

TARGET2/T2S consolidation

Training event focused on testing
FAQs

Entity responsible: Deutsche Bundesbank
Author: Deutsche Bundesbank
Version: 1.1

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List of versions

Version	Date	Author	Description of modification
1.0	3 November 2021	Deutsche Bundesbank	First version
1.1	26 November 2021	Deutsche Bundesbank	Update after the second training event ¹

¹ Updates/new questions compared to version 1.0 are highlighted in yellow.

Question	Answer	✓ or ✗ i
<p>Is the training also relevant for banks that have applied for co-management? Do co-managed participants themselves also have to carry out tests?</p>	<p>Participating in the training is mandatory for co-managers but not for co-managed banks – i.e. they have the choice. The co-manager carries out the test cases for all of their co-managed participants (see also UT Mandatory Test Cases, Chapter 1.1. Approach – footnote) and must therefore also submit evidence of testing to their relevant central bank.</p>	<p>✓</p>
<p>Are reference data taken across from TARGET2 to T2 CRDM? Or do all reference data have to be created again?</p>	<p>All reference data have to be newly created for the new platform. Data for the test and production environment must be maintained separately. The reference data can be created using the registration form provided by us. Further information and instructions on filling out the form can be found on our website at https://www.bundesbank.de/en/tasks/payment-systems/target2-t2s-consolidation/registration-form-877126</p> <p>Basic information on creating reference data can also be found in our training documents on this topic from August 2021: https://www.bundesbank.de/en/tasks/payment-systems/target2-t2s-consolidation/preparatory-support-for-participants/preparatory-support-for-participants-842784</p> <p>In particular, the current TARGET2 directory will not be migrated. Corresponding Authorised Account Users (AAU) must be registered for all direct participants and their addressable BICs (addressable BIC holders). You can provide these to us in the registration form and they will then be published with the new RTGS directory.</p>	<p>✓</p>
<p>Are test documents and cases also available in German? Where can I find all of the documents?</p>	<p>No, the Eurosystem’s documents on testing are available only in English. The U2A GUI (Graphical User Interface) of TARGET services is also in English and cannot be changed to German.</p> <p>List of all published documents including links: https://www.bundesbank.de/en/tasks/payment-systems/target2-t2s-consolidation/overview-of-available-and-upcoming-documents-on-the-target2-t2s-consolidation-project-860130</p>	<p>✓</p>

Question	Answer	✓ or ✗ i
Does the registration form have to be filled out by each participant or can the service provider do it?	The form must be signed by authorised signatories on behalf of the credit institution. Please coordinate bilaterally on whether your service provider can assist you with filling out the form.	✓
What is the process for connectivity testing in collaboration with a service bureau?	Participants are responsible for coordinating testing in collaboration with your service bureau (if desired). A service bureau can test U2A access with one of its customers on behalf of all other participants based on the same infrastructure. The remaining customers receive a screenshot with the visible DN/BIC and a message that they can submit it to us as evidence of the “proxy tests”. Each customer also independently sends an XML message or sends us evidence that the admi.007 message has been sent as evidence of A2A connectivity. This allows us to assign the results to each T2 customer.	✓
Should evidence of U2A and A2A connectivity be sent together?	For the sake of clarity, evidence of testing activities (with BIC11 and institution name) should be sent together where possible, but this is not mandatory. The same applies for evidence regarding the mandatory test cases.	✓
Who participates in the Pre-Migration Rehearsal and how do you participate?	Participation is automatic. You do not need to register.	✓
Does the ECONS II account also have to be registered for optional participants in the registration form?	Contrary to our response from the training event, it has since been decided that all participants with MCAs (including in co-management) must open contingency accounts equal to the number of MCAs using the registration form to ensure accessibility in ECONS II. Further details on applying can be found in the guide on completing the form .	✓
Do certain test windows have to be reserved by users or can each participant test at any time during the testing period?	You can carry out testing activities during the business day in question and you do not need to register for them.	✓

