



SEQUOIA MOSAIC 3000: INTERNET-ACQUIRING PLATFORM

Fraud prevention

User's manual

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Content

Chapter 1. About the document	5
1.1. Purpose of the document	7
1.2. How to use this manual	7
1.3. Classification	7
1.4. Document sheet	7
1.5. Document contacts	7
1.6. Document history	7
Chapter 2. About fraud prevention	9
2.1. General information	11
2.2. The place of the Fraud prevention in the Platform structure	11
2.3. Fraud prevention organization	12
2.4. Limits control	13
2.5. Black-lists	13
2.6. Heuristics	14
2.7. Logging into the platform	15
2.8. Fraud prevention menu	16
Chapter 3. Fraud prevention templates	19
3.1. General information	21
3.2. Templates search and view	21
3.3. Templates creation and edit	24
3.4. Template elimination	26
Chapter 4. Fraud prevention parameters	27
4.1. General information	29
4.2. Parameters search and view	29
4.3. Parameters creation and edit	32
4.4. Parameter elimination	34
Chapter 5. Fraud prevention service parameters	35
5.1. General information	37
5.2. Service parameters search and view	37
5.3. Service parameters creation and edit	41
5.4. Service parameters elimination	45
Chapter 6. Fraud prevention events	47
6.1. General information	49
6.2. Events search and view	49
6.3. Events creation and edit	51
6.4. Event elimination	54
Chapter 7. Fraud prevention black-lists	55
7.1. General information	57
7.2. Block-list entry search and view	57

7.3. Black-list entry creation and edit	59
7.4. Black-list entry elimination	62
Chapter 8. Fraud prevention reports	63
8.1. General information	65
8.2. Data search and view	65
8.3. Reports downloading	68
Chapter 9. Attachments	70
9.1. Terms and abbreviations	72
9.2. External documents references	74
9.3. Standard limits	75
9.4. The predefined templates	76
9.5. The predefined parameters	81
9.6. Predefined Service parameters	83
9.7. Predefined Events	84

Chapter 1. About the document

This chapter contains the next sections:

Section	Description	Page
1.1.	Purpose of the document	7
1.2.	How to use this manual	7
1.3.	Classification	7
1.4.	Document sheet	7
1.5.	Document contacts	7
1.6.	Document history	7

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1.1. Purpose of the document

This document describes the fraud prevention procedures with the SM 3000 Internet-acquiring platform, based on filters and algorithms. This document was prepared for users of the SM 3000 Internet-acquiring platform.

1.2. How to use this manual

The manual is designed to explicate the process how to work with a fraud prevention instruments to decrease the risk of the e-commerce operations processing with a SM3000 IAP.

The terms, abbreviations and useful references to other documents about the SM 3000 system are provided at the final part of the document.

Terms and Abbreviations - A glossary of terms commonly used in the card processing and electronic funds transfer industry.

1.3. Classification

This document has been classified as External.

1.4. Document sheet

200116

1.5. Document contacts

In the case of questions or proposals about information presented in this document, you can contact Alfeba's Documentation Division by email doc@alfeba.com, by phone +598 2 208 31 42 or by mail, using the address: Av. Agraciada 2770, Montevideo, 11823, Uruguay.

1.6. Document history

Version	Date	Modification	Notes	Authors
1.0	11.07.2020	-	Init. Version	Natalia Bogorodskaya

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Chapter 2. About fraud prevention

This chapter contains the next sections:

Section	Description	Page
2.1.	General information	11
2.3.	The place of the Fraud prevention in the Platform structure	11
2.2.	Fraud prevention organization	12
2.4.	Limits control	13
2.5.	Black-lists	13
2.6.	Heuristics	14
2.7.	Logging into the platform	15
2.8.	Fraud prevention menu	16

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2.1. General information

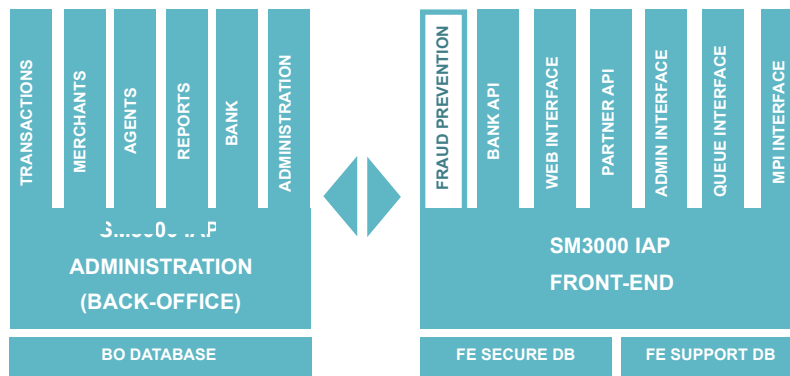
In this chapter we provide the principal information about the fraud prevention possibilities of the SM3000 IAP Administration (Back-office) of the Sequoia Mosaic 3000 Internet-acquiring platform [SM3000 IAP].

2.2. The place of the Fraud prevention in the Platform structure

The Front prevention is a part of the SM3000 IAP Front-end, PGS processing core. It means, that fraud rules and algorithms work in on-line mode and they are the part of the on-line processing system.

The structure is shown on the Picture 2.2.0.0.

Picture 2.2.0.0. The SM3000 IAP global structure



Using this part of the platform the user can create and edit setup data through the SM3000 IAP environment, for the fraud prevention procedures.

2.3. Fraud prevention organization

The Fraud prevention possibilities of the SM3000 IAP are designed to check transaction parameters before the processing a transaction in Gateway. Verification has several purposes:

1. Monitoring the excess of limits established for the Merchant's store.
2. Detection of fraudulent transactions using internal checks based on heuristic rules.
3. Performing external checks based on calls to third-party services.

