

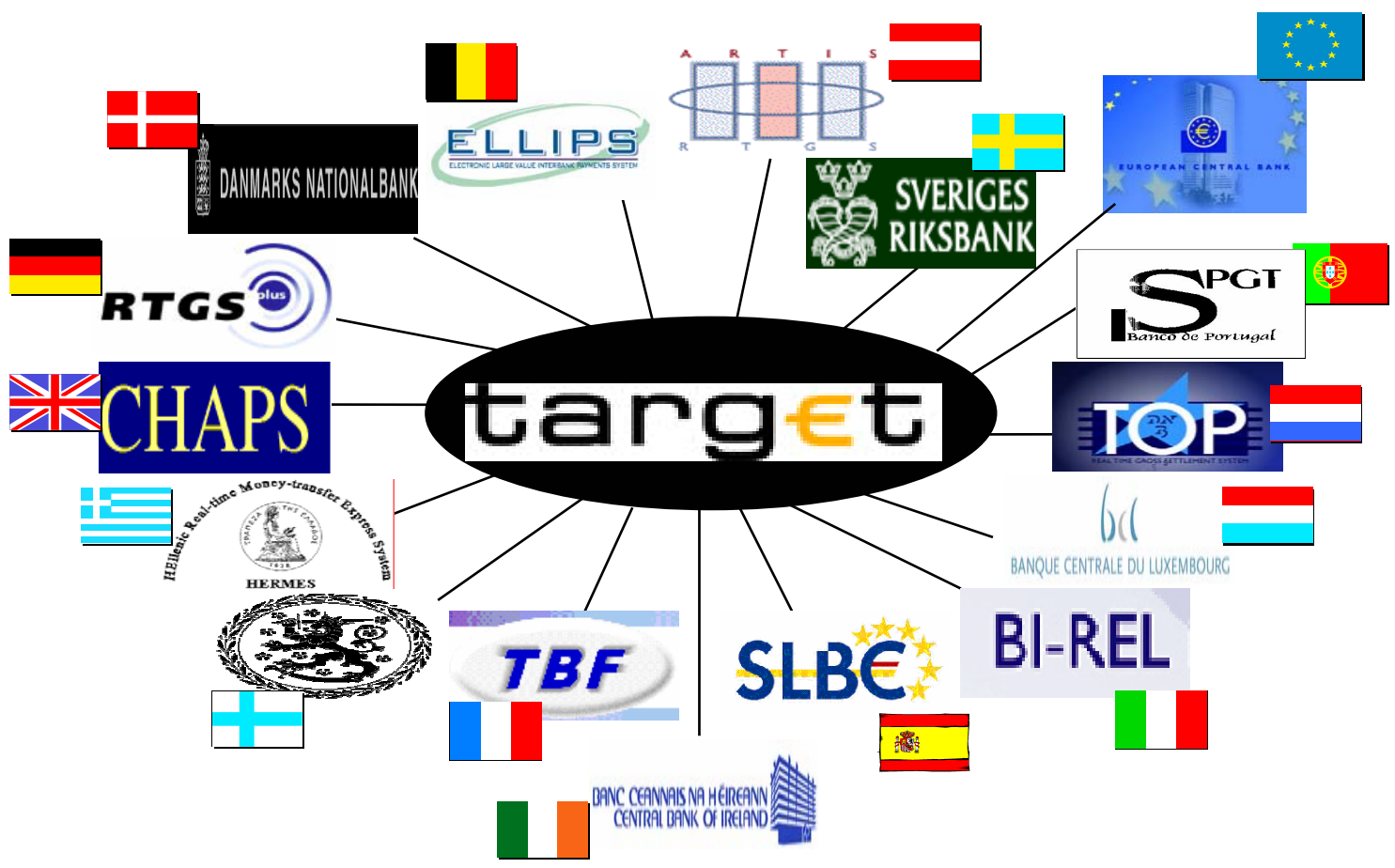
Testaktivitäten

2006/2007

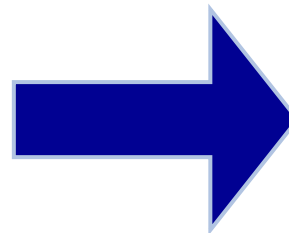
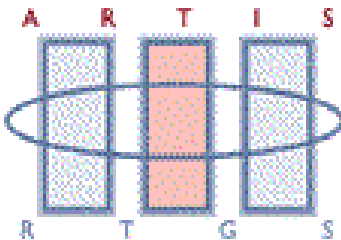
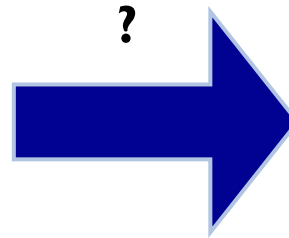
target

