CFCF Test Laboratory Accreditation of CTC advanced GmbH
Compliance to CFCF Annex 2
By Association of German Public Banks

Compliance Report

(Version 1.0, 17.11.2022)

according to

Annex 2, Evaluation Procedure for Terminal & Acquirer System based on nexo Specifications and Testing Laboratory Requirements, Version 4.0, November 2022

Content

1 Generic part

Accreditation object:	Initial CFCF Accreditation of test laboratory CTC Advanced GmbH
Test laboratory / company:	CTC Advanced GmbH Untertürkheimer Straße 6 – 10 D-66117 Saarbrücken / Germany
Facility address:	Untertürkheimer Straße 6 - 10 / Germany
Contact:	Thomas Velhagen e-mail: Thomas.Velhagen@ctcadvanced.com
Date of the audit:	23/02/2022, 23/03/2022
Auditor:	Andreas Pohl, Reinhard Herwig
Date of the audit report:	17th November 2022
CFCF certification body:	Association of German Public Banks (VÖB) Lennéstraße 11 D-10785 Berlin / Berlin
Contact:	Claudia MacGregor phone: +49 (0) 30 / 8192 183 e-mail: claudia.macgregor@voeb.de

2 Introduction

CTC advanced asked VÖB for the test laboratory accreditation within the CFCF Consortium. The requirements to be met for this accreditation are defined in Annex 2 "Evaluation Procedure for Terminal & Acquirer System based on nexo Specifications and Testing Laboratory Requirements", Version 4.0 of November 2022, section 5.

This report explains how compliance with the requirements listed in Annex 2 is achieved by CTC advanced.

3 Compliance with the CFCF Accreditation Requirements

CTC advanced proved evidence of their EMVCo accreditation by providing the EMVCo LoA and the EMVCo audit report by email of 27 June 2022 (see the attachments to this compliance report). An evaluation of these documents proved their completeness and validity according to Annex 2 "Evaluation Procedure for Terminal & Acquirer System based on nexo Specifications and Testing Laboratory Requirements". The latest EMVCo Interim Proficiency Audit Report issued on 3 June 2022, v1.0, being valid until June 2024. The actual EMVCo LoA issued on 15 June 2022 (Accreditation Number: CETI.L.0695) is being valid until 30 June 2024.

Based on that evaluation result VÖB agreed to proceed according to section 5.4.5 "Fast-track accreditation (re-use of an EMVCo Accreditation)" of Annex 2.

Based on that decision the following CFCF requirements are covered by the re-use of the EMVCo Accreditation:

- Security conformance according to Annex 2, section 5.4.1,
- Administrative conformance according to Annex 2, section 5.4.1 and
- Site Visit according to Annex 2, section 5.4.2.

Also the following CFCF requirements are covered by the re-use of the EMVCo Accreditation / EMVCo Interim Proficiency Audit Report:

- Security requirements according to Annex 2, section 5.3.2,
- Administrative requirements according to Annex 2, section 5.3.3,
- Business conformance according to Annex 2, section 5.4.1.

CTC advanced is accredited according to ISO 17025 (see the attachment).

Following Annex 2, section 5.2, "Note", VÖB re-uses CTC advanced's accreditation as a GBIC Test Laboratory within the girocard scheme and therefore decided to abstain from further evidence for the requirements defined in

- Business requirements according to Annex 2, section 5.3.1 and
- Technical requirements according to Annex 2, section 5.3.4.

Compliance to the CFCF accreditation requirements according to section 5.4 and section 5.4.3 of Annex 2 was proven in an audit performed on 23 February 2022 and 2 March 2022 (see chapter 4 of this document).

The test report according Annex 2, section 5.4.3 (1st certification testing) is attached.

The following CFCF requirements are covered by the audit report (see chapter 4) and / or the attached test report according Annex 2, section 5.4.3:

- reference and supplier of the Qualified Test Tool(s) according to Annex 2, section 5.4.5,
- draft of a test report according to Annex 2, section 5.4.5,
- elements proving that its staff possesses the necessary technical expertise according to Annex 2, section 5.4.5,
- documented process about the testing activities to Annex 2, section 5.4.5 and
- requirements concerning the test reports according to Annex 2, section 4.1.

4 Summary Report of the Site Audits (I)

The audit for the validation of the nexo IS V4/CFCF test environment according to Annex 2, section 5.2 was performed on two days; the audits were performed remotely because of the Covid-19 pandemic.

Participants on 23/02/2022:

CTC advanced	Frau Jung
CTC advanced	Herr Becker
SRC / Minutes Writer	Herr Herwig
VÖB / CFCF Certification Body	Herr Pohl

Participants on 02/03/2022:

CTC advanced	Frau Jung
CTC advanced	Herr Becker
CTC advanced	Herr Velhagen
SRC / Minutes Writer	Herr Herwig
VÖB / CFCF Certification Body	Herr Pohl

This document contains a description of the technical equipment used for the test and the results of the review made by the auditor´s SRC and the CFCF Certification Body VÖB, Berlin.

