



Groupement des Cartes Bancaires "CB"

CB TEST PRODUCTS & SERVICES CATALOGUE

"In as much as the intellectual property code authorizes, under the terms of paragraphs 2° and 3° of article L. 122-5, on the one hand, only "copies or reproductions strictly reserved for the copier's private use and not intended for collective use," and, on the other hand, subject to the name of the author and of the source, only "analyses and short quotations justified by their critical, polemical, educational, scientific or informative character", all representation or reproduction in whole or in part, made without the consent of the author or his or her legal successors or eligible parties, is illegal (article L. 122-4). This representation or reproduction, by whatever means, would therefore constitute an unauthorized edition sanctioned by articles L.335-2 and following of the Intellectual Property Code."

Reference: CB-DPE-ESF

Article code: -

Version: 3.3

Publication date: 20 Mars 2018

MODIFICATIONS FOLLOW-UP

Version	Date	Modifications
7/02/2017	2.6	New version
8/03/2017	2.7	Adding ST11DrMC and ST11DdMC batches
11/05/17	2.8	Correcting § 3.5 et 3.9 tables
19/05/17	2.9	Adding information on PIN code
7/08/17	3.0	Adding information on merchant contract
05/12/17	3.1	Adding information on merchant contract
02/03/2018	3.2	Adding information on merchant contract
20/03/2018	3.3	Diagram update on p.7 and adding information about test card services on foreign country

SOMMAIRE

1	INTRODUCTION	4
2	IMPLEMENTATION	4
2.1	CB test cards	4
2.2	CB development cards	7
3	CB CARD BATCHES GENERAL PRESENTATION	9
3.1	Main characteristics of batch	9
3.2	Batches	9
3.2.1	Standard test card batch on MasterCard specification	9
3.2.2	Standard test card batch on Visa specification	9
3.2.3	Diverse test card batch on MasterCard specification	10
3.2.4	Diverse test card batch on Visa specification	11
3.2.5	Development test card batch on MasterCard specification	12
3.2.6	Development test card batch on Visa specification	12
3.2.7	Diverse development card batch on MasterCard specification	13
3.2.8	Diverse development card batch on Visa specification	15
4	TEST MERCHANT CONTRACT	16
4.1	CB test merchant contract characteristics	16
4.2	CB test merchant card characteristics (P03)	18
5	CARD DESIGN AND MAGSTRIPE	19
5.1	Design	19
5.2	Embossing	20
5.3	Magstripe Characteristics	20
6	CARD ORDERING	20

1 INTRODUCTION

CB proposes cards for development, integration, maintenance of payment application on acceptance systems.

There are two types of cards:

- Test cards to be used for installation, integration and maintenance of payment applications in the field.
- Development cards to be used for development, test and maintenance of payment applications in laboratory.

These cards may work through contact and possibly contactless interfaces. When a card works through both interfaces, it is said to be a dual interface card. They can be used for payment transactions.

This document describes implementation principles and the catalog of cards.

2 IMPLEMENTATION

For test and development cards to be used with an acceptance system, in France or within foreign country according to the *ARTICLE 9 – TERRITORIALITY* (Cf. « user agreement ») it is required that:

- Acceptance system be loaded with at least a CB application which works through contact and/or contactless interfaces (according to the type of transaction) and initialized by an acquirer system.
- Application(s) be initialized with a merchant contract which allows the use of such cards.
- Acceptance system be connected to a test or development authorization server depending on the type of card.

2.1 *CB test cards*

CB test cards are accepted on live merchant acceptance system or on maintenance platform connected to an acquirer system (either an acquirer bank or a CB test acquirer). They can be used to perform offline or online transactions (connection to an authorization server).

Only the CB test authorization server (SAT) is able to provide authorizations. All CB test cards are identified on the SAT (except card with range 10 in diverse batches – 19 digits PAN length). SAT manages authorization requests issued by test cards by performing risk management (card parameters checking, flow checking, stop list) and cryptographic calculation (ARQC checking, ARPC calculation). SAT is configured so that each card has a floor limit of 15 euros on rolling 7 days.

Example of test card behaviour:

Day	Transaction amount	Transaction type	Accumulation on server	Server decision
D	5€	Online	5€	Accepted
D+1	1€	Online	6€	Accepted
D+4	7€	Online	13€	Accepted
D+7	4€	Online	17€	Declined
D+7	2€	Online	15€	Accepted
D+8	-	-	10€*	-

* (Amount J+7) – (Amount J)

Available services on CB test authorization server:

	CB 5.2	Bulletin 12 V2.0	Bulletin 12 V2.1	Bulletin 12 V3	CB5.5	
	Contact	Sans contact	Sans contact	Sans contact	Contact	Sans contact
Proximity payment	X	X	X	X	X	X
Remote payment	-	-	-	-	-	-
Distant payment (manual acquisition)	-	-	-	-	-	-
Vending machine payment	X	X	X	X	X	X
Quasi-cash payment	X	-	-	-	X	-
ATM Cash withdrawl	-	-	-	-	-	-
Cash withdrawl	-	-	-	-	-	-
Pre-authorization	X	-	-	-	X	-
Payment for goods and services rental	X				X	

Only contact or contactless chip transactions (Champ 22 = 05 or 07) are authorized on the CB test authorization server and may result in accepted transactions.