Test kick-off 22.02.2006

TARGET heute

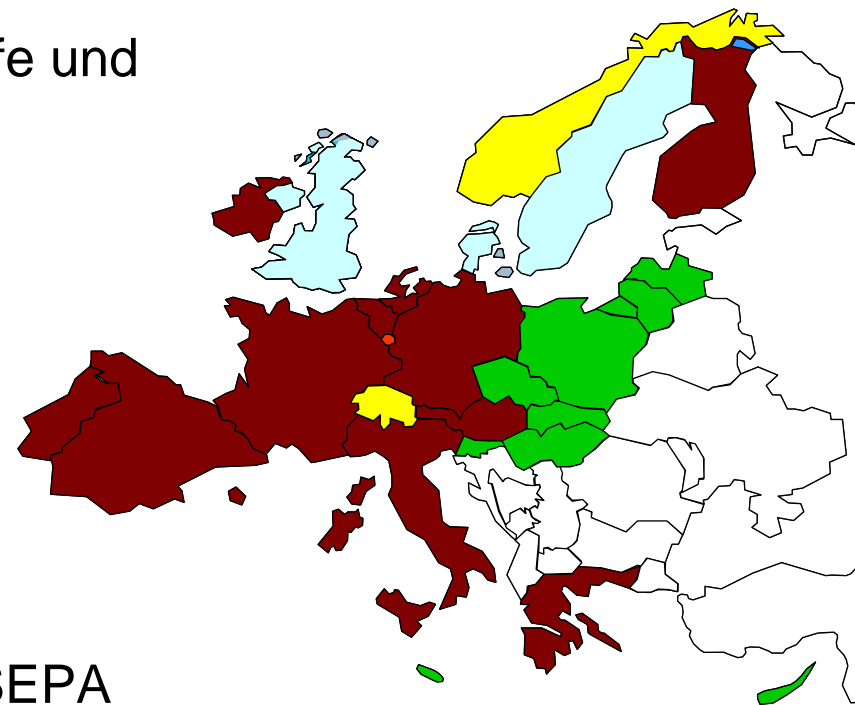


Migration



Wesentliche Veränderungen

- Optimierung Zahlungsabläufe und Liquiditätsmanagement
- Qualitätssteigerung
- Vereinfachter Einsatz von Neuerungen
- EU-Erweiterung
- Entwicklung des Marktes / SEPA



Rolle der Notenbanken / EZB

- Erhaltung dezentraler Bezugssysteme
- Konten auf Nationalbankebene – PHA
- Tägliche Geschäftsabwicklung auf Nationalbankebene
- Austausch von Informationen und Hilfestellung von Banken und angeschlossenen Systemen
- Planung und Strukturierung der nationalen Migration
- Notenbank Eigengeschäfte (Zahlungen, Veranlagungen)

eKonto

- Das eKonto wird nur um die benötigten Dinge für HOAM.AT erweitert, hat aber keinen Zugang zur SSP
- Wer eKonto via SWIFT nutzt kann die technische Infrastruktur für die SSP nutzen.