According to Transaction Flow, fraud prevention or antifraud verification occurs before each authorization request. In case of fraud suspicion, the system does not attempt to authorize and refuses to further process this transaction.

The fraud prevention parts of the Platform are shown at the Picture 2.2.0.0.

Picture 2.2.0.0. The fraud prevention parts



For further information on the Transaction flow see the Manual 200105 «SM3000: IAP. Administration interface. Transactions, corrections and refunds».

The Fraud prevention part of the SM3000 IAP Front-End consists of:

- Fraud prevention templates management,
- Fraud prevention parameters management,
- Fraud prevention service parameters management,
- Fraud prevention events management,
- Fraud prevention black-lists management,
- Fraud prevention historical data and reports.

Each direction is described in the separate Chapter of the manual.

2.4. Limits control

There are 5 principal possible rules for the limits control with a Platform:

1. The limit of the total amount of purchases check by one card during the given period;
2. The limit of the number of purchases check by one card during the given period.
3. The maximum transaction amount limit check for an online Merchant.
4. The limit of the total transaction amount check for an online Merchant during the given period.
5. The limit of the number of transactions check for an online Merchant during the given period.

When you register a new Merchant you can apply the limits specified in the Attachment 9.3 Standard limits of the Chapter 9 of the Manual. Depending on the specifics of the business, the limits may vary for a particular Merchant.



For further information on the typical limits see the Chapter 9 of the Manual, Section 9.3. Standard limits.

2.5. Black-lists

The Platform supports a work with both a Cardholder and BIN based black-lists (stop-lists).

The Fraud prevention part of the SM3000 IAS Front-End maintains the blacklists of the cardholder, based on:

1. The IP address;
2. The card number (PAN);
3. The post address.

The cardholders black-lists is managed by:

- Heuristic rules, when adding an object to the black list, the reason for adding is saved, engrossing the data automatically and manually.
- Information received directly from payment systems.



The work with a Cardholder black-list is describe in the Chapter 7 of the Manual.

The BIN based black-list (Stop-list) can be created using Service parameters management tools. To do it, in the Service parameters you should enter the needed BINs to block in the field **Limits**.



The work with a BINs black-list (Stop-list) is describe in the Chapter 5 of the Manual.

2.6. Heuristics

The Platform users, employees of the Fraud and Risks Department of the Payment operator/ Facilitator, can create it own rules to block suspicious transactions.

The rules can be created on the base of the following parameters:

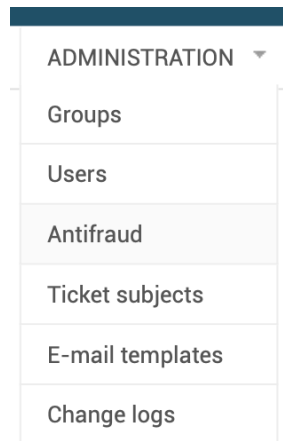
- A. Check that there were no successful transactions with a different cardholder name on this card before;
- B. Check of the limit on the number of different card numbers (PAN) used from a single IP address in a given period;
- C. Check of the limit on the number of different customer email addresses used from the same IP address in a given period;
- D. Check for transactions with the same buyer's email address but a different cardholder name in the specified period;
- E. Check of the limit on the number of unsuccessful transactions on a single card (or BIN) in a given period;
- F. Check of the limit on the number of unsuccessful transactions from a single customer IP address within a specified period;
- G. Determine the country by IP, determine the country of the issuing Bank by BIN and comparing them;
- H. Usage of the settings of the Fraud prevention part of the SM30000 IAS Front-End to define high-risk countries and the possibility of checks on this basis;
- I. Usage of the settings of the Fraud prevention part of the SM30000 IAS Front-End to define high-risk issuing countries and the possibility of checks on this basis.

Using the Platform you can set country groups and create rules based on these groups. For example: the country of the Issuer does not match. Heuristic rules can be changed at any time.

2.7. Logging into the platform

The Fraud prevention instruments are located in the Front-End of the Platform and they have double protection for the users access. So that we developed 2 level authentication: By login and password and by one-time password that we send by SMS to the user.

From the main menu of the Back-office bar you should choose the **ANTIFRAUD** from the **ADMINISTRATION** menu of the principal bar and the correspondent item to open.



The Platform redirects you to the special entrance menu to the Fraud prevention part of the Front-end. You can login into the Front-End directly using the special link to the platform, presented by your Administrator:

[Home](#) » [Login](#)

Login

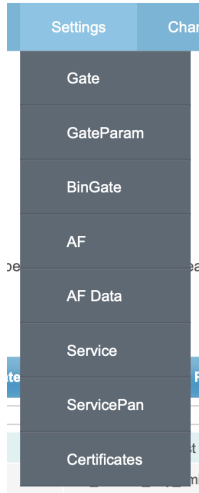
Please fill out the following form with your login credentials:

Username *

Password *

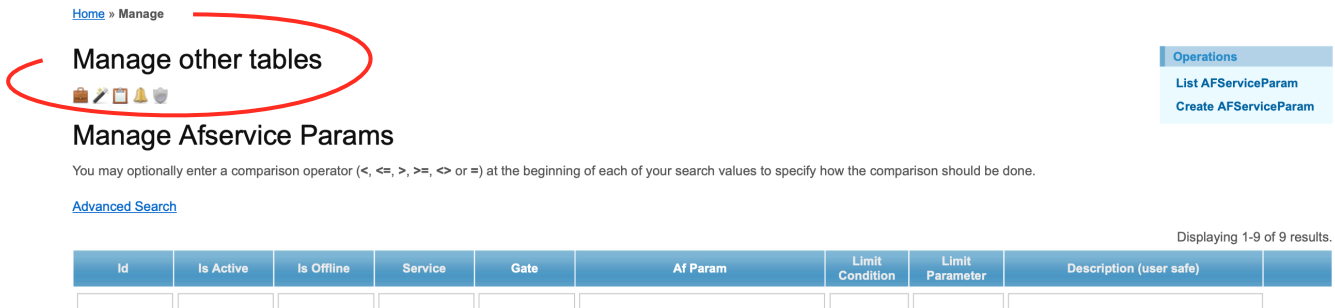
After the Username and password Input the Platform will send you one-time password by SMS, that the user must enter into the dialog interface of the Platform.