Transactions may be performed without authorization request (offline transaction) if under amount and number floor limit specified for each card profile.

Two types of merchant contracts may be used with CB test cards:

- Test merchant contract.
- Merchant contract of and acquirer bank.

Only these merchant contracts can be used because they are linked to an acquirer system connected to the CB network (e-rsb) which can perform transactions routing with CB test card to the SAT.

Data provided to acquirer systems via SICB are used to initialize acceptance systems to perform transactions with CB test cards:

- BIN: 501767 (this is a test BIN which must be supported by an acquirer system to which acceptance system is connected),
- Certification authority public RSA key and parameters.

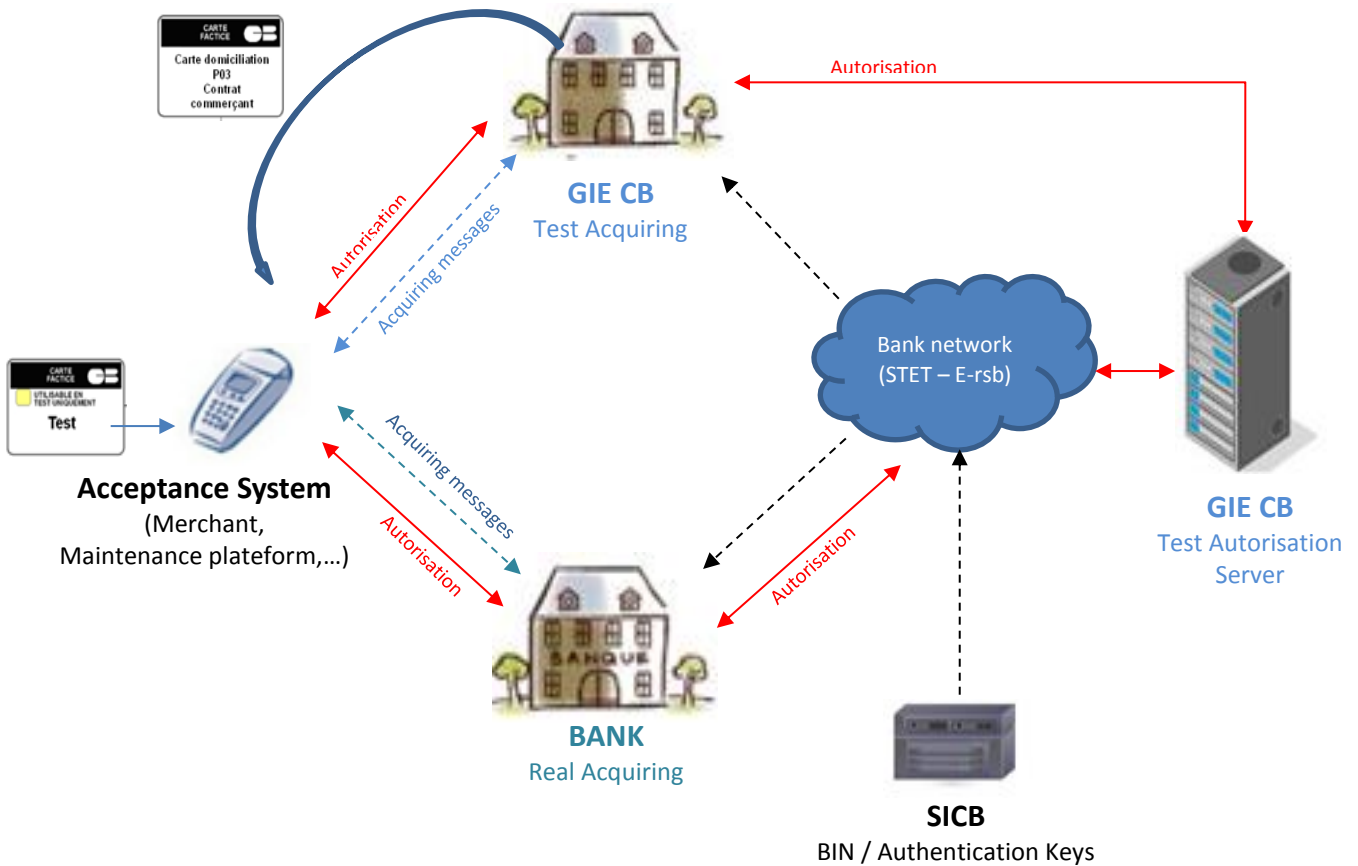
Remarks:

- Initialization of CB application with a CB test merchant contract is performed with a test merchant card (P03 card).
- Transactions performed with CB test cards are cancelled during clearing by a telecollection center (acquirer system).
- Some CB payment applications, such as vending machines payment, require a switch from production mode to test mode to perform transactions with CB test cards. Methods for switching are under responsibility of the acceptance system vendor.