direkte / indirekte Teilnahme

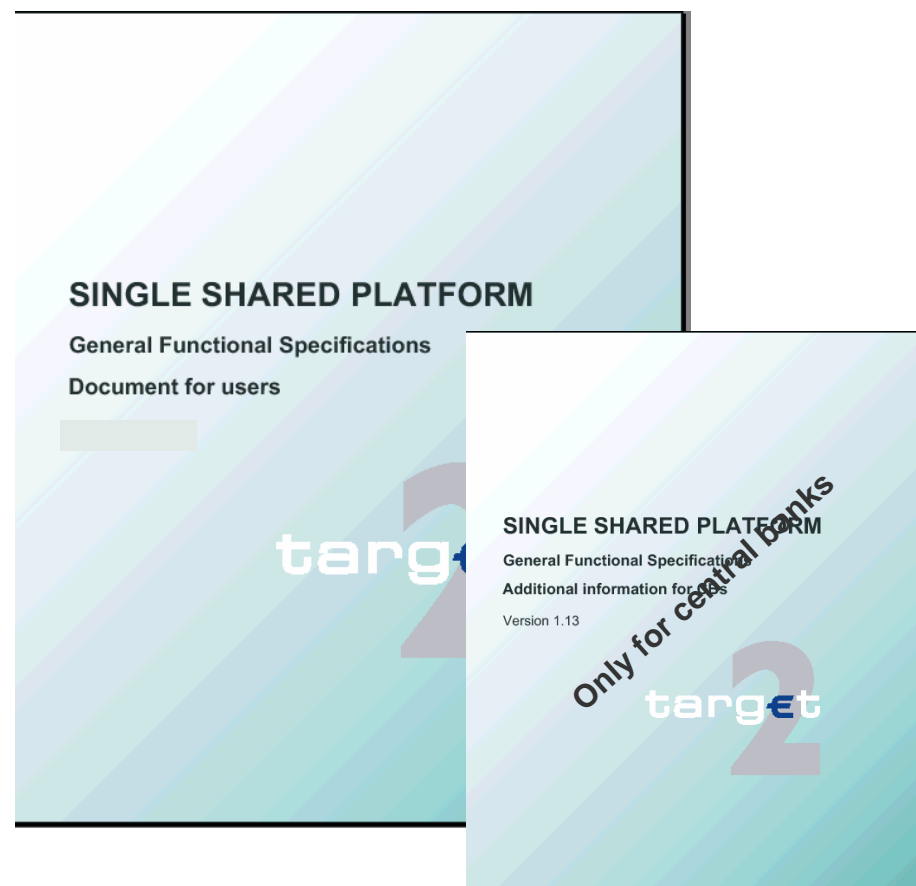
Merkmal	direkte Teilnehmer	indirekte Teilnehmer
Versand und Erhalt von Nachrichten	<ul style="list-style-type: none"> • Eigene SWIFT-Schnittstelle • Service Büro 	via direkten TN
Eigenes RTGS-Konto	JA	NEIN
Liquiditätsversorgung	auf dem eigenen RTGS-Konto	via direkten TN
Liquiditätskontrolle	selbst	via direkten TN
Zugang zum ICM	Ja	Nein
Adressierbarkeit	direkt	via direkten TN
BIC	8 oder 11-stelliger "published" SWIFT BIC	8 oder 11-stelliger "published" SWIFT oder "non-SWIFT BIC"
Veröffentlichung im BIC- / TARGET2 Directory	als direkter TN (XXX)	als indirekter TN (XX+)