After the enter to the system, from the main page you should choose the AF or AF Data items to open:



2.8. Fraud prevention menu

Choosing the AF its from the main menu the principal page of the Fraud prevention part of the SM3000 IAP Front-End will be opened:









In the **Manage other tables** we added the items to quick entrance to all of the Fraud prevention features:



The pics and their meanings are described in the Table 2.8.0.0.

Table 2.8.0.0. The Fraud prevention menu description

Pics	Pic's Name	Description
	AF_SERVICE_PARAM	Opens the service parameters management page
	AF_PARAM	Opens the parameters management page
	AF_PARAM_CONVERT	Opens the parameters conversions page
	AF_TEMPLATE	Opens the templates management page
	AF_EVENT	Opens the events management page
	AF_BLACK_LIST	Opens the black-list management page

This page doesn't contain any information

Chapter 3. Fraud prevention templates

This chapter contains the next sections:

Section	Description	Page
3.1.	General information	21
3.2.	Templates search and view	21
3.3.	Template creation and edit	24
3.4.	Template elimination	26

This page doesn't contain any information

3.1. General information

Fraud prevention templates are used to determine how to prevent the fraud with the Platform. The Platform presents predefined templates for the Payment operator/ Facilitator.

In this Chapter we describe the current predefined templates, explicate how to create, edit and delete the templates.



HOW WE ARE CHECKING? - Is a slogan of the Fraud prevention Templates job

3.2. Templates search and view

To go to the Templates management page please press the item **AF_TEMPLATE** at the Fraud prevention menu bar.



The correspondent page will be opened:

[Home](#) » [Manage](#)

Manage other tables



Operations

- [List AFTemplate](#)
- [Create AFTemplate](#)

Manage Aftemplates

You may optionally enter a comparison operator (<, <=, >, >=, <> or =) at the beginning of each of your search values to specify how the comparison should be done.

[Advanced Search](#)

Displaying 1-8 of 8 results.

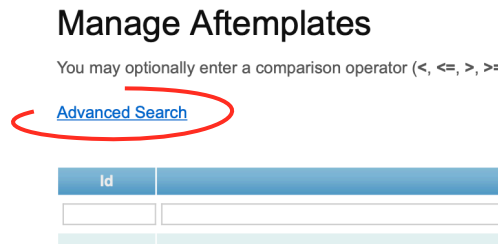
Id	Content	Descr	Field Op	
20	SELECT * FROM bin_info WHERE %where_data_fields% AND (bin IN (%limit_value%))	Bank BIN restriction	AND	
22	SELECT (%limit_value% - (coalesce(SUM(original_amount), 0.0) + %req.Amount%)) AS remain_service_amount FROM af_data WHERE %where_data_fields% AND is_success = '1'	Calculation of the remaining limit of the amount of operations for the service for a period of time	AND	
1	SELECT coalesce(SUM(original_amount), 0.0) + %req.Amount% FROM af_data WHERE %where_data_fields% AND is_success = '1' HAVING coalesce(SUM(original_amount), 0.0) + %req.Amount% %limit_condition% %limit_value%	Limit the total amount of successful payments (taking into account the current payment)	AND	
2	SELECT * FROM bin_info WHERE %where_data_fields%	Checking the correspondence of the currency of the BIN country and the payment currency	OR	
3	SELECT * FROM service WHERE %where_data_fields%	Checking the correspondence of the service currency and the payment currency	OR	
4	SELECT COUNT(id) FROM af_bin_black_list WHERE %where_data_fields% AND is_active=true HAVING COUNT(id) >0	Checking beans in blacklist by operation type	OR	
5	select * from service_param as sp, bin_info as bi where sp.service_param_name_id = (select id from service_param_name where name = 'af_block_ps' limit 1) AND %where_data_fields% AND upper(bi.payment_system) = ANY (string_to_array(upper(value), ','))	Check payment system block	OR	
6	SELECT coalesce(amount, 0.0) - %req.Amount% FROM partner_balance WHERE %where_data_fields% AND coalesce(amount, 0.0) - %req.Amount% %limit_condition% %limit_value%	Partner balance: limitation of the total amount of successful payments (taking into account the current payment)	AND	

The Manage Aftemplates page's fields are described in the Table 3.2.0.0.

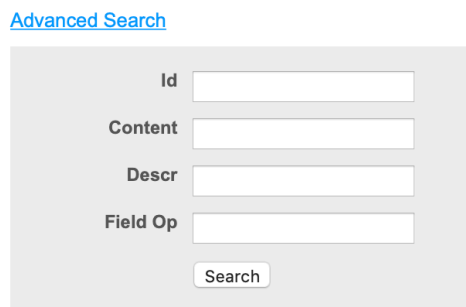
Table 3.2.0.0. The Templates management page fields description

Field name	Field format	Data format	Description
Operations menu: List AFTemplate	Link	Link	Links to the Templates list page
Operations menu: Create AFTemplate	Link	Link	Links to the Templates creation page
Advanced search	Link	Link	Opens the search bar
ID	Number	Number	Shows the Template ID number
Content	Text	Text	Shows the template's rule
Descr	Text	Text	Describes the Template rule
Field Op	Text	Operator	Shows the operator: AND, OR etc.
Action bar (🔍 📄 ✖)	Button	Link	Links to the correspondent page of the View, Edit and Delete of the current Item


To search for the needed template you should activate the Link **Advanced search** on the current page:



The search bar will be opened on the current page:



The fields were described in the Table 3.2.0.0. Using this bar you can search the needed template by ID number of the Template, Content key word, Description key word or the field operator. To start search process you have to press **Search** button.