IT IS MANDATORY TO PERFORM A CONTACT TRANSACTION BEFORE USING CB TEST CARD THROUGH CONTACTLESS INTERFACE.

Acceptance system issues an authorization request with the first transaction performed on the contact interface. Following a positive answer from the SAT, it shall be possible to perform transactions on the contactless interface.

Scheme for using CB test cards



2.2 CB development cards

It is the responsibility of the user of CB development cards to implement a simulator and a test authorization server. The user must check value of keys and must be sure that he knows the policy for:

- Card definition.
- Risk management (floor limits, stop list).
- Application blocking/unblocking.

CB provides the document DEVELOPMENT KEY VALUES to be used with CB development cards (cryptogram calculation, offline authentication).

It is necessary that CB payment application be initialized on acceptance system for CB development cards to work. Initialization is performed by downloading data via a simulator or a test acquirer system:

- BIN: 507100,
- Certification authority public key and other parameters provided in the document DEVELOPMENT KEY VALUES.

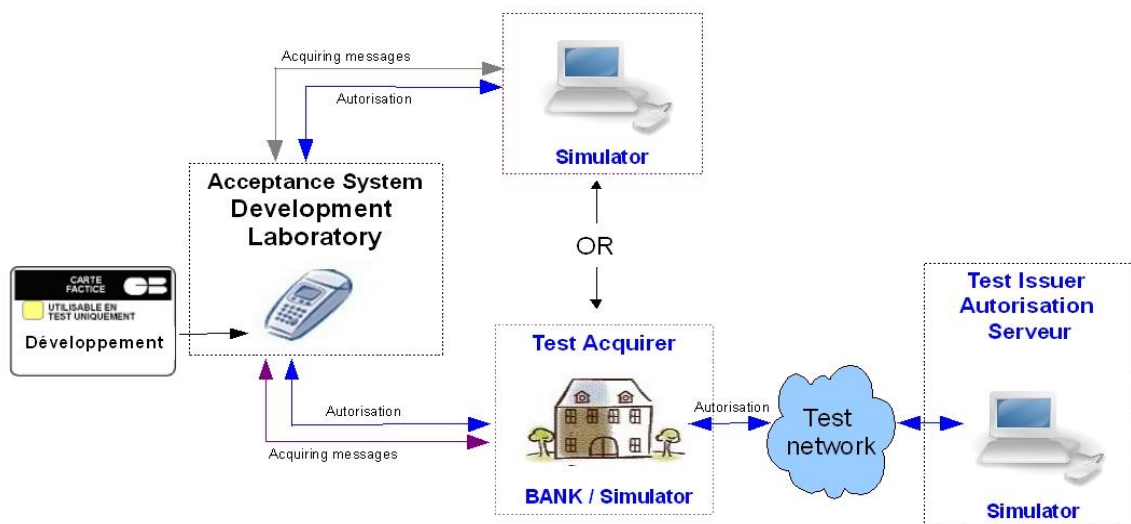
CB development cards do not work with acceptance system in the field. Online transactions are not routed by CB Network to the SAT.

Tables and scheme below explain the way to use **CB development cards**

Contact development card and Dual interface development card

	Development environnement			
	Test network		Simulator	
	contact	Dual interface	contact	Dual interface
« Offline » payment	Possible*	Possible*	Possible*	Possible*
« Online » payment	Possible*	Possible*	Possible*	Possible*
Withdrawal	Possible*	Impossible	Possible*	Impossible

*Possible: transactions may be accepted.



Remark :

Some CB payment applications, such as vending machines payment, require a switch from production mode to test mode to perform transactions with CB development cards. Methods for switching are under the responsibility of the acceptance system vendor.

IT IS MANDATORY TO PERFORM A CONTACT TRANSACTION BEFORE USING CB DEVELOPMENT CARD THROUGH CONTACTLESS INTERFACE.