Kundeninformation über TARGET2: „General Functional Specifications (GFS)“

Grundlagenpapier für die
Single Shared Platform

„Order book“ für die 3CB, die
die Single Shared Platform
entwickeln

Publikation
August 2004

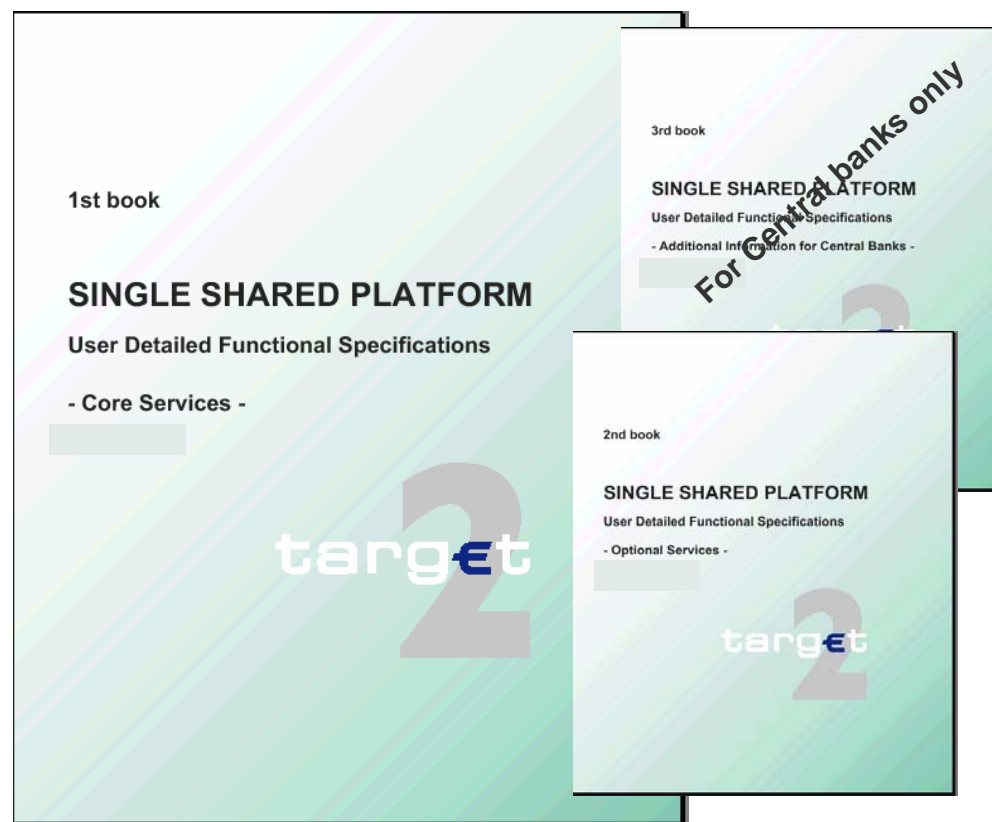


Kundeninformation über TARGET2: „User Detailed Functional Specifications (UDFS)“

**Detaillierte
Beschreibung über
features der Single
Shared Platform**

- Operational
- Technisch

**Basis für die
Vorbereitung der
Teilnahme an der Single
Shared Platform**



Kundeninformation über TARGET2: „User Detailed Functional Specifications (UDFS)“

Management Summary

User Guide für Payment Module

- ⇒ Teilnahme
- ⇒ Zahlungsarten, -fluß und Settlement
- ⇒ Settlement von Ancillary Systems

User Guide für Contingency Module

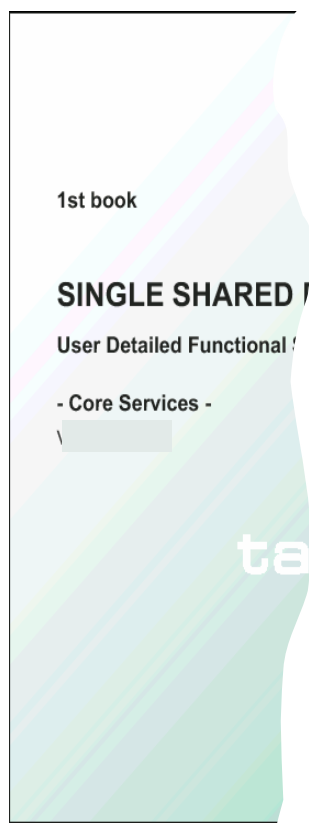
SSP Infrastruktur

ICM User Handbuch (separates Buch)

Contingency Module

Technische Spezifikationen

- ⇒ SWIFTNet FIN
- ⇒ SWIFTNet InterAct und FileAct
- ⇒ TARGET2 Directory



Kundeninformation über TARGET2: „User Detailed Functional Specifications (UDFS)“



User Guide für optionale Module

- ⇒ User Guide für Home Accounting Module (HAM)
- ⇒ User Guide für Reserve Management (RM)
- ⇒ User Guide für Standing Facilities (SF)

ICM User Handbuch (separates Buch)

Technische Spezifikationen


- ⇒ SWIFTNet FIN
- ⇒ SWIFTNet InterAct und FileAct

Rollendefinition - Testkoordinator

Kompetenzen

- Klar abgegrenzte Weisungs- und Entscheidungsbefugnis
- Festlegung von Aufgaben, fachliches Verständnis, Verhandlungsmacht und Verantwortung innerhalb der Tests
- Personelle Besetzung bzw. Ressourcenzuteilung
- Vermeidet Doppelgleisigkeiten durch aktive Kommunikation va. mit dem NMT-Nominierten

Testphasen SSP/OeNB/AT Banken/Kunden



Zeitraum	Uhrzeit	DP	IP ^{via} OeNB	Aktion
12/06-03/07	MO – DO 9:00 – 15:00	X	X	Start Testphase - HOAM.AT mit AT-Banken/Kunden
ca. 03/2007		X	X	Test eKonto
05-06/2007	MO – DO 8:00 – 16:00 FR 8:00 – 14:00 + 1h EoD Procedures	○*	X	Connectivity testing
05-07/2007		○	X	Interoperability testing / certification
05-09/2007		○	X	Interoperability testing / free testing
08-09/2007		○	X	Country testing
September - 5.11/2007		○	X	Business day testing
19.11.2007		X	X	Live Operations

