg.iast!pe2 services
29	Will we have to register a Test BIC also?	Please note that test BIC doesn't exist in SWIFTNet messaging service (it is only in FIN). It is the service name that defines if it is a live or a pilot service. Important to note that the e-order form will give you error validation message when you define the L3 DN based on a test BIC. Consequently it is not allowed to register the test BIC for the service, only the live BIC shall be used.
30	When registering on the eform do you use the production BICs or the Test and Training BICS or do you register them both?	Please note that test BIC doesn't exist in SWIFTNet messaging service (it is only in FIN). It is the service name that defines if it is a live or a pilot service. Important to note that the e-order form will give you error validation message when you define the L3 DN based on a test BIC. Consequently it is not allowed to register the test BIC for the service, only the live BIC shall be used.

31	When will BoE approve the joining request in October? Are there milestones set by BoE to allow connectivity testing? that apply to all DPs	BoE will approve the e-orders submitted in June, July, August and September 2021 in early October in order to be able to meet the <u>16th October 2021</u> SWIFT Implementation date . Please note that the requested implementation date in the e-ordering form must be in line with testing milestones and timelines defined by BoE and described also in the Getting Started Guide document (please be referred to page # 8, 9 and 10). E.g. the testing of the TS2 Pre-prod Pilot service will start on 01/11/21 and ends on 12/11/21, for this reason it is highly recommended to complete the service subscription process by the 16th October 2021 (i.e. <u>request implementation date of 16th October 2021 in the e-order form</u>).
32	Is there a deadline for the e-ordering? (starting in June 21)	The deadline for the e-ordering must be in line with the testing milestones and timelines defined by BoE and also described in the Getting Started Guide document (please be referred to page # 8, 9 and 10). The service subscription must be completed and implemented 2 weeks before the start date of the testing activities . E.g. the testing of the TS2 Pre-prod Pilot service will start on 01/11/21 and ends on 12/11/21, for this reason it is highly recommended to complete the service subscription process by the 16th October 2021 (i.e. request implementation date of 16th October 2021 in the e-order form).
33	Is 16th October the only available date for implementation? I'm not clear what is meant by it needs to be agreed by Bank of England - what is the process please?	The deadline for the e-ordering must be in line with the testing milestones and timelines defined by BoE and also described in the Getting Started Guide document (please be referred to page # 8, 9 and 10). The service subscription must be completed and implemented 2 weeks before the start date of the testing activities . E.g. the testing of the TS2 Pre-prod Pilot service will start on 01/11/21 and ends on 12/11/21, for this reason it is highly recommended to complete the service subscription process by the 16th October 2021 (i.e. request implementation date of 16th October 2021 in the e-order form).
34	In the order form, if a queue name is specified which is already used on another service, will order be rejected?	The order form will not be rejected. It is allowed to share the same queue between different services, however we recommend to specify a CHAPS specific queue for the related messaging flow.

35	The responder DN on the form does not have the *, in front of the o=bic8, I suspect that will be needed to conform to the 3 level DN requirement yes?	<p>Correct, the Responder DN must be must be identical with the Level-3 DN indicated under 6.01 of the order form (in case of the test service shall be *,o=bic8,o=swift).</p> <p>Please note that once you update field 6.01 as per *,o=bic8,o=swift (in case of test service) or ou=xxx,o=bic8,o=swift (in case of live service), the Responder DN field in section 7 will be automatically updated in the order form.</p> <p>(important note: once you define the L3 DN in field 6.01, please click on “Advanced”, update the number of entries to “1” and click on “update”)</p>
36	Even if we opt for the services now, until SWIFT/ BoE approval 16th Oct 2021.. We will not able to progress/ or test the service right?	Please be referred to Answer #25 and #42
37	Can you specify multiple rules/queues on the subscription form if you want to use multiple environments with the Pilot services?	<p>Correct, it is possible to define multiple rules/queues in the order form, however:</p> <ol style="list-style-type: none"> 1. the Responder DN must always be identical with the DN indicated in field 6.01 of the order form. 2. SWIFT recommends a single pilot queue for all pilot CHAPS ISO services and then use the messaging interface to route messages to different back office applications (if required)
38	Does the SWIFT Interact network validate ISO message against CHAPS schema and respond with ACK/NAK in the interact response as in the FIN world where FIN message is validated against the MT standards	Yes, as long as the Request Sub-type field in the InterAct Request Header block contains the CHAPS usage identifier, e.g. boe.chaps.l4l.01