3 CB CARD BATCHES GENERAL PRESENTATION

3.1 Main characteristics of batch

Each batch is composed of 10 cards the characteristics of which are specified in the tables below. A batch Id. is structured as follows: TL | VBA | (D) | x | BA | yy with

TL = Batch type	ST	Standard batch – all the cards in the batch are the same
	VA	Diverse batch – each card in the batch is specific
VBA= Specification version	10	M/Chip 4/PayPass 1.4 – Visa 1.4.1
	11	M/Chip Advance 1.1 – Visa 1.5.4/VCPS 2.1.2
D = Interface type	D	Optional – Dual interface (contact and contactless)
x = Card type	R	Test card
	D	Development card
BA= Scheme Specification	V	Visa
	MC	MasterCard
yy = range	01 à 10	Card number in the batch
VL = Batch version	17	17 for all batches in the current version of the catalogue

3.2 Batches

3.2.1 Standard test card batch on MasterCard specification

<u>Batch Id.</u>	<u>Batch type</u>	<u>Specification version</u>	<u>Techno.</u>	<u>Card type</u>	<u>Application Base</u>	<u>Card range</u>	<u>Batch version</u>	<u>Product</u>	<u>Characteristics</u>
<u>ST10DrMC</u>	<u>Standard</u>	<u>M/Chip 4 and PayPass 1.4</u>	<u>Dual interface</u>	<u>Test</u>	<u>MasterCard</u>	<u>:</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/MasterCard payment/withdrawal</u>
<u>ST11DrMC</u>	<u>Standard</u>	<u>M/Chip Advance</u>	<u>Dual interface</u>	<u>Test</u>	<u>MasterCard</u>	<u>:</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/MasterCard payment/withdrawal</u>

3.2.2 Standard test card batch on Visa specification

<u>Batch Id.</u>	<u>Batch type</u>	<u>Specification version</u>	<u>Techno.</u>	<u>Card type</u>	<u>Application Base</u>	<u>Card range</u>	<u>Batch version</u>	<u>Product</u>	<u>Characteristics</u>
<u>ST11DrV</u>	<u>Standard</u>	<u>VIS 1.5.4 and</u>	<u>Dual</u>	<u>Test</u>	<u>Visa</u>	<u>:</u>	<u>17</u>	<u>OT CB</u>	<u>CB/Visa payment/withdrawal</u>

		<u>VCPS 2.1.2</u>	<u>interface</u>					<u>V3.4</u>	
--	--	-------------------	------------------	--	--	--	--	-------------	--

3.2.3 Diverse test card batch on MasterCard specification

<u>Batch Id.</u>	<u>Type de lot</u>	<u>Version Base applicative</u>	<u>Techno.</u>	<u>Type de carte</u>	<u>Application Base</u>	<u>Card range</u>	<u>Batch version</u>	<u>Produ ct</u>	<u>Characteristics</u>
<u>VA10rMC01</u>	<u>Diverse</u>	<u>M/Chip4 and PayPass 1.4</u>	<u>Contact</u>	<u>Test</u>	<u>MasterCard</u>	<u>1</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB payment/withdrawal</u>
<u>VA10rMC02</u>	<u>Diverse</u>	<u>M/Chip4 and PayPass 1.4</u>	<u>Contact</u>	<u>Test</u>	<u>MasterCard</u>	<u>2</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB systematic authorization</u>
<u>VA10rMC03</u>	<u>Diverse</u>	<u>M/Chip4 and PayPass 1.4</u>	<u>Contact</u>	<u>Test.</u>	<u>MasterCard</u>	<u>3</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB withdrawal</u>
<u>VA10rMC04</u>	<u>Diverse</u>	<u>M/Chip4 and PayPass 1.4</u>	<u>Contact</u>	<u>Test</u>	<u>MasterCard</u>	<u>4</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/MasterCard payment/withdrawal</u>
<u>VA10rMC05</u>	<u>Diverse</u>	<u>M/Chip4 and PayPass 1.4</u>	<u>Contact</u>	<u>Test</u>	<u>MasterCard</u>	<u>5</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/MasterCard systematic authorization</u>
<u>VA10rMC06</u>	<u>Diverse</u>	<u>M/Chip4 and PayPass 1.4</u>	<u>Dual</u>	<u>Test</u>	<u>MasterCard</u>	<u>6</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/MasterCard payment/withdrawal with card key length 1152 bits and $2^{16}+1$ exponent</u>
<u>VA10rMC07</u>	<u>Diverse</u>	<u>M/Chip4 and PayPass 1.4</u>	<u>Dual</u>	<u>Test</u>	<u>MasterCard</u>	<u>7</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/MasterCard payment/withdrawal with enciphered offline PIN with card key 1152 bits et exponent 3</u>
<u>VA10rMC08</u>	<u>Diverse</u>	<u>M/Chip4 and PayPass 1.4</u>	<u>Contact</u>	<u>Test</u>	<u>MasterCard</u>	<u>8</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/MasterCard with multi-currencies supported, enciphered offline PIN with specific encipherment key 1152 bits and exponent 3</u>
<u>VA10rMC09</u>	<u>Diverse</u>	<u>M/Chip4 and PayPass 1.4</u>	<u>Contact</u>	<u>Test</u>	<u>MasterCard</u>	<u>9</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/MasterCard payment/withdrawal with one CB debit application, one CB credit application and one MasterCard</u>