To look through the Template details you have to activate the View pic  at the current position. The correspondent page of the Template view will be opened:

[Home](#) » [Aftemplates](#) » 1

View AFTemplate #1

- Operations
- List AFTemplate
- Create AFTemplate
- Update AFTemplate
- Delete AFTemplate
- Manage AFTemplate

Id	1
Content	SELECT coalesce(SUM(original_amount), 0.0) + %req.Amount% FROM af_data WHERE %where_data_fields% AND is_success = '1' HAVING coalesce(SUM(original_amount), 0.0) + %req.Amount% %limit_condition% %limit_value%
Descr	Limit the total amount of successful payments (taking into account the current payment)
Field Op	AND

The page fields are described in the Table 3.2.0.1.

Table 3.2.0.1. The Templates details page fields description

Field name	Field format	Data format	Description
Operations menu: List AFTemplate	Link	Link	Links to the Templates list page
Operations menu: Create AFTemplate	Link	Link	Links to the Templates creation page
Operations menu: Update AFTemplate	Link	Link	Links to the Templates edit page
Operations menu: Delete AFTemplate	Link	Link	Deletes the current Template
Operations menu: Manage AFTemplate	Link	Link	Links to the Templates management page
ID	Number	Number	Shows the Template ID number
Content	Text	Text	Shows the template's rule
Descr	Text	Text	Describes the Template rule
Field Op	Text	Operator	Shows the operator: AND, OR etc.

3.3. Templates creation and edit

To create the Template you have to activate the link **Create AFTemplate** in the corner of the **Manage AFTemplates** page:

[Home](#) » [Manage](#)

Manage other tables



Manage Aftemplates

You may optionally enter a comparison operator (<, <=, >, >=, <> or =) at the beginning of each of your search values to specify how the comparison should be done.

[Advanced Search](#)

- Operations
- List AFTemplate
- Create AFTemplate**

Displaying 1-10 of 10 results.

Id	Content	Descr	Field Op	
20	SELECT * FROM bin_info WHERE %where_data_fields% AND (bin IN (%limit_value%))	Bank BIN restriction	AND	
22	SELECT (%limit_value% - (coalesce(SUM(original_amount), 0.0) + %req.Amount%)) AS remain_service_amount FROM af_data WHERE %where_data_fields% AND is_success = '1'	Calculation of the remaining limit of the amount of operations for the service for a period of time	AND	
4	SELECT coalesce(SUM(original_amount), 0.0) + %req.Amount% FROM af_data WHERE %where_data_fields% AND is_success =	Limit the total amount of successful payments (taking	AND	

or from the any **Template view** Page:

[Home](#) » [Aftemplates](#) » 1

View AFTemplate #1

- Operations
- List AFTemplate
- Create AFTemplate**
- Update AFTemplate
- Delete AFTemplate
- Manage AFTemplate

Id	1
Content	SELECT coalesce(SUM(original_amount), 0.0) + %req.Amount% FROM af_data WHERE %where_data_fields% AND is_success = '1' HAVING coalesce(SUM(original_amount), 0.0) +

The correspondent window will be opened:

[Home](#) » [Aftemplates](#) » Create

Create AFTemplate

Fields with * are required.

Content *

Descr *

Field Op *

AND

Create

- Operations
- List AFTemplate
- Manage AFTemplate**

The fields page description is provided in the Table 3.2.0.1.

For the Template content you should use the MS SQL commands.




To learn more about MS SQL server see <https://www.microsoft.com/en-us/sql-server/developer-tools>

After the data input you have to press **CREATE** button. The new Template will be saved.







The most useful templates we installed with a Fraud prevention part of the SM3000 IAP Front-end.



We provide the most important templates description for the most effective usage of the Fraud prevention part of the SM3000 IAP Front-end in the Annex 9.4. of the Manual

To edit the Template you should activate the link Edit  of the correspondent Item of the **Manage AFTemplates** page:

Displaying 1-10 of 25 results.

	Field Op	
	OR	  
for	AND	  

The page with a needed template will be opened, for example:

[Home](#) » [Aftemplates](#) » 1 » Update

Update AFTemplate 1

Fields with * are required.

Content *

```
SELECT COUNT(id)
FROM af_black_list
WHERE (%where_data_fields%) AND is_active=true and is_white=false
HAVING COUNT(id) >0
```

Descr *

Template check for blacklist

Field Op *

OR

Save

- Operations
- List AFTemplate
- Create AFTemplate
- View AFTemplate
- Manage AFTemplate





The fields description of the page was provided in the Table 3.2.0.1.

After the edit you should press the **SAVE** button. The changed information will be saved without any announcement.

3.4. Template elimination

You can delete the Template from the Templates management list page or from the **AFPParameter** view page:

Displaying 1-10 of 25 results.

	Field Op	
	OR	 
for	AND	 

Operations

- List AFTemplate
- Create AFTemplate
- Update AFTemplate
- Delete AFTemplate**
- Manage AFTemplate

Chapter 4. Fraud prevention parameters

This chapter contains the next sections:

Section	Description	Page
4.1.	General information	29
4.2.	Parameters search and view	29
4.3.	Parameters creation and edit	32
4.4.	Parameter elimination	34

This page doesn't contain any information

4.1. General information


In this chapter we describe how to work with a Fraud prevention parameters, or with WHAT we check the transactions passing through the Fraud prevention part of the SM3000 IAS Front-End.