39	Input channel vs Emission profile: what's the difference? I never got it. We only use emission profile and RMA / finplus is working fine	Input channel(s) are recommended for sending InterAct Store & Forward messages. They provide the sequencing of messages allowing the following capabilities: detecting out-of-sequence messages; duplication message detection; and message gap detection. The Input channel is one of the parameters defined in the Emission Profile on Alliance Access. Further information is available in the ISO Programme Customer Adoption Guide , as referenced in the Getting Started Guide , as well as the Alliance Access Configuration Guide .
40	In the interact request header, there is COPY INDICATION field specifying that message is Y-COPY, according to SWIFT documentation, is this relevant to CHAPS	No, the COPY INDICATION field is used to indicate a duplicate message.
41	Is the list of messages in the table an exhaustive list of CHAPS ISO messages across all phases?	The list of messages in the webinar presentation are as provisioned in the CHAPS ISO 20022 CUG/SWIFTNet service. Although it is not expected to change, this question would best be addressed by the BoE.
42	If BoE Interact service is only available only in October subject to BoE Approval. 1) How the developers unit test & SIT test can cover the specific Bank of England test cases? Specifically pacs.002 (MT012/MT019) cases and xsys messages(xsys.012,xsys.010, xsys.011) 2) Will this approval in October not delay the overall time lines from participant members	1) You will be able to test receipt of these messages as part of the BoE's connectivity testing in November 2021. 2) No, the testing timelines have been defined by the BoE.
43	Is SAA capable to add the Request headers (the meta data you talked about) to the business messages that are received from feeders or back office application (payment processing engine)?	Yes, as long as the metadata has been provided in the SAA-XMLv2 envelope .
44	Any details on the crypto used	The signing format used for CHAPS-ISO messages is Signature List .
45	Will the starter guide detail out the Crypto functions CHAPS service will you?	No, but the signing format used for CHAPS-ISO is Signature List.
46	We have been told that CHAPS ISO Y Copy won't work with SWIFT Cloud until 2023. Is there a reason for this?	As there are no CHAPS DPs on Alliance Cloud there are no migration requirements.

47	Do you also have schemas and examples of all CHAPS messages on SWIFT.com?	All CHAPS schemas can be found on BoE's page on MyStandards - https://www2.swift.com/mystandards/#/group/Bank_of_England
48	Where can we have sample messages for CHAPS L4L "with SWIFT technical header"?	Currently, there are no sample CHAPS messages with the SWIFT technical header, but we are working on providing such information. CHAPS messages defined in MyStandards are SWIFT messaging interface agnostic. The SWIFT technical header is built by the SWIFT messaging interface using the metadata passed in the integration envelope for automated messages from a back-office system. Customers should consult with their SWIFT messaging interface's documentation or provider for the format and possible samples of the integration envelope for ISO messages, e.g. for the SWIFT messaging interface products, the Alliance Access integration envelope format is called XMLv2 and for Alliance Messaging Hub it is AMP and information on these formats can be found in the documentation.
49	No clarity has been provided around the usage of Test and Live BICs for BOE CHAPS InterAct Test Services. I understand from BOE the use of Test BICs being allowed until Nov-2025 in line with similar exception provided only for Test InterAct services of FINPlus for CBPR+ traffic, unlike TARGET2, or other InterAct services as Test BICs if a FIN concept. Could you clarify please and perhaps include that within the revised version of this? <i>(added after 22 September webinar)</i>	The rules with regards to the usage of T&T BICs in the payload and headers of an ISO20022 message may differ for each service in which the ISO20022 is exchanged. For TS2 (L4L) and TS2.1 (ENH) BoE will continue to use T&T BICs. For TS3 (so testing from Q4 2022), BoE is looking to replace this with the use of Live BICs.
50	Why are test connectivity environments in this order? Pre-prod from 1st Nov and UAT from 15th Nov. Logical approach would consider these in inversed order <i>(added after 22 September webinar)</i>	The Bank of England has now reversed the order of this connectivity testing, and will be testing UAT first and the pre-Production, per the revised Participant Acceptance Test plan (4 October 2021).
51	Where can I get further information on the Simulator service that must be ordered? <i>(added after 22 September webinar)</i>	This was provided by the Bank to the RTGS Renewal Testing Working Group on 7 September. If you require another copy, please email RTGSReadiness@bankofengland.co.uk .

52	<p>What is the difference between RTGSTest Simulator (WebAccess) and MyStandards?</p> <p><i>(added after 22 September webinar)</i></p>	<p>The MyStandards Readiness Portal is a static validation tool that allows you to upload your messages and validate they conform to the L4L and/or ENH schemas. Please note that the message will not be sent to the SWIFT network.</p> <p>The RTGS Test Simulator will allow you to generate and send CHAPS messages to yourself as if they had been sent by another DP. Please note that these messages are sent via the SWIFT network therefore they are validated by the SWIFT network, and once they are delivered to the Bank of England, they will also be validated by the Testing Simulator tool.</p>
53	<p>Where does the xsys.001 go?</p> <p><i>(added after 22 September webinar)</i></p>	<p>The XSYS.001 is a system message sent by the central application of the Bank of England (RTGS) to SWIFT (only to SWIFT). This message contains the information that SWIFT needs to either release the payment instruction, or generate the abort notification that it will send to the original sender of the payment instruction. Note: System messages are messages from SWIFT to the users, or from the users to SWIFT.</p>
54	<p>There is also a mirs.95 message that seems to be part of the migration, but not listed in the messages you showed today. Is it anything specific we should know about it?</p> <p><i>(added after 22 September webinar)</i></p>	<p>mirs.095 is the activation/deactivation message that is sent by BoE to inform participants of the activation or deactivation of MIRS.</p> <p>This mirs.095 message is part of the MyStandards collection of CHAPS messages as participants should be ready to receive it.</p> <p>Note that BoE will be able to configure participant's preference whether they want to receive the mirs.095 ISO message, or the FIN equivalent MT 298/095.</p>