The following test environment has been used for the validation of the expertise of CTC advanced:

- Attended POI-Terminal Hardware N910 of the vendor Newland and Software NaTALI of the vendor TECS telecommunication & e-commercesolutions GmbH (TECS)

  - Serial Number for the hardware: N78201901579

  - Software Build: 2.39.0 Test Application

  - Provisional NEXO registration number: VOB.CTC.TECS.POI.400.21110001A

    - Version: Newland N910
    - NEXO IS version: 4.0
    - Software Product Name: NaTALI
    - Software Provider: TECS
    - Software Version: 2.39.0

- Testtool: FIS OTS v9.65.0.50 based on nexo IS POI Test Cases v4.0.19. The validation of the test tool release v9.65.0.50 by CFCF is finalized.

4.1 nexo-Testcases performed on 23/02/2022 (I+A)

The following table summarises the results of test cases performed during the remote audit on the 23rd of February 2022. The test case selection to be reviewed had been delivered to CTC in advance. The test case execution was explained by the tester.

No.	Test Case Identifier	Remarks	Result
1.	POI.CFG.MGP.UPD.P.00100	Check 2nd StatusReport whether E6 Ids are correctly sent; StatusReport Content for E6 to be checked; Content for Id E6 is missing; has to be solved by TECS before the official CFCF test	PASSED
2.	POI.CFG.UPD.APP.P.00100	Check 2nd StatusReport whether E6 Ids are correctly sent, StatusReport Content for E6 to be checked; Content for Id E6 is missing; has to be solved by TECS before the official CFCF test	PASSED
3.	POI.USE.TMS.MAN.P.00400	TECS Software does not continue after ManagementPlan; has to be solved by TECS before the official CFCF test	PASSED
4.	POI.USE.CCL.ICC.P.00200	Test Case to be improved; TVR=00 check is too strict	PASSED
5.	POI.USE.PAY.KC2.P.01400	ICS is wrong, to be adapted by the lab and test case to be executed during the official CFCF test; test case will be skipped in the audit	PASSED

The audit was halted by the participants due to a fatal error of the terminal and was continued on the 2nd of March.

4.2 nexo-Testcases performed on 02/03/2022 (I+A)

The following table summarises the results of test cases performed during the remote audit continued on the 2nd of March 2022.

No.	Test Case Identifier	Remarks	Result
6.	POI.SF1.PAP.PAP.P.01000	Test Case is passed¸ Pass Criteria checked in Configuration	PASSED
7.	POI.SF1.TRP.DOL.P.00300	Test Case is passed; Pass Criteria checked on receipt	PASSED
8.	POI.SF1.FSL.PRE.P.00110	Pass Criteria checked on receipt and also in the Card Log	PASSED
9.	POI.SF1.KE1.ISP.P.0100	All pass criteria checked correctly	PASSED
10.	POI.NF1.RSA.LNG.P.00100	All pass criteria checked correctly	PASSED
11.	POI.SF1.APS.ALL.00610	All pass criteria checked correctly	PASSED
12.	POI.SF1.APS.ALL.00820	Test case aborted since unexpected message received; to be verified with TECS; XLOG sent to TECS for comparison; has to be solved by TECS before the official CFCF test	PASSED
12.	POI.SF2.KC2.OUT.P.30200	All pass criteria checked correctly	PASSED
14.	POI.SF2.KC3.OUT.P.10100	Test Case execution aborted with Configuration error; TECS will get the XLOG for further analysis; this will be solved bilateral; has to be solved by TECS before the official CFCF test	PASSED

The test execution and analysis of the test cases listed above were correctly performed by the tester. The explanations made by the tester regarding questions of the auditors were detailed enough and competent now.

For questions regarding the test tool CTC advanced was using the FIS JIRA to get questions answered or resolve open issues. CTC advanced got a training session for the usage of the tool from FIS and in addition a small manual.

CTC advanced delivered the test report for the TECS device on 15 November 2022 in accordance with section 5.4.3 "Demonstration of Testing Capabilities" of Annex 2 (see the attachment).

4.3 Constraints

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4.4 Follow-up (I)

The audit was declared by the auditors as "positively completed".

4.5 Legend

"PASSED"   (Meaning: Test lab has passed the audit positively)
"FAILED"   (Meaning: Test lab has to repeat the test execution)
„PENDING"   (Meaning: Test lab has to deliver more information about the test execution)
"-" = Test case could not be performed due time constraints
"I"   Information

5 Summary

It can be confirmed that the relevant requirements for CFCF POI tests within the CFCF Common Functional Certification Framework (CFCF) are fulfilled by CTC advanced GmbH, Saarbrücken, and therefore the test laboratory can be accredited for CFCF POI testing.

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signature VÖB

6 Attachments

- EMVCo LoA (CETI.L.0695; 15.06.2022)
- EMVCo Interim Proficiency Audit Report (v1.0; 03.06.2022)
- ISO 17025 accreditation (09.06.2020)
- Test report according Annex 2, section 5.4.3 (1st certification testing) (v1.1; 15.11.2022)