VISA

VisaNet Processing Systems
Publication DS–9807063AP
15 July 1998

September 1998
V.I.P. System
Business Enhancements

Certification Guide

Contents

1. Introduction

At 00:00 Greenwich mean time (GMT) on 25 September 1998, business enhancements will be made to the VisaNet Integrated Payment (V.I.P.) System that require modifications to member processing systems and procedures. Some of these business enhancements require member certification. This document describes the certification procedures for the September 1998 V.I.P. System Business Enhancements.

For more information about the September 1998 business enhancements, refer to the documents listed below. Additional copies can be obtained from your Visa Representative.

- *September 1998 BASE II System Business Enhancements, Edit Package*, dated 15 July 1998, DS-9807061

- *September 1998 Business Enhancements Member Implementation Guide*, dated 15 July 1998, DS-9807062

- *September 1998 Business Enhancements Technical Letter*, dated 16 March 1998, DS-9803012

- *September 1998 Business Enhancements Technical Letter Update Bulletin #1*, dated 18 June 1998, DS-9803012-01

- *September 1998 VisaNet Certification Management System User's Manual, BASE II*, dated 15 July 1998, 0908-07

1.1 Certification and Testing Requirements

This section describes the differences between certification and testing and summarizes the certification and testing requirements related to the September 1998 V.I.P. business enhancements for both acquirers and issuers. Certification and testing is available for:

- A mandated enhancement.

- An optional enhancement.

To assist in the planning process, Visa provides suggested success criteria in Chapter 4, *Certification Success Criteria*. The suggested success criteria apply to enhancements that require certification or have Visa-provided test scripts.

Differences between Certification and Testing

V.I.P. certification is a process in which a member sends and receives transactions between their online host system and Visa. A Visa representative then verifies selected output from a predefined member test. Visa certification only covers very specifically defined results from a predefined test. Successful certification with Visa does not imply that Visa has certified a member's overall system or processes.

V.I.P. testing is the process in which members use Visa's test systems as an extension of their own test environments. Members can use Visa's test systems to provide additional transactions or reports as part of their overall preparation to support the September 1998 business enhancements. Visa provides test scripts for BASE I and SMS testing. New test scripts may not be provided for all of the enhancements, but issuers can use existing test scripts to support their own internal testing. Visa will not validate test results

Acquirers

Mandatory Enhancements

Mandatory enhancements do not require certification by acquirers.

Acquirers that wish to test Euro and ECU Currency Code Changes (Section 2.2) and Currency Conversion and Optional Issuer Fee Changes (Section 2.3) can modify existing scripts to include the euro currency code.

NOTE: *The references to sections apply to both the* September 1998 VisaNet Business Enhancements *(and* Update #1*) and the* September 1998 VisaNet Business Enhancements Member Implementation Guide.

Optional Enhancements

Several optional enhancements require certification before an acquirer can participate (see Table 1–1). These enhancements are described in the *September 1998 VisaNet Business Enhancements Technical Letter* (and *Update Bulletin #1*) and the *September 1998 VisaNet Business Enhancements Member Implementation Guide.*

Issuers

Mandatory Enhancements

Mandatory enhancements do not require certification by issuers.

Optional Enhancements

Several optional enhancements require certification before an issuer can participate (see Table 1–1). These enhancements are described in the *September 1998 VisaNet Business Enhancements Technical Letter* (and *Update Bulletin #1*) and the *September 1998 VisaNet Business Enhancements Member Implementation Guide.*

Summary of Testing and Certification Requirements

Table 1–1 provides the V.I.P. System testing and certification requirements for the September 1998 business enhancements.

