

Testing procedures

Version 7

effective from 1 March 2020

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1 Introduction

To participate in CERTIS, a future participant must prove it has the technical and organisational prerequisites, the ability to comply with the payment system agreement and the Rules, and above all:

- a) to introduce and manage an information system necessary for connection to CERTIS and smooth and secure transfer of data files in accordance with Title II of the CERTIS Rules,
- b) to carry out successful testing pursuant to this Annex.

1.1 Basic information

For the purposes of testing a CERTIS testing system is operated which is fully independent of the CERTIS production system. It is used for the testing of future participants, new CERTIS functionalities, the existing participants and the operator.

The CERTIS testing system is subject to the same rules as the production system, with the following exceptions:

- the accounting day ends at 3 p.m., the new accounting day begins at about 4 p.m. The time may be changed operatively depending on the situation in the testing environment,
- input and output files for testing purposes may be sent by e-mail also in an unencrypted form,
- the size of data files is 10 MB at maximum,
- data files, forms and dispatch notes shall be transmitted by e-mail,
- **the forms submitted shall be clearly marked in the right upper corner with the word "TEST",**
- personal signatures on the forms are not required within the testing.

1.2 Contacts

	Administrator	Administrator
Contact person	Petr Kocfelda	Petra Korbasová
Telephone	224 413 355	224 412 058
Mobile	736 524 403	736 524 645
Fax	224 417 507	224 417 507
E-mail:	Petr.Kocfelda@cnb.cz	Petra.Korbasova@cnb.cz

2 Testing procedure

The participant shall test:

- a) the format and structure of the items in the data files (Annex 1 to the CERTIS Rules)
- b) the AMOS system (Annex 2 to the CERTIS Rules)
- c) the AMOS/WS system (Annex 2 to the CERTIS Rules)
- d) the alternative means of transmitting and receiving of data files (Annex 4 to the CERTIS rules)

The following section of the document provides a report containing the individual tests. When the individual tests have been successfully performed, the report has been signed and submitted to the operator, the conditions for the connection to CERTIS and a secure transmission of payment system data files are met.

Test report

Participant's code (numerical):

Participant's name:

Format and structure of items

Test number	Description of the situation tested	Testing procedure	Date of successful test completion
FOR 1	Test of the non-priority input data file format	<ul style="list-style-type: none"> The participant shall send the input data file with non-priority items and the relevant dispatch note for processing. The input data file shall be processed in the CERTIS testing system An abstract of the protocol on processing shall be sent to the participant 	
FOR 2	Test of the priority input data file format	<ul style="list-style-type: none"> The participant shall send the input data file with priority items and the relevant dispatch note for processing. The input data file shall be processed in the CERTIS testing system An abstract of the protocol on processing shall be sent to the participant 	
FOR 3	Test of the non-priority output data file format	<ul style="list-style-type: none"> The output data file with non-priority items shall be sent to the participant The dispatch note shall be sent to the participant The participant shall check the signature and process the data file 	
FOR 4	Test of the priority output data file format	<ul style="list-style-type: none"> The output data file with priority items shall be sent to the participant The dispatch note shall be sent to the participant The participant shall check the signature and process the data file 	

FOR 5	Test of the processing of the summary settlement report	<ul style="list-style-type: none">• The output data file with the items of the summary settlement report (HD:52) shall be sent to the participant• The dispatch note shall be sent to the participant• The participant shall check the signature and process the data file	
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AMOS system

Test number	Description of the situation tested	Testing procedure	Date of successful test completion
AMO 1	Authorised person	<ul style="list-style-type: none"> • The participant shall send the completed form "Specimen signature and electronic specimen signature of the CERTIS participant's authorised person" • The administrator shall register the authorised person 	
AMO 2	User administrator	<ul style="list-style-type: none"> • The participant shall send the completed form "Identification of the CERTIS participant's user administrator" • The administrator shall register the user administrator 	
AMO 3	User registration and role assignment	<ul style="list-style-type: none"> • The user administrator shall establish a user with a PDA role • The user administrator shall establish a user with a DAV role • The user administrator shall establish a user with a POL role 	
AMO 4	Registration of signature certificates	<ul style="list-style-type: none"> • The user administrator (SUZ role) shall create a batch with a certificate • The authorised person (PDA role) shall sign the batch with a certificate using the certificate from AMO 1 • The user with a SUZ or PDA role shall transmit the batch with a certificate for processing 	
AMO 5	Creation of a manual item	<ul style="list-style-type: none"> • The user with a POL role shall create the item • The user with a POL role shall create a batch with the item • The user with a PDA role shall sign the batch with the items using the certificate from AMO 4 • The user with a POL or PDA role shall transmit the batch with the item for processing 	

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AMO 6	Transmission of the batch of items	<ul style="list-style-type: none"> • The user with a DAV role shall register an external batch with the items (CERTIS input data file) • The user with a PDA role shall sign the batch with the items using the certificate from AMO 4 • The user with a DAV or PDA role shall transmit the batch with the items for processing 	
AMO 7	Transmission of the batch of items	<ul style="list-style-type: none"> • The user with a PDA role shall register and sign the external batch with the items (CERTIS input data file) • The user with a DAV or PDA role shall transmit the batch with the items for processing 	