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<p>Will there be a document containing AS information, such as group names, sub-account codes, etc.?</p>	<p>Yes, you can find an overview on our website in the document “List of AS group names and AS codes” under the heading Testing and migration Deutsche Bundesbank “Registration-related downloads”.</p>	<p>✓</p>
<p>Do AAU BICs now always have to be uploaded with a separate .txt file? We can no longer see three to four dedicated fields in Excel where AAUs can be entered?</p>	<p>Unfortunately, you can enter the AAU only in the .txt file that is added to the form. In principle, you can enter only one AAU with the participation type “Direct”, but any number of (different) BIC11s with other types such as “multi-addressee”.</p>	<p>✓</p>
<p>Will the DCAs/MCAs in the test environment be provided with funding in December-January? What exactly can be tested if MCAs/DCAs are empty?</p>	<p>Credit facilities are planned to be established during the course of the creation of reference data to enable testing with liquidity even before the first MWR. We will inform participants as soon as the credit facilities have been established within the context of the creation of reference data. In general, tests concerning reference data creation should be started first – no liquidity is required on the accounts for this.</p>	<p>✓</p>
<p>We are already TIPS participants. Will all existing TIPS users in UTEST be migrated to T2 or only the two admins?</p>	<p>All TIPS users will be migrated, but they have to be assigned the necessary roles for the new services/components. To this end, please enter (only) your two admin users in the registration form (existing “System User Reference”, etc.). They can then assign roles to your other users. You also need to select the roles in the registration form so that the new roles can be assigned to your party.</p>	<p>✓</p>
<p>Are the admin users given all roles so that the first tests can be carried out with them?</p>	<p>For technical reasons, central banks can only assign the admin users two roles. These roles allow them to access CRDM and assign other roles. For the admin users to carry out other actions in CRDM or the CLM/RTGS GUI (and thus also be able to perform tests), the admin users first have to assign themselves the corresponding roles.</p>	<p>✓</p>
<p>Does the admin user also need to be created at my</p>	<p>Certainly, the users’ certificates must also be created at the NSP. Please contact your service bureau or your NSP about this.</p>	<p>✓</p>

Question	Answer	✓ or ✗ i
NSP's service bureau on the HSM box?		
When do the mandatory test cases for the creation of reference data in CRDM have to be carried out by (end)?	The test cases concerning the creation of reference data should be conducted by no later than the first MWR in March 2022.	✓
Regarding setting up message subscription(s): Does such a set-up have to be created for each type of message? Is it not possible for the Bundesbank to provide a standard message rule set in CRDM that can be adjusted if necessary?	It is not necessary to create a rule set for each type of message. This is only required if you want to receive special types of message such as camt.054 (BankToCustomerDebitCreditNotification). The central bank therefore cannot set up pre-defined rule sets for participants. You can find an overview of all message subscription parameter types in Table 31 in the CRDM UDFS v2.2.	✓
Which document provides technical/functional descriptions of user roles?	The allocation of roles and privileges can be found in the following document: Testing and Migration Deutsche Bundesbank (TARGET Services Registration and Onboarding Guide, Annex B)	✓
Are there deadlines for the mandatory test cases in the community testing phase or do they simply all have to be successfully tested by the end of the phase?	There are no deadlines during the community testing phase. Nevertheless, the community tests should be completed as early as possible.	✓
Do the mandatory test cases U2A <u>AND</u> A2A have to be carried out and documented?	U2A-only participants naturally do not need to carry out A2A test cases. Whether a participant carries out U2A or A2A test cases depends on how they plan to use them in daily operations in production. It is the responsibility of each T2 participant to ensure that all functionalities related to their business are tested in an	✓

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	environment as close to production as possible (see also UT Mandatory Test Cases, Chapter 1).	
<p>What happens if a bank opens only an MCA to hold the minimum reserve but does not open an RTGS DCA? Then the mandatory test case (liquidity transfer from the MCA to an RTGS DCA) could not be conducted?!</p>	<p>Whether a mandatory test case is to be conducted generally also depends on a participant's set-up – if no RTGS DCA is opened and no liquidity transfers are to be made from an own MCA to a third party RTGS DCA, the test case in question is not mandatory. However, the test case is mandatory if, for example, you submit liquidity transfer orders to a correspondent/co-manager who carries out the payment transaction for you (depending on your set-up, it can also be carried out U2A). You can then carry out the test case in consultation with your correspondent/co-manager (on their RTGS DCA) or send the liquidity to a Bundesbank RTGS DCA as a test. In the latter case, please use the following BIC: ZYBLDEFFXXX</p>	<p>✓</p>
<p>Where can I find an overview of the operational day schedules? When will the synchronisation of the operational days of T2, T2S and TIPS start?</p>	<p>Synchronisation of the operational day schedules between T2, T2S and TIPS UTEST will not start until July 2022. An overview of the operational day schedules in T2 UTEST will be attached to the document "User Testing Terms of Reference" as an annex. Consultation on this annex is still ongoing but it will likely be available at the start of community testing.</p>	<p>✓</p>
<p>Can you send a pacs.004 to BIC ZYBLDEFFXXX and receive an answer? Or does the T2 simulator work only for pacs.008 and pacs.009?</p>	<p>No, the T2 simulator ZYBLDEFFXXX cannot process pacs.004. It can mirror only pacs.008 and pacs.009 messages.</p>	<p>✓</p>
<p>When will the T2S simulator be available?</p>	<p>At the start of the community testing phase.</p>	<p>✓</p>

