

# **Testing procedures**

**Version 10**

**effective from 19 May 2025**

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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 for the 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. These times may be changed operatively depending on the situation in the testing environment,
- input and output files for testing purposes may also be sent by e-mail in unencrypted form,
- the maximum size of the data files is 10 MB,
- data files, forms and dispatch notes shall be transmitted by e-mail,
- **the forms submitted shall be clearly marked in the upper right corner with the word “TEST”,**
- handwritten signatures on the forms are not required as part of the testing.

## 1.2 Contacts

	Administrator	Administrator
<b>Contact person</b>	Lucie Paloncyová	Monika Humlová
<b>Telephone</b>	224 418 135	224 413 355
<b>Mobile</b>	739 524 986	732 489 389
<b>Fax</b>	224 417 447	224 417 447
<b>E-mail:</b>	certis@cnb.cz	certis@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 web portal (Annex 2 to the CERTIS Rules)
- c) the AMOS/WS application interface (Annex 2 to the CERTIS Rules)
- d) alternative means of transmitting and receiving data files (Annex 4 to the CERTIS rules)
- e) the XAMOS application interface (WebServices for instant payments) if the direct participant intends to register for the execution of instant payments pursuant to Article 19 of the Rules
- f) the RAMOS application interface (WebServices for PaC Register services) if the direct participant intends to use the services of the PaC Register pursuant to Article 25a of the Rules

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

## 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"> <li>The participant shall send the input data file with non-priority items and the relevant dispatch note for processing.</li> <li>The input data file shall be processed in the CERTIS testing system</li> <li>An abstract of the protocol on processing shall be sent to the participant</li> </ul>	
FOR 2	Test of the priority input data file format	<ul style="list-style-type: none"> <li>The participant shall send the input data file with priority items and the relevant dispatch note for processing.</li> <li>The input data file shall be processed in the CERTIS testing system</li> <li>An abstract of the protocol on processing shall be sent to the participant</li> </ul>	
FOR 3	Test of the non-priority output data file format	<ul style="list-style-type: none"> <li>The output data file with non-priority items shall be sent to the participant</li> <li>The dispatch note shall be sent to the participant</li> <li>The participant shall check the signature and process the data file</li> </ul>	
FOR 4	Test of the priority output data file format	<ul style="list-style-type: none"> <li>The output data file with priority items shall be sent to the participant</li> <li>The dispatch note shall be sent to the participant</li> <li>The participant shall check the signature and process the data file</li> </ul>	
FOR 5	Test of the processing of the summary settlement report	<ul style="list-style-type: none"> <li>The output data file with the items of the summary settlement report (HD:52) shall be sent to the participant</li> <li>The dispatch note shall be sent to the participant</li> <li>The participant shall check the signature and process the data file</li> </ul>	

**AMOS web portal**

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

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

**AMOS/WS application interface (WebServices)**

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



**Alternative means of transmitting and receiving of data files**

Test number	Description of the situation tested	Testing procedure	Date of successful test completion
NZP 1	Public certificate	<ul style="list-style-type: none"> <li>The CERTIS participant shall send a valid public certificate (PostSignum, 1.CA or eldentity certification authorities) by e-mail to <a href="mailto:certis@cnb.cz">certis@cnb.cz</a></li> <li>The e-mail subject shall consist of the participant's code and the text "public certificates"</li> <li>The administrator shall register the public certificate</li> </ul>	
NZP 2	Transmitting the participant's e-mail addresses	<ul style="list-style-type: none"> <li>The CERTIS participant shall send an email to <a href="mailto:certis@cnb.cz">certis@cnb.cz</a> with the e-mail addresses to which the CNB shall send FROMCC files</li> <li>The e-mail subject shall consist of the participant's code and the text "e-mail addresses"</li> <li>The administrator shall register the e-mail address</li> </ul>	
NZ 3	Turning off AMOS/WS	<ul style="list-style-type: none"> <li>The participant turns off the sending/receiving of files via AMOS/WS.</li> </ul>	
NZP 4	Alternative means of transmitting INTOCC files	<ul style="list-style-type: none"> <li>The CERTIS participant shall transmit INTOCC files in an alternative way by e-mail to <a href="mailto:certis@cnb.cz">certis@cnb.cz</a> or in person</li> <li>The participant shall submit a dispatch note at the same time as the data files</li> <li>The CNB shall confirm the processing of all files. In the case of errors, a report shall be attached</li> </ul>	
NZP 5	Alternative means of receiving FROMCC files	<ul style="list-style-type: none"> <li>The CNB shall transmit FROMCC files in an alternative way by e-mail to the address/addresses participant's email address or personally</li> <li>The operator shall submit a dispatch note at the same time as the data files</li> <li>The CERTIS participant processes all the files</li> </ul>	
NZ 6	Turning on AMOS/WS	<ul style="list-style-type: none"> <li>The participant turns on the sending/receiving of files via AMOS/WS.</li> </ul>	

**XAMOS application interface (Instant payment WebServices)**

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

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

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

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

**RAMOS application interface (WebServices for PaC Register)**

Test number	Description of the situation tested	Testing procedure Participant = direct participant	Date of successful test completion
REG 1	Inserting a profile	vlozeniProfilu: <ul style="list-style-type: none"> <li>The participant sends a request to insert a profile for a telephone number that is not in the PaC Register</li> <li>The participant sends a request to insert a profile for a telephone number that is already in the PaC Register</li> </ul>	
REG 2	Enquiry about an account number	dotazCU: <ul style="list-style-type: none"> <li>The participant sends an enquiry about the account number from the REG 1 test and receives a response</li> </ul>	
REG 3	Enquiry about the existence of a profile based on a telephone number	dotazBanka: <ul style="list-style-type: none"> <li>The participant sends an enquiry about the existence of a profile from the REG 1 test and receives a response</li> </ul>	
REG 4	Enquiry about a change in profile status	dotazNaZmenuProfilu: <ul style="list-style-type: none"> <li>The participant sends an enquiry about a change in profile status</li> <li>The participant receives a response to a call and processes it</li> </ul>	
REG 5	Deleting a profile	odstraneniProfilu: <ul style="list-style-type: none"> <li>The participant sends a request to delete a profile from the PaC Register</li> </ul>	
REG 6	Enquiry about service interruption	dotazNaOdstavku: <ul style="list-style-type: none"> <li>The participant sends an enquiry about service interruption of the PaC Register</li> <li>The participant receives a response to a call and processes it</li> </ul>	
REG 7	Enquiry about multiple account numbers <sup>3</sup>	dotazCUMulti: <ul style="list-style-type: none"> <li>The participant sends an enquiry about the account number in the form of a sequence from the REG 1 test and receives a response</li> </ul>	
REG 8	Request for telephone numbers <sup>3</sup>	ziskaniTC: <ul style="list-style-type: none"> <li>Using this enquiry, the participant obtains a list of telephone numbers connected with the payment account it maintains</li> </ul>	

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<sup>3</sup> A participant which will not use this function is not required to perform this test.

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REG 9	List of telephone numbers <sup>3</sup>	seznamTc: <ul style="list-style-type: none"><li>• The participant sends an enquiry about a list of telephone numbers or changes to the list</li></ul>	
REG 10	Enquiry about the profile <sup>3</sup>	dotazNaProfil: <ul style="list-style-type: none"><li>• The participant sends an enquiry about its own profile</li></ul>	

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

Date: .....

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signature of an authorised person