* direkt mit SSP, OeNB ist Supervisor

Was nicht getestet wird

SWIFT Net Connectivity

wird von den 3CB vor der Übergabe an die User Testumgebung getestet

Verarbeitungskapazität für Echtbetrieb

abgedeckt durch Vortests kurz vor dem Echtbetrieb

Einführung der Sicherheitsstandards für den Echtbetrieb

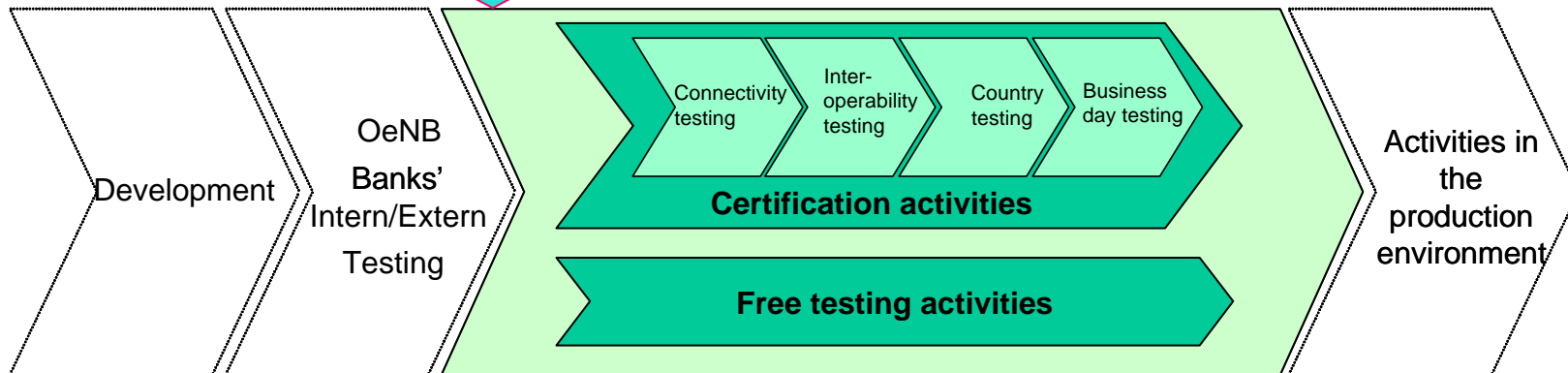
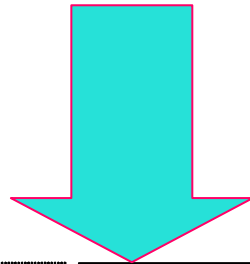
abgedeckt durch Vortests kurz vor dem Echtbetrieb