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successfully achieved by 30 November 2021?	also depends on this – we do not set any specific targets. However, we would appreciate if your bank could inform us of the planned date (even if this is after 30 November) by emailing Targetservices-test@bundesbank.de.	
Will it be possible to create subscription rule sets for a camt.054 for all accounts?	Yes, under CRDM it is possible to define subscription rule sets at account level. You can find further information in Chapter 1.2.3.2. of the CRDM UDFS “Message subscription parameter types”. This provides information on the possible message types and their use. Details on the definition of values (predicates such as message type or cash account) for the “Message Subscription Rule Sets” are provided in Chapter 2.3.4.4 “Message Subscription Rule – New/Edit Screen” of the CRDM UHB.	✓
Does the institution’s BIC also have to be provided in the registration form as an AAU?	You must register at least one AAU BIC on the MCA/RTGS DCA, both for CLM and (if participating) for RTGS: one BIC11 as direct participants (type: DIRE) and, where applicable, any number of others addressable BICs (relevant only for RTGS).	✓
Will existing standing orders to T2S be maintained or do they have to be set up again after migration?	You have to set up standing orders to T2S again because the current orders are debited from the PM account, which will no longer be available after migration. When setting up the new orders, you can set either the MCA or the RTGS DCA to be debited.	✓
Can you estimate the time needed for you to create reference data before we, as participants, can actively use the system (e.g. creating additional users)?	Unfortunately we cannot. This time period cannot currently be estimated and depends on many individual factors, such as the timely submission of a correctly completed registration form. For this reason, we will send you an email notification to the address(es) provided in the form as soon as you have to start participating actively.	✓
Is there a still a difference between test and production BIC?	No, separate test BICs are not used in the context of TARGET2/T2S consolidation (in line with T2S and TIPS).	✓
Admin users have an “A” as the first character – is this left blank for non-admins?	Indeed, the login name and SUR (System User Reference) for a NON-admin user would begin with “DE” (the “A” would be dropped).	✓

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<p>Is the NRO prompt activated in CRDM at the start of user testing?</p>	<p>NRO (non-repudiation of origin) prompts are not activated in CRDM at the start of the testing phase. The NRO prompt in CRDM is deactivated during pre-migration and at the start of user testing. It has not yet been decided when NRO prompts for CRDM will be activated. <u>Regardless of this, activation for CLM and RTGS is not planned until April 2022.</u></p>	<p>✓</p>
<p>What “System User Reference” should we enter as the Clearing Member ID in BAH?</p>	<p>In this case, the Clearing System Member ID is the “System User Reference” for the A2A user you created.</p>	<p>✓</p>
<p>How should potential mistakes on the platform be reported to the Bundesbank?</p>	<p>Generally, as a participant in the customer testing phase, you can address all problems or questions either by email (Targetservices-test@bundesbank.de) or by phone to the NSD. If reporting a mistake, please provide a detailed description in English including screenshots and, where applicable, XML messages (there will likely be a separate template for this which you will receive from us by email when the testing phase begins).</p>	<p>✓</p>
<p>Are there contact and availability lists for the bilateral tests?</p>	<p>Our NSD sent an email to all contact persons in the consolidation project on 14 October 2021 at 11:59. In this email, we offered to set up a forum for exchange and to create a contact list. If you are interested in bilateral exchange, please write to us at t2-t2s-training@bundesbank.de.</p>	<p>✓</p>
<p>What screens do the various groups (e.g. Account Monitoring Group) offer the related parties?</p>	<p>Within the Account Monitoring Group (a function that is available only in the CLM and only in U2A), there will be a screen with a liquidity overview of the members of the group (for the leader of the Account Monitoring Group). More detailed information and example screens regarding this function can be found in the CLM UHB, v2.0, which is to be published in December 2021.</p>	<p>✓</p>
<p>Is there a button to move from the service you have selected back to the ESMIG start page?</p>	<p>No, unfortunately there is no such button. However, you can work around this by saving the link to the ESMIG landing page to your favourites. This means that you can access the website quickly at any time and also that you can use</p>	<p>✓</p>