Table 1–1: V.I.P. System September 1998 Testing and Certification Requirements

Section	Enhancement	Opt./ Mand.	Region(s)	Certification Required?		New Test Scripts Available?	
				Acquirers	**Issuers**	**Acquirers**	**Issuers**
2.1	Currency Code Changes	M	All	No	No	No	Yes
2.2	Euro and ECU Currency Code Changes	M	All	No	No	Yes	Yes
2.3	Currency Conversion and Optional Issuer Fee Changes	M	All	No	No	Yes	Yes
2.4	Floor Limit Changes	M	All	No	No	No	No
2.5	Mandated Use of the Mail/Telephone Order Indicator	M	All	No	No	No	No
2.6	Merchant Category Code Changes	M	All	No	No	No	Yes
2.7	New Value for Edit Package Usage Field	M	All	n/a	n/a	n/a	n/a
2.8	Modification to VSS-100 Report Format	M	All	n/a	n/a	n/a	n/a

NOTE: *Test data is not available for acquirers in CPS countries (Brazil, Germany, Malaysia, and U.S.).*

n/a = *not applicable*

Table 1–1: V.I.P. System September 1998 Testing and Certification Requirements (continued)

Section	Enhancement	Opt./ Mand.	Region(s)	Certification Required?		New Test Scripts Available?	
				Acquirers	**Issuers**	**Acquirers**	**Issuers**
3.1	Define Billing Currency by Account Range	O	All	n/a	No	n/a	Yes
3.2	Informational Exchange Rates	O	All	n/a	n/a	n/a	n/a
3.3	Visa Secure Electronic Commerce	O	All	Yes	Yes	Yes	Yes
3.4	Merchant Category Code Descriptor Changes	O	All	No	No	No	No
3.5	Visa Electron Processing Options	O	All	n/a	n/a	n/a	n/a

NOTE*: Test data is not available for acquirers in CPS countries (Brazil, Germany, Malaysia, and U.S.).*
n/a *= not applicable*

2. Certification Process

The September 1998 business enhancements certification process is the same as the standard V.I.P. System certification process.

2.1 Scheduling

To schedule certification, complete the certification questionnaire in Chapter 5, *Certification Questionnaire*, and submit it no later than 3 August 1998.

Be sure to include your preferred dates and times for certification. Send or fax the questionnaire to your Visa representative, who will schedule and confirm the certification date and time. Visa will process the questionnaires in the order in which they are received. To help secure your desired certification dates, submit your questionnaire early. You will be notified if your requested date and time cannot be accommodated, and alternate dates will be suggested.

2.2 VTS

All members and processor centers can choose to pre-certify their software changes in-house using DOS VTS Release 8.1 or VTS2000 Release 2.6.

Since Certification is not required by Visa on all changes, Visa will only review VTS logs from members and processing centers in the form of either a diskette or printout of the message logs for the changes that have certification mandated. Your regional certification group will then review the VTS logs for proper message formats and adherence to the official script. Any discrepancies will be brought to your attention, and additional VTS logs may be required for review prior to scheduling online certification.

2.3 Online Certification Procedure

Your regional certification group will prepare a certification script and send it to you.

At the scheduled certification time, your Visa representative will call your certification contact to assist with the execution of customized scripts. Online certification uses a single dedicated test station or the production station at the processor location. For further information on this process, contact your Visa representative.

2.4 Notification

Visa will send members and processors a confirmation letter upon the successful completion of online certification.

3. Certification Tasks

Acquirers and issuers must perform the tasks in Table 3–1 to certify
for the V.I.P. System September 1998 business enhancements.

Table 3–1: Certification Tasks

Step	Tasks/Activities	When
1	Submit the certification questionnaire to your Visa representative. Be sure to indicate your preferred certification dates.	By 3 August 1998.
2	Install VTS Release 8.1 or VTS2000 Release 2.6.	As soon as possible after the release date of latest version.
3	Arrange an online certification date with your Visa representative.	Within five business days after sending your certification questionnaire.
4	Receive test scripts from your Visa certification group.	Five business days before the scheduled certification date.
5	Perform pre-certification using VTS or VTS2000, and send the results to your Visa representative for review. (This is an optional task.)	Sometime before online certification.
6	Conduct certification with assistance from your Visa representative.	As scheduled.
7	Investigate and rerun tests that failed due to acquirer problems.	Until all tests are successfully completed.
8	Receive confirmation letter from your Visa representative.	Within five business days of successful certification.
9	Install all other software changes in production.	To be effective no sooner than **00:00 GMT 25 September 1998**, or on the activation date communicated to you by your Visa representative.