WHAT WE ARE CHECKING WITH? - Is a slogan of the Fraud prevention parameters job


4.2. Parameters search and view

To search the needed Parameter you should go to the Manage AParams page pressing the **AF_PARAM**

link  . The correspondent page will be opened:

[Home](#) » [Manage](#)

Manage other tables



Operations

[List AParams](#)

[Create AParams](#)

Manage AParams

You may optionally enter a comparison operator (<, <=, >, >=, <> or =) at the beginning of each of your search values to specify how the comparison should be done.

[Advanced Search](#)

Displaying 1-10 of 29 results.

Id ▲	Name	Descr	Data Fields	Is Success	Module	
1	check_ip_email_pan_black_list	Check for: email, card, ip	ip,email,pan_identifier,payment_to_identifier	1	internal	
2	check_service	Check for: service	service_id	1	internal	
3	check_ip	Check for: ip-address	ip	1	internal	
4	check_pan (success)	Check for: PAN	pan_identifier	1	internal	
5	check_email	Check for: e-mail	email	1	internal	
6	check_pan (false)	Check for: pan (transaction false)	pan_identifier		internal	
7	check_ip	Check for: ip-address (transaction false)	ip		internal	
8	check_email_day_false		email,day	1	internal	
9	maxmind	Check of the parameters in the external module MaxMind	i_order_amount,order_currency,custPhone,city,region,postal,country,bin,forwardedIP,user_agent,accept_language,domain	1	ext_maxmind	
10	check_service_day_true	check for service per day with result=>true	service_id,day	1	internal	

Go to page: [< Previous](#) [1](#) [2](#) [3](#) [Next >](#)



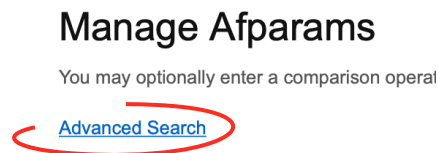
The Management menu is described in the Section 2.7. of the Manual.

The page fields are described in the Table 4.2.0.0.

Table 4.2.0.0. The Parameters management page fields description

Field name	Field format	Data format	Description
Operations menu: List AFPParam	Link	Link	Links to the Parameters list page
Operations menu: Create AFPParam	Link	Link	Links to the Parameter creation page
Advanced search	Link	Link	Opens the search bar
ID	Number	Number	Shows the Template ID number
Name	Text	Text	Shows the name of the Parameter
Descr	Text	Text	Describes the Parameter
Data fields	Text	Text	Shows the Parameter's data
Is success	Bool	Bool	Term of the success or not: 1 - Yes, 0 (empty) - No
Module	Logic	Logic	Shows the module used: internal or external (ext_maxmind)
Action bar	Action bar	Action bar	Shows the bar with a links/ commands for the view page redirection, edit page redirection and delete the current parameter

To search for the needed parameter you should activate the Link **Advanced search** on the current page:



The search bar will be opened on the current page:

[Advanced Search](#)

Id


Name

Descr

Data Fields

Is Success

Module

The fields were described in the Table 4.2.0.0. Using this bar you can search the needed template by ID number of the Template, Number key word, Description key word, Data field key word, Module name key word or by success option. To start search process you have to press **Search** button. To look through the Parameter details you have to activate the View pic  at the current position. The correspondent page of the Parameter view will be opened:

[Home](#) » [Aparams](#) » [check_ip_email_pan_black_list](#)

View AParam #1

- Operations
- List AParam
- Create AParam
- Update AParam
- Delete AParam
- Manage AParam

Id	1
Name	check_ip_email_pan_black_list
Descr	Check for: email, card, IP
Data Fields	ip,email,pan_identifier,payment_to_identifier
Is Success	1
Module	internal

The page fields are described in the Table 4.2.0.1.

Table 4.2.0.1. The Parameter details page fields description

Field name	Field format	Data format	Description
Operations menu: List AParam	Link	Link	Links to the Parameters list page
Operations menu: Create AParam	Link	Link	Links to the Parameters creation page
Operations menu: Update AParam	Link	Link	Links to the Parameters edit page
Operations menu: Delete AParam	Link	Link	Deletes the current Parameter
Operations menu: Manage AParam	Link	Link	Links to the Parameters management page
ID	Number	Number	Shows the Template ID number
Name	Text	Text	Shows the name of the Parameter
Descr	Text	Text	Describes the Parameter
Data fields	Text	Text	Shows the Parameter's data
Is success	Bool	Bool	Term of the success or not: 1 - Yes, 0 (empty) - No
Module	Logic	Logic	Shows the module used: internal or external (ext_maxmind)

4.3. Parameters creation and edit

To create the Parameter you have to activate the link **create AFPParam** in the corner of the **Manage AFPParam** page:

[Home](#) » [Manage](#)

Manage other tables



Manage Afparams

You may optionally enter a comparison operator (<, <=, >, >=, <> or =) at the beginning of each of your search values to specify how the comparison should be done.

[Advanced Search](#)

- Operations
- List AFPParam
- Create AFPParam**

Displaying 1-10 of 29 results.

Id	Name	Descr	Data Fields	Is Success	Module	
1	check_ip_email_pan_black_list	Check for: email, card, ip	ip,email_pan_identifier,payment_to_identifier	1	internal	
2	check_service	Check for: service	service_id	1	internal	

or from the any **Parameter view** Page:

[Home](#) » [Afparams](#) » [check_ip_email_pan_black_list](#)

View AFPParam #1

- Operations
- List AFPParam
- Create AFPParam**
- Update AFPParam
- Delete AFPParam
- Manage AFPParam

Id	1
Name	check ip email oan black list

The correspondent window will be opened:

[Home](#) » [Afparams](#) » [Create](#)

Create AFPParam

Fields with * are required.

Name *

Descr *

Data Fields *

Is Success

Module *

- Operations
- List AFPParam
- Manage AFPParam

The fields page description is provided in the Table 4.2.0.1.