CB Test Products & Services – Catalogue

									<u>application</u>
<u>VA10rMC10</u>	<u>Diverse</u>	<u>M/Chip4 and PayPass 1.4</u>	<u>Contact</u>	<u>Test</u>	<u>MasterCard</u>	<u>10</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/MasterCard payment/withdrawal with 19 digits PAN length</u>

3.2.4 Diverse test card batch on Visa specification

<u>Batch Id.</u>	<u>Batch type</u>	<u>Specification version</u>	<u>Techno.</u>	<u>Card type</u>	<u>Application Base</u>	<u>Card range</u>	<u>Batch version</u>	<u>Produ it</u>	<u>Characteristics</u>
<u>VA11rV01</u>	<u>Diverse</u>	<u>VIS 1.5.4 and VCPS 2.1.2</u>	<u>Contact</u>	<u>Test</u>	<u>Visa</u>	<u>1</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB payment/withdrawal</u>
<u>VA11rV02</u>	<u>Diverse</u>	<u>VIS 1.5.4 and VCPS 2.1.2</u>	<u>Contact</u>	<u>Test</u>	<u>Visa</u>	<u>2</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB systematic authorization</u>
<u>VA11rV03</u>	<u>Diverse</u>	<u>VIS 1.5.4 and VCPS 2.1.2</u>	<u>Contact</u>	<u>Test</u>	<u>Visa</u>	<u>3</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB withdrawal</u>
<u>VA11rV04</u>	<u>Diverse</u>	<u>VIS 1.5.4 and VCPS 2.1.2</u>	<u>Contact</u>	<u>Test</u>	<u>Visa</u>	<u>4</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/Visa payment/withdrawal</u>
<u>VA11rV05</u>	<u>Diverse</u>	<u>VIS 1.5.4 and VCPS 2.1.2</u>	<u>Contact</u>	<u>Test</u>	<u>Visa</u>	<u>5</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/Visa systematic authorization</u>
<u>VA11rV06</u>	<u>Diverse</u>	<u>VIS 1.5.4 and VCPS 2.1.2</u>	<u>Dual</u>	<u>Test</u>	<u>Visa</u>	<u>6</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/Visa payment/withdrawal with card key length 1152 bits and $2^{16}+1$ exponent</u>
<u>VA11rV07</u>	<u>Diverse</u>	<u>VIS 1.5.4 and VCPS 2.1.2</u>	<u>Dual</u>	<u>Test</u>	<u>Visa</u>	<u>7</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/Visa payment/withdrawal with enciphered offline PIN with card key 1152 bits et exponent 3</u>
<u>VA11rV08</u>	<u>Diverse</u>	<u>VIS 1.5.4 and VCPS 2.1.2</u>	<u>Contact</u>	<u>Test</u>	<u>Visa</u>	<u>8</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/Visa with multi-currencies supported, enciphered offline PIN with specific encipherment key 1152 bits and exponent 3</u>
<u>VA11rV09</u>	<u>Diverse</u>	<u>VIS 1.5.4 and VCPS 2.1.2</u>	<u>Contact</u>	<u>Test</u>	<u>Visa</u>	<u>9</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/Visa payment/withdrawal with one CB debit application, one CB credit application and one Visa application</u>

<u>VA11rV10</u>	<u>Diverse</u>	<u>VIS 1.5.4 and VCPS 2.1.2</u>	<u>Contact</u>	<u>Test</u>	<u>Visa</u>	<u>10</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/Visa payment/withdrawal with 19 digits PAN length</u>
-----------------	----------------	---------------------------------	----------------	-------------	-------------	-----------	-----------	-------------------	---

3.2.5 Development test card batch on MasterCard specification

<u>Batch Id.</u>	<u>Batch type</u>	<u>Specification version</u>	<u>Techno.</u>	<u>Card type</u>	<u>Application Base</u>	<u>Card range</u>	<u>Batch version</u>	<u>Product</u>	<u>Characteristics</u>
<u>ST10DdMC</u>	<u>Standard</u>	<u>M/Chip 4 and PayPass 1.4</u>	<u>Dual interface</u>	<u>Dev.</u>	<u>MasterCard</u>	<u>-</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/MasterCard payment/withdrawal</u>
<u>ST11DdMC</u>	<u>Standard</u>	<u>M/Chip Advance</u>	<u>Dual interface</u>	<u>Dev.</u>	<u>MasterCard</u>	<u>-</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/MasterCard payment/withdrawal</u>