4. Certification Success Criteria

In general, to successfully certify for the September 1998 V.I.P. System business enhancements, the following events must take place:

- All certification scripts required for the business enhancements being tested must be completed successfully.

- Current processing must not be negatively impacted by changes made by Visa or the member for the business enhancements.

- Formatting, editing, and processing of advices, raw data, and settlement reports produced by this certification must be valid for the service.

4.1 Acquirer Success Criteria

Table 4–1 describes the certification success criteria for acquirers. Only those enhancements which require certification or have new test scripts available are listed.

Table 4–1: Acquirer Certification Success Criteria

Business Enhancement	Success Criteria
Euro and ECU Currency Code Changes (Section 2.2)	Acquirers must receive and process transactions with the billing currency set to euro.
	Test scripts are available.
Currency Conversion and Optional Issuer Fee Changes (Section 2.3)	Acquirers must receive and process transactions with the billing currency set to euro.
	Test scripts are available.
Visa Secure Electronic Commerce (Section 3.3)	Acquirers of SET transactions must be able to correctly submit VSEC subfelds of Field 126 of appropriate 0100 and 0200 messages.
	Test scripts are available.

NOTE: The references to sections apply to both the September 1998 VisaNet Business Enhancements Technical Letter *(and* Update Bulletin #1*) and the* September 1998 VisaNet Business Enhancements Member Implementation Guide*.*

4.2 Issuer Success Criteria

Table 4–2 describes the certification success criteria for issuers.Only those enhancements which require certification or have new test scripts available are listed.

Table 4–2: Issuer Certification Success Criteria

Business Enhancement	Success Criteria
Currency Code Changes (Section 2.1)	For Bosnia and Herzegovina, issuers must receive and process through their internal systems the transactions with the cardholder billing currency set to Bosnian Convertible Mark. For Eritrea, issuers must receive and process through their internal systems the transactions with the cardholder billing currency set to Eritrean Nakfa. For Russia, issuers must receive and process through their internal systems the transactions with the cardholder billing currency set to Russian Ruble (RUB/643).
Euro and ECU Currency Code Changes (Section 2.2)	Issuers must receive and process transactions with the transaction currency set to euro. Test scripts are available.
Currency Conversion and Optional Issuer Fee Changes (Section 2.3)	Issuers must receive and process transactions with the transaction currency set to euro. Test scripts are available.
Merchant Category Code Changes (Section 2.6)	Issuers must correctly process transactions with Field 18 values for the new and revised MCCs as specified in the *September 1998 VisaNet Business Enhancements Technical Letter* (and *Update Bulletin #1*).

NOTE: *The references to sections apply to both the* September 1998 VisaNet Business Enhancements Technical Letter *(and* Update Bulletin #1*) and the* September 1998 VisaNet Business Enhancements Member Implementation Guide.

Table 4–2: Issuer Certification Success Criteria (continued)

Business Enhancement	Success Criteria
Define Billing Currency by Account Range (Section 3.1)	Issuers should review the following settlement reports to ensure the billing currency is reflected as expected: • BASE II-5A, -5B, -6A, and -6B • VSS-140 • VSS-900
Visa Secure Electronic Commerce (Section 3.3)	If the issuer elects to receive the SET information, transactions with VSEC subfelds of Field 126 of appropriate 0100 and 0200 messages must be successfully accepted by the issuer, and the issuer must respond to the message with an acceptable response.

NOTE: *The references to sections apply to both the* September 1998 VisaNet Business Enhancements
(and Update #1) and the September 1998 VisaNet Business Enhancements Member Implementation Guide*.*

5. Certification Questionnaire

The certification questionnaire is designed to identify the V.I.P. System services and transactions your organization will use in testing. The information is used by Visa representatives to create a test script tailored to members' needs. Please return the certification questionnaire to your Visa representative by 3 August 1998.