To start a new parameter creation, for example to check the Card number in the Black-List, you should input the new parameter Name:

Name *

Then the name of the new parameter:

Descr *

Then to choose fields to check:

Data Fields *

To mark the Success result if it is needed:

Is Success

Module to use:

Module *
 internal
 ext_maxmind
 Create


And press the **Create** button:

The new Parameter will be saved.

The most useful parameters we installed with a Fraud prevention part of the SM3000 IAP Front-end.



We provide the most important templates description for the most effective usage of the Fraud prevention part of the SM3000 IAP Front-end in the Annex 9.5. of the Manual

To edit the Parameter you should activate the link Edit  of the correspondent Item of the **Manage AFPParam** page or from the **Parameter view** details page by **Update AFPParam** command:



The page with a needed template will be opened, for example:



The fields description of the page was provided in the Table 4.2.0.1.

After the edit you should press the **SAVE** button. The changed information will be saved without any announcement.

3.4. Parameter elimination

You can delete the Parameter from the **AFPParameters management** list page or from the **AFPParameter view** details page:



Chapter 5. Fraud prevention service parameters

This chapter contains the next sections:

Section	Description	Page
5.1.	General information	37
5.2.	Service parameters search and view	37
5.3.	Service parameters creation and edit	41
5.4.	Service parameters elimination	45

This page doesn't contain any information


5.1. General information

In this chapter we describe how to work with a Fraud prevention Service parameters, or how to SWITCH needed parameter to check with a service while the transactions passing though the Fraud prevention part of the SM3000 IAS Front-End.



HOW TO SWITCH ON the needed parameter with a service? - Is a slogan of the Fraud prevention service parameters job

5.2. Service parameters search and view

To search the needed Service parameters you should go to the **Manage AFSERVICE Params** page pressing the **AF_SERVICE_PARAM** link . The correspondent page will be opened:

[Home](#) » [Manage](#)

Manage other tables



Operations

[List AFSERVICEParam](#)

[Create AFSERVICEParam](#)

Manage Afservice Params

You may optionally enter a comparison operator (<, <=, >, >=, <> or =) at the beginning of each of your search values to specify how the comparison should be done.




[Advanced Search](#)

Displaying 1-17 of 17 results.

Id ▲	Is Active	Is Offline	Service	Gate	Af Param	Limit Condition	Limit Parameter	Description (user safe)	
3	+++	-			check_ip_email_pan_black_list	>=	pan_identifier	Recipient in black list	
24	+++	-			check_bin_black_list	=	pan_identifier	Bank blocked by BIN	
25	+++	-			check_country_group_by_bin	=	currency	Emitent country is not allowed	
28	+++	-			check_country_group_by_ip	=	pan_identifier	User country is not allowed	
29	+++	-			check_pan_day_true	>	original_amount	Card exceeds daily amount limit	
30	+++	-			check_service_day_true	>	original_amount	Service exceeds daily amount limit	
31	+++	+++			antifraud_scanner_p2p_whitelist	>	payment_to_identifier	[Offline] P2P Failed transfers to card	
36	-	-			check_bin_black_list	=	bin_number	Bank blocked by BIN	
101	+++	-			check_service	>	order_amount	Payment exceeds amount limit, MCC group 1	
102	+++	-			check_service	>	order_amount	Payment exceeds amount limit, MCC group 2	
103	+++	-			check service	>	order amount	Payment exceeds amount limit,	

The pages fields are described in the Table 5.2.0.0.

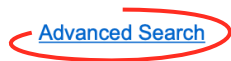
Table 5.2.0.0. The Service parameters management page fields description

Field name	Field format	Data format	Description
Operations menu: List AFServiceParam	Link	Link	Links to the Service parameters list page
Operations menu: Create AFServiceParam	Link	Link	Links to the Service parameters creation page
Advanced search	Link	Link	Opens the search bar
ID	Number	Number	Shows the Service parameter ID number
Is active	Bool	Bool	Shows the current usage status of the Service parameter: 1 - Yes, 0 (Empty) - No
Is offline	Bool	Bool	Shows the current on-line status of the Service parameter: 1 - Yes, 0 (Empty) - No
Service	Number	Number	Shows for which Merchant service the Service parameter is used
Gate	Text	Text	Shows for which processing gateway the Service parameter is used
AFParam	Text	Text	Shows Parameter name
Limit condition	Cond	Cond	Shows the condition's value: >,=,< etc
Limit parameter	Text	Text	Shows Limit Parameter name
Description	Text	Text	Describes the Service parameters rule
Action bar (  )	Button	Link	Links to the correspondent page of the View, Edit and Delete of the current Item

To search for the needed Service parameters you should activate the Link **Advanced search** on the current page:

Manage Afservice Params

You may optionally enter a comparison operator (<, <=, >, >):



The search bar will be opened on the current page:

[Advanced Search](#)

Id

Service

Gate

Af Param

Limit Condition

And Group

Limit Parameter


Limit Value Detect

Limit Value

Template

Description (user safe)

Event

The fields were described in the Table 5.2.0.0. Using this bar you can search the needed Service parameters by ID number of the Service Parameter, Service key word, Gate key word, AFParam, Limit condition, And Group, Limit parameter, Limit value detect, Limit value, Template, Description key word or by Event option. To start search process you have to press **Search** button. To look through the Service Parameter details you have to activate the View pic  at the current position. The correspondent page of the Service Parameter view will be opened:

[Home](#) » [AFService Params](#) » 36

View AFServiceParam #36

- Operations**

 - [List AFServiceParam](#)
 - [Create AFServiceParam](#)
 - [Update AFServiceParam](#)
 - [Delete AFServiceParam](#)
 - [Manage AFServiceParam](#)

Id	36
Is Active	1
Is Offline	
Service	Not set
Gate	Not set
Af Param	21
Limit Condition	=
And Group	Not set
Limit Parameter	bin_number
Limit Value Detect	Not set
Limit Value	
Template	20
Description (user safe)	Bank blocked by BIN
Event	5

The page fields are described in the Table 5.2.0.1.