AMOS/WS system (WebServices)

Test number	Description of the situation tested	Testing procedure	Date of successful test completion
AWS 1	User registration	<ul style="list-style-type: none"> The user administrator shall establish a user with access to the AMOS system using the public certificate and set the purpose of the certificate at Web Services 	
AWS 2	Registration of signature certificates	<ul style="list-style-type: none"> The user administrator shall register the signature certificate for signing batches using the web service (AMO 4) 	
AWS 3	putIntoCC function	<ul style="list-style-type: none"> Create input data file Sign the file using the registered certificate (AWS 2) Transmit the file for processing using putIntoCC 	
AWS 4	getProto function	<ul style="list-style-type: none"> Download the protocol on input file processing (AWS 3) using getProto 	
AWS 5	getFromCC function	<ul style="list-style-type: none"> Download the output data file using getFromCC 	
AWS 6	setFromCC function	<ul style="list-style-type: none"> Confirm downloading the output file (AWS 5) using setFromCC 	

Alternative means of transmitting and receiving of data files

Test number	Description of the situation tested	Testing procedure	Date of successful test completion
NZIP 1	Public certificate	<ul style="list-style-type: none"> • The CERTIS participant shall send their public certificate (PostSignum, 1.CA or e-Identity certification authorities) by e-mail to certis@cnb.cz • The e-mail subject shall consist of the participant's code and the text "public certificates" • The administrator shall register the public certificate 	
NZIP 2	Transmitting the participant's e-mail addresses	<ul style="list-style-type: none"> • The CERTIS participant shall send their e-mail address for sending FROMCC files by e-mail to certis@cnb.cz • The e-mail subject shall consist of the participant's code and the text "a-mail addresses" • The administrator shall register the e-mail address 	
NZIP 3	Alternative means of transmitting INTOCC files	<ul style="list-style-type: none"> • The CERTIS participant shall transmit INTOCC files their e-mail address for sending FROMCC by e-mail to certis@cnb.cz or personally • Simultaneously with data files, the participant shall submit a dispatch note • CNB shall send back a confirming e-mail. In the event of errors, a protocol shall be annexed 	
NZIP 4	Alternative means of receiving FROMCC files	<ul style="list-style-type: none"> • The operator shall transmit FROMCC files by e-mail to the participant's email address or personally • Simultaneously with data files, the operator shall submit a dispatch note • The CERTIS participant processed files 	

XAMOS system (Instant payment WebServices)

Test number	Description of the situation tested	Testing procedure	Date of successful test completion
XOP 1	Initialisation of the instant payment (IP) order and the recording thereof, if any, on the payer's account ¹	initInstantPayment: <ul style="list-style-type: none"> • The participant sends the transaction by calling initInstantPayment • The participant receives a reply about the XAMOS transaction receipt status informDebtor: <ul style="list-style-type: none"> • The participant receives information about the decision to make the transaction • If the message is positive, the participant debits the funds to the payer's account • If the message is negative, the participant informs the payer and cancels the block on the payer's account 	
XOP 2	Test of the possibility of receiving an IP and the crediting thereof, if any, to the beneficiary's account	checkInstantPayment: <ul style="list-style-type: none"> • The participant receives a call and checks whether the payment can be credited to the beneficiary's account • The participant responds to the call informCreditor: <ul style="list-style-type: none"> • The participant receives information about the decision to make the transaction • If the message is positive, the participant credits the funds to the beneficiary's account • The participant responds to the call with attached information about T3 	
XOP 3	Check of IP status by the payer's bank ¹	getStatusForDebtor: <ul style="list-style-type: none"> • The participant enquires about the transaction status • The participant receives a response to the call and: <ul style="list-style-type: none"> ○ if the message is positive, the participant debits the funds to the payer's account ○ if the message is negative, the participant informs the payer and cancel the block on the payer's account 	

¹ A bank which will only receive instant payments is not obliged to perform this test.

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XOP 4	Check of IP status by the beneficiary's bank ²	<p>getStatusForCreditor:</p> <ul style="list-style-type: none"> • The participant enquires about the transaction status • If the message is positive, the participant credits the funds to the beneficiary's account • The participant responds to the call with attached information about T3 	
XOP 5	Check of participants involved and their nearest unavailability ¹	<p>getParticipants:</p> <ul style="list-style-type: none"> • The participant enquires about participants involved in the scheme and their nearest unavailability • The participant receives a response to the call and processes it 	
XOP 6	Enquiry by XAMOS about a participant's availability	<p>Ping:</p> <ul style="list-style-type: none"> • XAMOS enquires about availability • The participant responds by calling Pong 	

All the above tests were successfully completed with the reservations below:

Date:

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signature of an authorised person

² A bank involved in the instant payment scheme is not obliged to implement the getStatusForCreditor call.