If you require assistance in completing the certification questionnaire, contact your Visa representative. Phone numbers for regional offices are given below.

- Centers supported by Asia-Pacific should call their local Visa representative.

1.1.2 September 1998 V.I.P. System Business Enhancements Certification Questionnaire

Return by 3 August 1998

Customer Information

Date: _____

1. **Endpoint name:** _____

2. **Mailing address:** _____

   _____

3. **Coordinator's phone number:** _____

4. **Coordinator's fax number:** _____

5. **Certification contact:** _____

6. **Tester name:** _____

7. **Phone number (on the day of the test):** _____

8. **Requested date and time for certification:** _____

9. **Endpoint BIN:** _____

   PCR

   SMS: _____

   BASE I: _____

10. **Endpoint station(s) being tested:** _____

11. **Do you require VTS2000 Release 2.6?** ❑ Yes ❑ No

12. **Do you require DOS VTS Release 8.1?** ❑ Yes ❑ No

13. **Which of the following services will your organization process?**

    ❑ **Issuer Transactions**

    ❑ **Acquirer Transactions**

1.1.1 September 1998 V.I.P. System Business Enhancements Certification Questionnaire

Services

Please indicate in the checkboxes all V.I.P. System Services for which you are requesting certification. Visa will provide test account numbers for all acquirer certifications.

<u>V.I.P. System September 1998 Business Enhancements</u>

❑   **Currency Code Changes**

❑   **Euro and ECU Currency Code Changes**

❑   **Currency Conversion and Optional Issuer Fee Changes**

❑   **Merchant Category Code Changes**

❑   **Define Billing Currency by Account Range**

❑   **Visa Secure Electronic Commerce (VSEC)**

Additional Visa services to be certified: _____

_____

1.1.2 September 1998 V.I.P. System Business Enhancements Certification Questionnaire

Issuer Test Account Numbers

Visa recommends that the issuer use accounts that will generate a variety of response codes (for example: 00, 05, 07, 41, 43).

Please include the track data as encoded on your test cards:

1. **Account #:** _____ **Exp. Date (MMYY):** _____

   Track 1 Data: _____

   Track 2 Data: _____

   Address Data: _____

   Clear PIN: _____

2. **Account #:** _____ **Exp. Date (MMYY):** _____

   Track 1 Data: _____

   Track 2 Data: _____

   Address Data: _____

   Clear PIN _____

3. **Account #:** _____ **Exp. Date (MMYY):** _____

   Track 1 Data: _____

   Track 2 Data: _____

   Address Data: _____

   Clear PIN: _____

4. **Account #:** _____ **Exp. Date (MMYY):** _____

   Track 1 Data: _____

   Track 2 Data: _____

   Address Data: _____

   Clear PIN: _____

1.1.1 September 1998 V.I.P. System Business Enhancements
Certification Questionnaire

Acquirer Services

Please check the types of transactions processed by your organization.

Card Types

❑ **Visa**

❑ **Private Label**

Transaction Types

❑ **Purchases**   ❑ **Mail Orders**

❑ **Reversals**   ❑ **Cash Advances**

❑ **Repeat Transactions**

CPS Market Segments

❑ **ATM**   ❑ **Hotel**   ❑ **Auto Rental**

❑ **Retail**   ❑ **Automated Fuel Dispenser**   ❑ **Passenger Transport**

❑ **Direct Marketing**   ❑ **Recurring Payment**

Additional Questions

1. **What is your Acquirer Institution ID (F32)?** _____

2. **Do you support partial reversals?**   ❑ **Yes**   ❑ **No**

3. **Do your terminals magnetically read?** ❑ **Yes**   ❑ **No**

4. **Do you send F43 in 0100 messages?**   ❑ **Yes**   ❑ **No**

   If no, will Visa augment data?   ❑ **Yes**   ❑ **No**