Simulation vollständiger Business-Days betreffend Timing und Tagesendarbeiten

teilweise abgedeckt durch T2 user testing

Testphasen

Start SSP-Tests



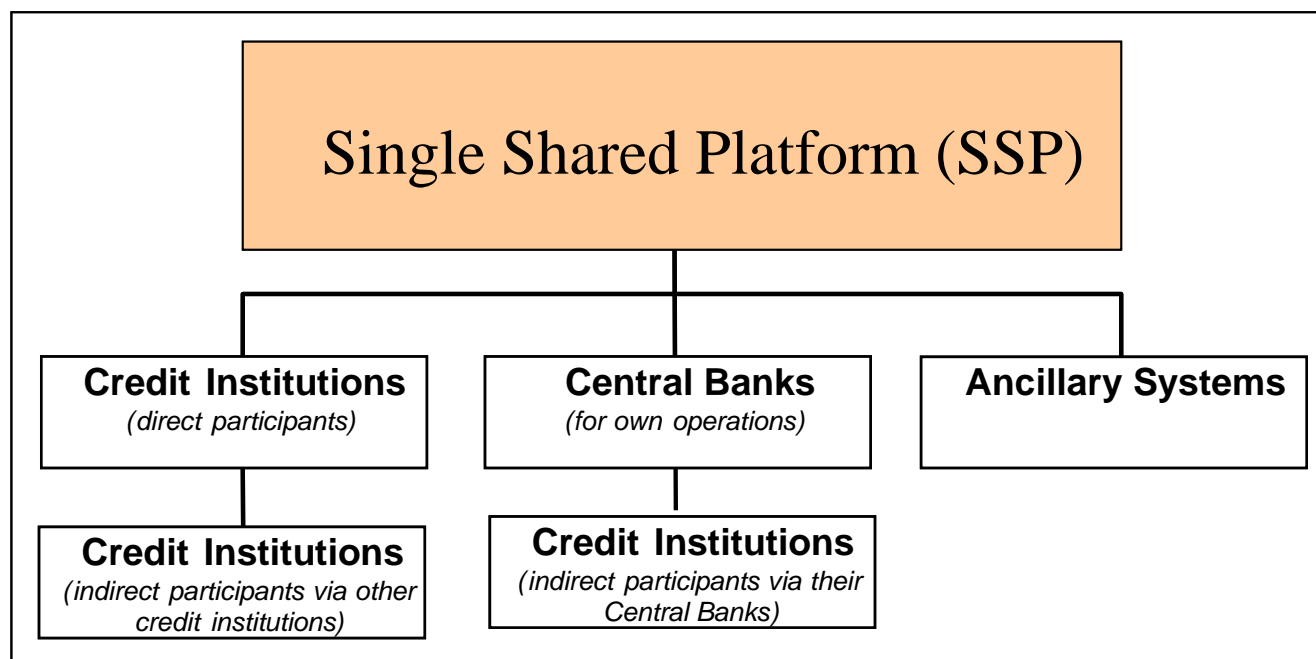
TARGET2 User testing



OeNB hoam.at Tests

Participation:

TARGET2 Participation



TARGET2 participants

Migration:

- TARGET Migration**

Group 1	Group 2	Group 3	Group 4
Austria	Belgium	Denmark	<i>Reserved For contingency</i>
Cyprus	Finland	Estonia	
Germany	France	ECB	
Latvia	Ireland	Greece	
Lithuania	Netherlands	Italy	
Luxembourg	Portugal	Poland	
Malta	Spain		
Slovenia			

Composition of the migration groups

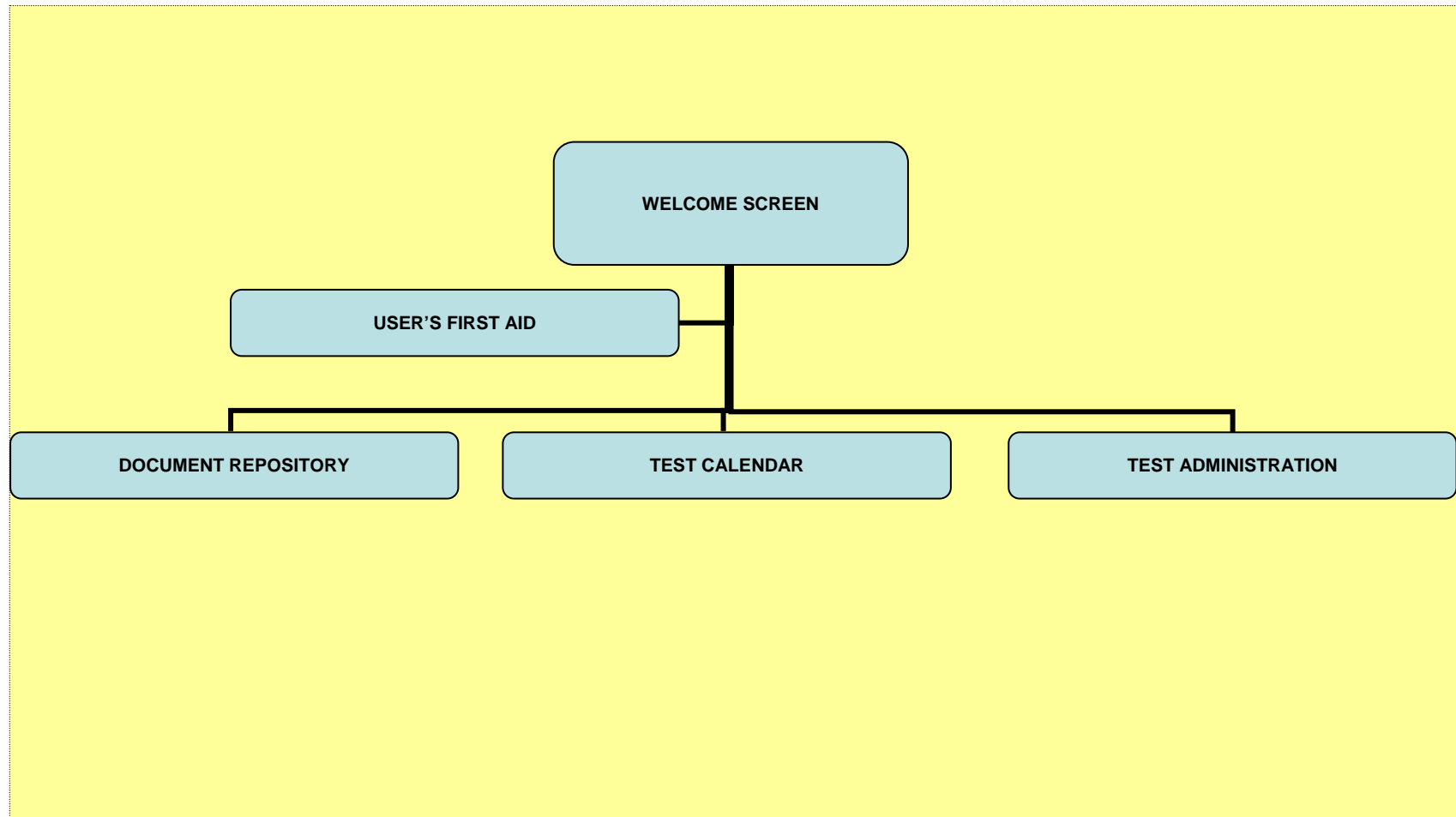
Test Organisation:

- **Test cases:**
 - For all test phases detailed test cases will be provided to TARGET2 users
 - Include clear entry and exit criteria, detailed time schedules, checks to be performed and issues to be reported.
 - For each user test cases/scenarios will depend on several factors
 - Type of participant (e.g. credit institution or ancillary system)
 - Additional services which were subscribed in the Payment Module (e.g. liquidity pooling).
 - The modules which the Central Bank subscribed (e.g. HAM, RM, SF)
 - National specificities (e.g. proprietary modules)

Tools to support testing activities:

- **Target2 Test Related Information System (T2TRIS)**
 - Web based application
 - Primary channel to exchange test related information with the OeNB
 - Support test activities
 - Update information on the TARGET2 test calendar
 - Provide all test cases/scenario
 - User can register and report on test activities
 - Status report on the situation for all registered users.

T2TRIS : Target2 Test Related Information System



User testing:

- **Structure of TARGET2 user testing**
 - **Certification activities**
 - **Connectivity testing**
 - **Interoperability testing**
 - **Country testing**
 - **Business day testing**
 - **Free activity testing**

Connectivity testing:

- **Scope: Ability of a TARGET2 direct participant to connect to the SSP.**
 - SWIFT Net connectivity to the FIN Copy service
 - Set up of TARGET2 Closed User Group (CUG)
 - IP connectivity required to use Information and Control Module (ICM)
- Time needed: ??????
- Registration OeNB before start of test and report back on outcome when complete via T2TRIS

Interoperability testing:

- **Scope:** Verify that TARGET2 user is able to exchange correctly formatted information with the new system.
 - Interoperability testing
 - Successful completion of connectivity test
 - Sending of payments to TARGET1 or TARGET2 participants
 - Use of limits
 - Handling of payment priority
 -
 - Time needed.
 - Depends on number of test cases ??????

Country testing:

- **Scope:** To assess the readiness of national banking community to make use of the new system.
 - Participation of TARGET2 users within one country
 - Central banks, credit institutions, ancillary systems
 - Simulate the running of several business days under normal and abnormal situations
 - Cover processing, payment exchange between participant (intra) settlement of ancillary systems and end of day processing

Business day testing:

- **Scope** : Test between different National Banking Communities joining the SSP within the same migration group.
 - Simulate the running of several TARGET days in a row under normal and abnormal conditions
 - Start-of-day processing
 - Payment exchange between participants
 - Payment of exchange between TARGET1 and TARGET2 participants
 - Settlement of ancillary systems
 - End-of-day processing

Free testing activities:

- **Scope:** To give participants flexibility for TARGET2 testing in their preparatory work.
 - No registration no reporting
 - Running interoperability tests in non-certification mode
 - Multilateral test to be arranged between voluntary participants;
 - Multi-country players arrange test with branches
 - Direct participants organising test with its indirect participant
 - Ancillary systems can test the settlement of its participants position
 - Slot for testing will be reserved all along the user test period.