3.2.6 Development test card batch on Visa specification

<u>Batch Id.</u>	<u>Batch type</u>	<u>Specification version</u>	<u>Techno.</u>	<u>Card type</u>	<u>Application Base</u>	<u>Card range</u>	<u>Batch version</u>	<u>Product</u>	<u>Characteristics</u>
<u>ST11DdV</u>	<u>Standard</u>	<u>VIS 1.5.4 and VCPS 2.1.2</u>	<u>Dual interface</u>	<u>Dev.</u>	<u>Visa</u>	<u>-</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/Visa payment/withdrawal</u>

3.2.7 Diverse development card batch on MasterCard specification

<u>Batch Id.</u>	<u>Batch type</u>	<u>Specification version</u>	<u>Techno.</u>	<u>Card type</u>	<u>Application Base</u>	<u>Card range</u>	<u>Batch version</u>	<u>Product</u>	<u>Characteristics</u>
<u>VA10dMC01</u>	<u>Diverse</u>	<u>M/Chip4 and PayPass 1.4</u>	<u>Contact</u>	<u>Dev.</u>	<u>MasterCard</u>	<u>1</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB payment/withdrawal</u>
<u>VA10dMC02</u>	<u>Diverse</u>	<u>M/Chip4 and PayPass 1.4</u>	<u>Contact</u>	<u>Dev.</u>	<u>MasterCard</u>	<u>2</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB systematic authorization</u>
<u>VA10dMC03</u>	<u>Diverse</u>	<u>M/Chip4 and PayPass 1.4</u>	<u>Contact</u>	<u>Dev.</u>	<u>MasterCard</u>	<u>3</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB withdrawal</u>
<u>VA10dMC04</u>	<u>Diverse</u>	<u>M/Chip4 and PayPass 1.4</u>	<u>Contact</u>	<u>Dev.</u>	<u>MasterCard</u>	<u>4</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/MasterCard payment/withdrawal</u>
<u>VA10dMC05</u>	<u>Diverse</u>	<u>M/Chip4 and PayPass 1.4</u>	<u>Contact</u>	<u>Dev.</u>	<u>MasterCard</u>	<u>5</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/MasterCard systematic authorization</u>
<u>VA10dMC06</u>	<u>Diverse</u>	<u>M/Chip4 and PayPass 1.4</u>	<u>Dual</u>	<u>Dev.</u>	<u>MasterCard</u>	<u>6</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/MasterCard payment/withdrawal with card key length 1152 bits and $2^{16}+1$ exponent</u>
<u>VA10dMC07</u>	<u>Diverse</u>	<u>M/Chip4 and PayPass 1.4</u>	<u>Dual</u>	<u>Dev.</u>	<u>MasterCard</u>	<u>7</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/MasterCard payment/withdrawal with enciphered offline PIN with card key 1152 bits et exponent 3</u>
<u>VA10dMC08</u>	<u>Diverse</u>	<u>M/Chip4 and PayPass 1.4</u>	<u>Contact</u>	<u>Dev.</u>	<u>MasterCard</u>	<u>8</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/MasterCard with multi-currencies supported, enciphered offline PIN with specific encipherment key 1152 bits and exponent 3</u>
<u>VA10dMC09</u>	<u>Diverse</u>	<u>M/Chip4 and PayPass 1.4</u>	<u>Contact</u>	<u>Dev.</u>	<u>MasterCard</u>	<u>9</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/MasterCard payment/withdrawal with one CB debit application, one CB credit application and one MasterCard application</u>

CB Test Products & Services – Catalogue

<u>VA10dMC10</u>	<u>Diverse</u>	<u>M/Chip4 and PayPass 1.4</u>	<u>Contact</u>	<u>Dev.</u>	<u>MasterCard</u>	<u>10</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/MasterCard payment/withdrawal with 19 digits PAN length</u>
------------------	----------------	------------------------------------	----------------	-------------	-------------------	-----------	-----------	-----------------------	---