Table 5.2.0.1. The Service parameters details page fields description

Field name	Field format	Data format	Description
Operations menu: List AFServiceParam	Link	Link	Links to the Service parameters list page
Operations menu: Create AFServiceParam	Link	Link	Links to the Service parameters creation page
Operations menu: Update AFServiceParam	Link	Link	Links to the Service parameters edit page
Operations menu: Delete AFServiceParam	Link	Link	Links to the Service parameters elimination page
Operations menu: Manage AFServiceParam	Link	Link	Links to the Service parameters management page
Advanced search	Link	Link	Opens the search bar
ID	Number	Number	Shows the Service parameter ID number
Is active	Bool	Bool	Shows the current usage status of the Service parameter: 1 - Yes, 0 (Empty) - No
Is offline	Bool	Bool	Shows the current on-line status of the Service parameter: 1 - Yes, 0 (Empty) - No
Service	Number	Number	Shows for which Merchant service the Service parameter is used
Gate	Text	Text	Shows for which processing gateway the Service parameter is used
AFParam	Text	Text	Shows Parameter name
Limit condition	Cond	Cond	Shows the condition's value: > , = , < etc
And Group			
Limit parameter	Text	Text	Shows Limit Parameter name
Limit condition	Cond	Cond	Shows the condition's value: > , = , < etc
Limit value detect	Text	Text	Shows Limit value to detect
Limit value	Number	Number	Shows the value of the limit
Template	Text	Text	Shows the Template
Description	Text	Text	Describes the Service parameters rule
Event	Text	Text	Shows the action to do: alarm (ID:1), trust (ID:2), filter (ID:3), info (ID:4), block (ID:5)

5.3. Service parameters creation and edit

To create the Service Parameters you have to activate the link **Create AFServiceParams** in the corner of the **Manage AFPParam** page:

[Home](#) » [Manage](#)

Manage other tables



Manage Afservice Params

You may optionally enter a comparison operator (<, <=, >, >=, <> or =) at the beginning of each of your search values to specify how the comparison should be done.

[Advanced Search](#)

Operations

- List AFServiceParam
- Create AFServiceParam**

Displaying 1-17 of 17 results.

Id	Is Active	Is Offline	Service	Gate	Af Param	Limit Condition	Limit Parameter	Description (user safe)	
104	+++	-			check_service_pan_day	>=	pan_identifier	Count success operations exceeds day limit, MCC group 1	
105	+++				check_service_pan_day	<	pan_identifier	Count success operations exceeds	

or from the any **Service Parameter view** Page:

[Home](#) » [Afservice Params](#) » 104

View AFServiceParam #104

Operations

- List AFServiceParam
- Create AFServiceParam**
- Update AFServiceParam
- Delete AFServiceParam
- Manage AFServiceParam

Id	104
Is Active	1
Is Offline	

The correspondent window will be opened:

[Home](#) » [Afservice Params](#) » Create

Create AFServiceParam

Fields with * are required.

Is Active
 Is Offline
 Service
 Gate
 Af Param *
 And Group
 Limit Parameter *
 Limit Condition *
 Limit Value Detect
 Limit Value *
 Template
 Description (user safe) *
 Event *

Operations

- List AFServiceParam
- Manage AFServiceParam

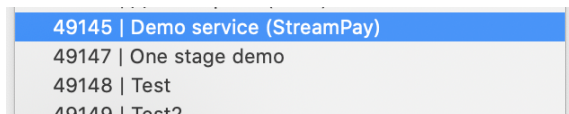
The fields page description is provided in the Table 5.2.0.1.

To start a new Service parameters creation, for example to check the Card exceeds daily amount limit, you should the statuses:

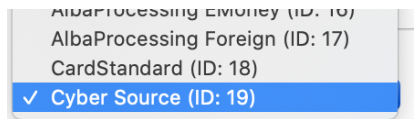
Is Active

Is Offline

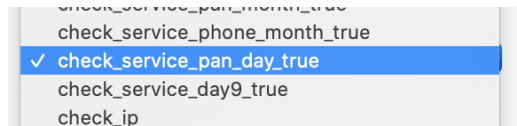
Then to choose the Merchant Service if you'd like to do it for this Merchant service:



Then to choose the processing gateway:



To choose AFParameter:



To use And Group you must input the data here:

And Group

Then the limit Parameter and limit condition:

Limit Parameter *
currency

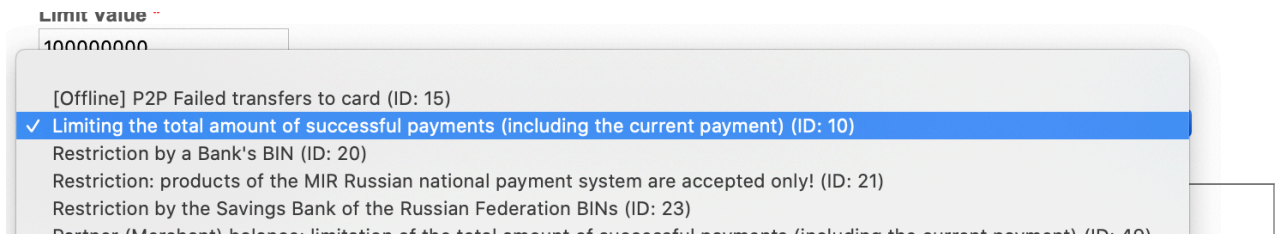
Limit Condition *
>

Then the limit value to detect and the value:

Limit Value Detect
spg.af_limit_card_amount_c

Limit Value *
100000000

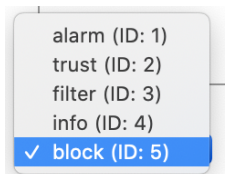
Then choose the needed Template from the list



and to enter the description of the Service Parameters:



And most important is to choose the event to execute:



After this to press the **Create** button:




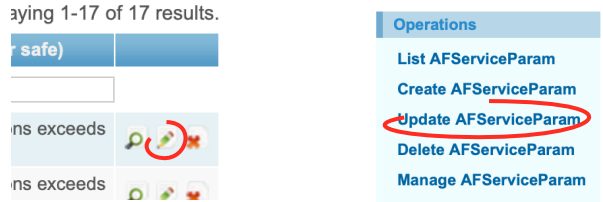
The new Service Parameter will be saved.