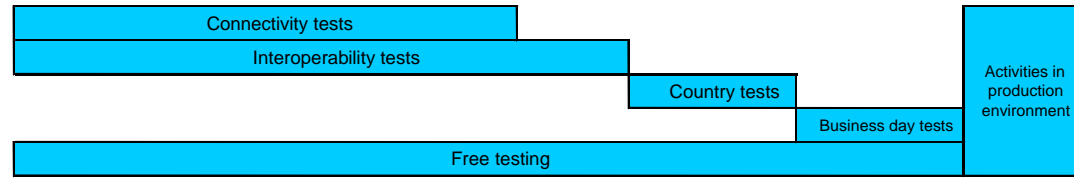
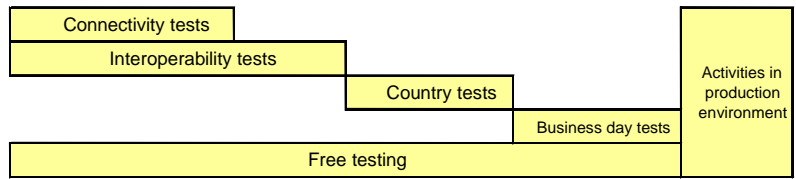
Availability of testing environment:

- **Monday to Thursday from 8:00 until 16:00**
 - 1 hour will be used by the Central Banks for end-of-day procedures
- **Friday from 8:00 until 14:00**
 - 1 hour will be used by the Central Banks for end-of-day procedures
- **One day per month system unavailable for maintenance (dates will be communicated in advance)**

Timetable:

Jan. 07 | Feb. 07 | Mar. 07 | Apr. 07 | May. 07 | Jun. 07 | Jul. 07 | Aug. 07 | Sep. 07 | Nov. 07 | Dec. 07 | Jan. 08 | Feb. 08 | Mar. 08 | Apr. 08 | May. 08

OeNB
Bank's
Intern/Extern
Testing

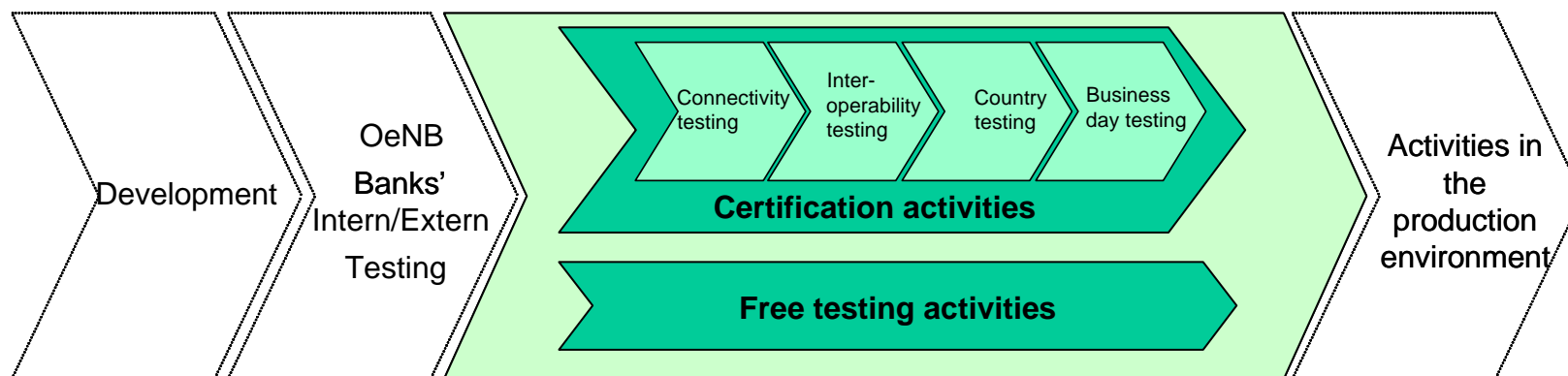


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Overview:



TARGET2 User testing

**Wir danken für Ihr Interesse
und
Ihre Aufmerksamkeit!**



**Questions
& Answers**

Informationen und Kontakte

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<http://zahlungsverkehr.oenb.at>