3.2.8 Diverse development card batch on Visa specification

<u>Batch Id.</u>	<u>Batch type</u>	<u>Specification version</u>	<u>Techno.</u>	<u>Card type</u>	<u>Application Base</u>	<u>Card range</u>	<u>Batch version</u>	<u>Product</u>	<u>Characteristics</u>
<u>VA11dV01</u>	<u>Diverse</u>	<u>VIS 1.5.4 and VCPS 2.1.2</u>	<u>Contact</u>	<u>Dev.</u>	<u>Visa</u>	<u>1</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB payment/withdrawal</u>
<u>VA11dV02</u>	<u>Diverse</u>	<u>VIS 1.5.4 and VCPS 2.1.2</u>	<u>Contact</u>	<u>Dev.</u>	<u>Visa</u>	<u>2</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB systematic authorization</u>
<u>VA11dV03</u>	<u>Diverse</u>	<u>VIS 1.5.4 and VCPS 2.1.2</u>	<u>Contact</u>	<u>Dev.</u>	<u>Visa</u>	<u>3</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB withdrawal</u>
<u>VA11dV04</u>	<u>Diverse</u>	<u>VIS 1.5.4 and VCPS 2.1.2</u>	<u>Contact</u>	<u>Dev.</u>	<u>Visa</u>	<u>4</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/Visa payment/withdrawal</u>
<u>VA11dV05</u>	<u>Diverse</u>	<u>VIS 1.5.4 and VCPS 2.1.2</u>	<u>Contact</u>	<u>Dev.</u>	<u>Visa</u>	<u>5</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/Visa systematic authorization</u>
<u>VA11dV06</u>	<u>Diverse</u>	<u>VIS 1.5.4 and VCPS 2.1.2</u>	<u>Dual</u>	<u>Dev.</u>	<u>Visa</u>	<u>6</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/Visa payment/withdrawal with card key length 1152 bits and $2^{16}+1$ exponent</u>
<u>VA11dV07</u>	<u>Diverse</u>	<u>VIS 1.5.4 and VCPS 2.1.2</u>	<u>Dual</u>	<u>Dev.</u>	<u>Visa</u>	<u>7</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/Visa payment/withdrawal with enciphered offline PIN with card key 1152 bits et exponent 3</u>
<u>VA11dV08</u>	<u>Diverse</u>	<u>VIS 1.5.4 and VCPS 2.1.2</u>	<u>Contact</u>	<u>Dev.</u>	<u>Visa</u>	<u>8</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/Visa with multi-currencies supported, enciphered offline PIN with specific encipherment key 1152 bits and exponent 3</u>
<u>VA11dV09</u>	<u>Diverse</u>	<u>VIS 1.5.4 and VCPS 2.1.2</u>	<u>Contact</u>	<u>Dev.</u>	<u>Visa</u>	<u>9</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/Visa payment/withdrawal with one CB debit application, one CB credit application and one Visa application</u>
<u>VA11dV10</u>	<u>Diverse</u>	<u>VIS 1.5.4 and VCPS 2.1.2</u>	<u>Contact</u>	<u>Dev.</u>	<u>Visa</u>	<u>10</u>	<u>17</u>	<u>OT CB V3.4</u>	<u>CB/Visa payment/withdrawal with 19 digits PAN length</u>

4 TEST MERCHANT CONTRACT

CB merchant contract is a service composed of:

- Test acquiring service (merchant contract) which allows to operate an acceptance system by downloading CB application parameters and to acquire transaction.
- Test merchant card used for parameters downloading in an acceptance system.

Costs are detailed in the CB test products and services order form which can be downloaded from Cartes Bancaires website.

4.1 *CB test merchant contract characteristics*

A merchant contract number is dedicated for each client using the CB acquiring service. A merchant card linked to a test merchant contract is delivered for the acceptance system initialization. (see 4.2 merchant card characteristics (P03)).

This service is valid one year for each merchant contract. It can be renewed each year by sending an order form for contract renewal to GCB. Without renewal request, the contract is closed by GCB.

This service gives access to:

- Transaction acquiring and parameters downloading platform.
- Data acquisition.
- Authorization acquisition.

This service is working every day in every geographic zone where the acceptance systems is installed according to the *ARTICLE 9 – TERRITORIALITY* (Cf. « user agreement »).

PARAMETERS DOWNLOADING AND TRANSACTION ACQUISITION

Parameter downloading platform is used to download all parameters required for an acceptance system to work properly.

BE CAREFUL: parameters for a CB test merchant contract are used only for CB test cards.

The platform is used for transaction acquisition. No clearing is performed for transaction made with a CB test merchant contract.

Acceptance systems which can be used to perform transaction with test cards are the following ones:

- Self-sufficient POIs,
- Bunch of POIs

- Concentrated POIs,
- Integrated POIs,
- MPOS.

The applications which are accepted are the following ones:

	CB 5.2	Bulletin 12 V2.0	Bulletin 12 V2.1	Bulletin 12 V3	CB5.5	
	Contact	Contactless	Contactless	Contactless	Contact	Contactless
Proximity payment	X	X	X	X	X	X
Vending machine payment	X	X	X	X	X	X
Distant payment (manual acquisition)	X	-	-	-	X	-
Payment for goods and services rental	X	-	-	-	X	-
Vending machine payment for goods and services	X	-	-	-	X	-
Quasi-cash payment	X	-	-	-	X	-

CB test merchant contract can be used for all applications and types of payment except distant payment.

The 3D Secure remote payment can not be proceed with the CB test cards referenced in our catalog. This 3D Secure remote payment service is not available.