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	multiple services (e.g. CLM and CRDM) at the same time using different browser tabs.	
<p>Why does the Bundesbank recommend that direct participants enter all 15 network services in the registration form (party screen)?</p>	<ul style="list-style-type: none"> • Entering a technical address is not only required to send (A2A) messages; it is also needed if you wish to receive (A2A) messages from the system. These messages are requested using Message Subscription or Report Configuration. • T2 is a new system and, as a participant, you will first get to know how it works during the test phase. In some cases, during your analysis you will assume that a certain message is sent, for example, by RTGS. However, it is actually sent by another service (e.g. CRDM). Requesting another network service can sometimes take a long time, meaning you are unable to use valuable testing time. However, if you realise during the test phase that you actually do not require certain network services, you do not need to request them for production. • It is not possible to make a generalised statement that a message will only ever be sent via the MSGSNF Service, for instance. The use of a communication channel depends on many factors. For example, a message larger than 32 KB will be sent via the FILESNF channel. If, however, this same message is smaller than 32 KB, it will be sent via the MSGSNF channel. Special circumstances such as a “timeout” or an “oversize” can also result in the expected communication channel changing. • In addition, in our of view, there is no risk involved in registering a technical address for each network service, since T2 sends you messages only if you have explicitly requested them using Message Subscription/Report Configuration because you have sent a query to the system and are expecting a response or a payment message has been delivered. <u>T2 does not otherwise send you any messages without being ordered to do so.</u> <p>If you nevertheless still wish to configure only selected network services, please ensure that the selection covers all of your transactions. An overview of example transactions for the</p>	<p style="text-align: right;">✓</p>

Question	Answer	✓ or ✗ i
	corresponding network services is attached as an annex to assist with your analysis.	

Annex: example transactions for the various network services

Network service	Examples (transactions)
CLM	
T2CLM.SWIFT.FILESNF T2CLM.SIA-COLT.FILESNF	Account statement (camt.053) > 32 KB; Query response (response from T2 to queries) > 32 KB, e.g. in the event of a notification that size limits have been exceeded using admi.007
T2CLM.SWIFT.MSGSNF T2CLM.SIA-COLT.MSGSNF	Account statement (camt.053) < 32 KB; Query response (in the event of a timeout using admi.007); Liquidity transfer (camt.050)*; Credit/debit note (camt.054)*
T2CLM.SWIFT.MSGRT T2CLM.SIA-COLT.MSGRT	All types of queries to CLM (e.g. camt.003); Query response (responses from T2 to queries; e.g. camt.004) < 32 KB
RTGS	
T2RTGS.SWIFT.FILESNF T2RTGS.SIA-COLT.FILESNF	Payments (pacs.008, pacs.009,pacs.010, pacs.004) > 32 KB; Account statement (camt.053) > 32 KB; Query response (response from T2 to queries) > 32 KB, e.g. in the event of a notification that size limits have been exceeded using admi.007
T2RTGS.SWIFT.MSGSNF T2RTGS.SIA-COLT.MSGSNF	Payments (pacs.008, pacs.009,pacs.010, pacs.004) < 32 KB; Account statement (camt.053) < 32 KB; Query response (in the event of a timeout using admi.007); Liquidity transfer (camt.050)*; Credit/debit note (camt.054)*; Revocation/recall (camt.056)*
T2RTGS.SWIFT.MSGRT T2RTGS.SIA-COLT.MSGRT	All types of queries to RTGS (e.g. camt.003); Query response (responses from T2 to queries; e.g. camt.004) < 32 KB
CRDM	
T2CRDM.SWIFT.FILESNF T2CRDM.SIA-COLT.FILESNF	RTGS directory > 32 KB; Query responses (responses from CRDM to queries) > 32 KB
T2CRDM.SWIFT.MSGSNF T2CRDM.SIA-COLT.MSGSNF	RTGS directory < 32 KB; Query response (in the event of a timeout using admi.007)
T2CRDM.SWIFT.MSGRT T2CRDM.SIA-COLT.MSGRT	All types of queries to CRDM; Query responses (responses from CRDM to queries < 32 KB
Billing	
T2BILL.SWIFT.FILESNF T2BILL.SIA-COLT.FILESNF	Invoice (camt.077) > 32 KB
T2BILL.SWIFT.MSGSNF T2BILL.SIA-COLT.MSGSNF	Invoice (camt.077) < 32 KB
T2BILL.SWIFT.MSGRT T2BILL.SIA-COLT.MSGRT	
Business day management	

T2BDM.SWIFT.FILESNF T2BDM.SIA-COLT.FILESNF	
T2BDM.SWIFT.MSGSNF T2BDM.SIA-COLT.MSGSNF	Business day information (camt.019) in response to a camt.018 sent to BDM < 32 KB*
T2BDM.SWIFT.MSGRT T2BDM.SIA-COLT.MSGRT	Business day information (camt.018) – query to BDM

* The SnF file channel is also (theoretically) used for these messages if they are larger than > 32 KB

Footnotes/links:

i The questions that are answered in this document are considered **closed** and are marked with the following symbol ✓ . Those where clarification is still required are considered **open** and are marked with ✖ .