FLOW ACQUISITION

Platform for authorization acquisition, transaction acquisition and parameters downloading can be connected as follows:

- Full IP
- IP-X25
- RTC
- GPRS

Connection parameters for the CB test merchant contract are provided with a user guide.

Protocols which are supported are:

- CBCOM
- CB2A TLP/TLC
- CB2A authorization

AUTHORIZATION ACQUISITION

Authorization acquisition platform is used to transmit authorization requests to the CB test authorization server and get the authorization responses.

Only authorization requests issued by an acceptance system initialized with a CB merchant shall be processed.

Only authorization requests issued with CB test cards shall be processed.

4.2 CB test merchant card characteristics (P03)

A merchant card is linked to a CB test merchant contract.

A merchant card is used the initialization of an acceptance system. Card reading shall be requested with the first initialization.

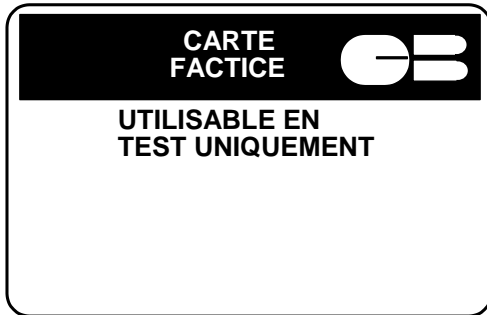
It shall be possible for the acceptance system to connect to the test acquirer system and to be identified with the CB merchant contract following merchant card reading.

A merchant card is valid for the validity period of the merchant contract.

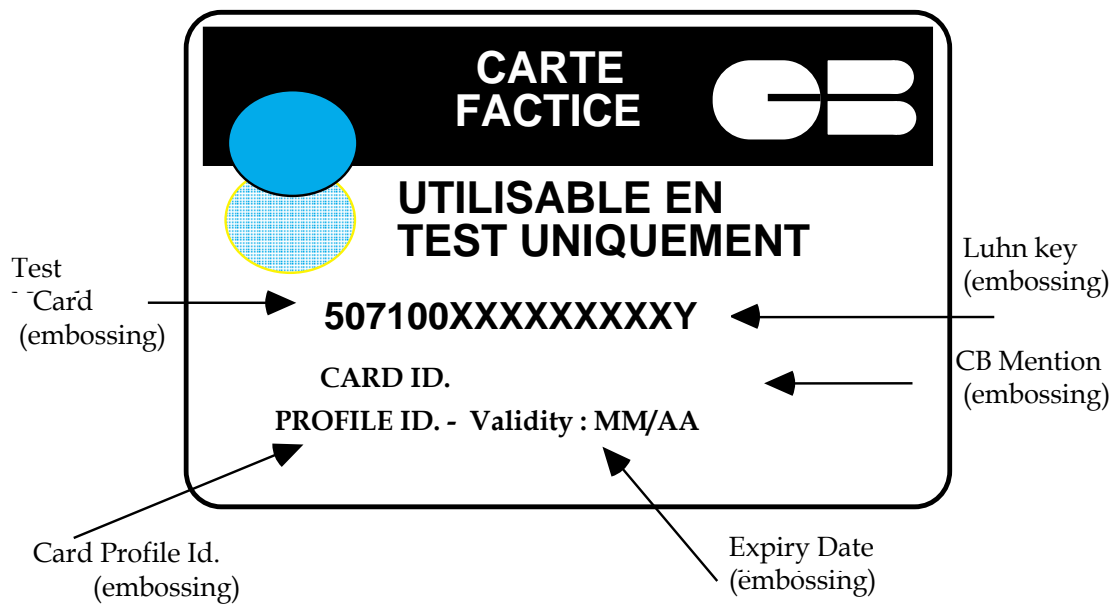
A merchant card is personalized with the GIE CB name and its number is the one of the merchant contract.

5 CARD DESIGN AND MAGSTRIPE

5.1 Design



5.2 Embossing



- **Test Card Number** = Test or Development card PAN

PIN code of test or development cards corresponds to the four penultimate numbers of the PAN such as:

- 501767XXXXPPPL
- 507100XXXXPPPL

Examples:

- 5071000000152369 ; le code PIN est 5236
- 5071000000999 le code PIN est 0099

- **Card Identifier** = Test Card or Development Card
- **Profile Reference** = Batch Identifier Number + Card range (in a diverse batch)
- **Version Batch** = 17

5.3 Magstripe Characteristics

It is composed of three high coercivity tracks, encoding ISO1 and ISO2.

Values of service codes are 901, 903 (diverse batch range 3) or 921 (diverse batch range 2 and 5).

Cardholder name, PAN and expiry date are the ones in the chip.

PVV date element is present; CVV and CVC are not present.

6 CARD ORDERING

Procedure for cards and services ordering and use conditions are provided in a specific CB document (order form for CB test products and services).