The most useful Service parameters we installed with a Fraud prevention part of the SM3000 IAP Front-end.

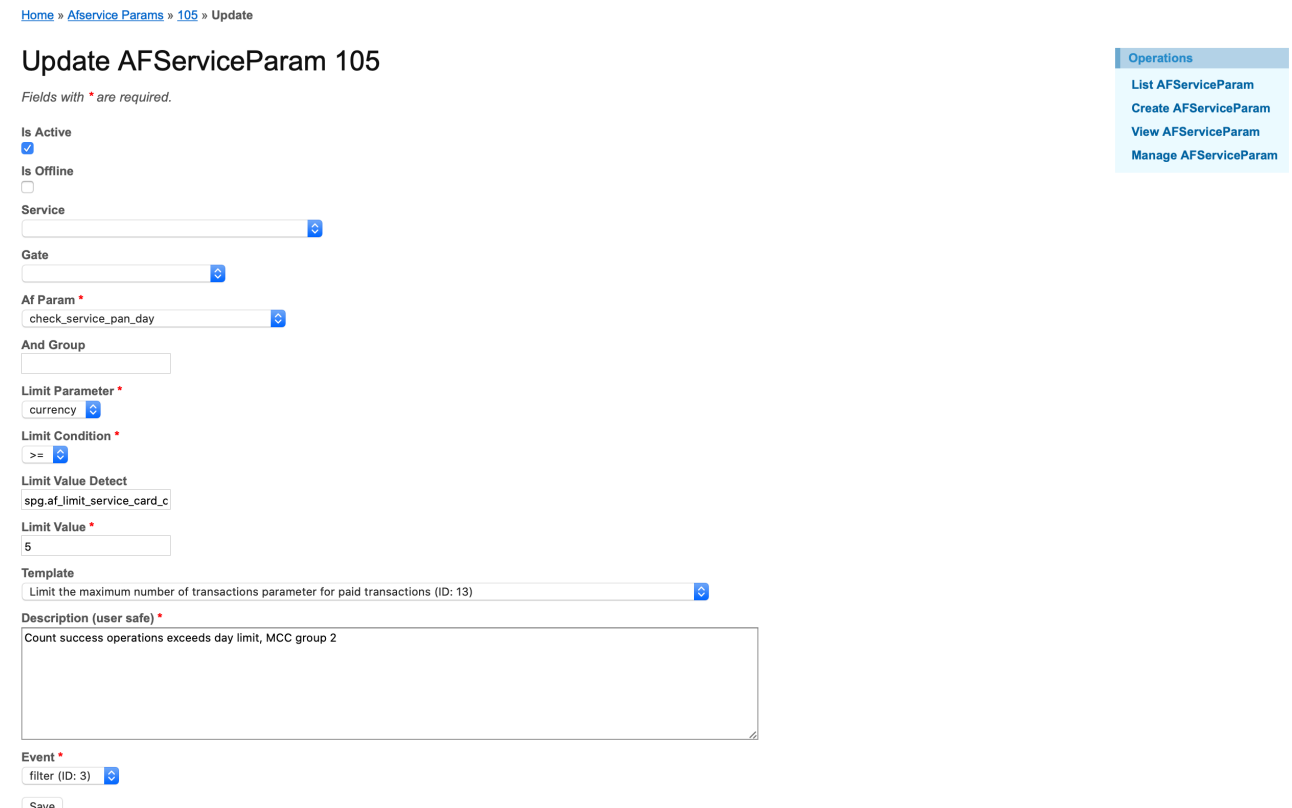


We provide the most important templates description for the most effective usage of the Fraud prevention part of the SM3000 IAP Front-end in the Annex 9.6. of the Manual

To edit the Service Parameters you should activate the link Edit  of the correspondent Item of the **Manage AFServiceParams** page or from the **Service Parameter view** details page by **Update AFServiceParam** command:



The page with a needed Service parameter will be opened, for example:



The fields description of the page was provided in the Table 5.2.0.1.

After the edit you should press the **SAVE** button. The changed information will be saved without any announcement.

5.4. Service parameters elimination

You can delete the Service Parameters from the **AFService Parameters management** list page or from the **AFService Parameter view** details page:

Showing 1-17 of 17 results.

safe)	
ns exceeds	
ns exceeds	

- Operations
- List AFServiceParam
- Create AFServiceParam
- Update AFServiceParam
- Delete AFServiceParam**
- Manage AFServiceParam

This page doesn't contain any information

Chapter 6. Fraud prevention events

This chapter contains the next sections:

Section	Description	Page
6.1.	General information	49
6.2.	Events search and view	49
6.3.	Events creation and edit	51
6.4.	Events elimination	54

This page doesn't contain any information


6.1. General information

In this chapter we describe how to work with Events, or what to do after the Service parameters check while the transactions passing though the Fraud prevention part of the SM3000 IAS Front-End.



WHAT TO DO with a result of the check? - Is a slogan of the events job

6.2. Events search and view

To search the needed Service parameters you should go to the Manage AFService Params page pressing the **AF_EVENT** link . The correspondent page will be opened:

[Home](#) » [Manage](#)

Manage other tables



Manage Afevents

You may optionally enter a comparison operator (<, <=, >, >=, <> or =) at the beginning of each of your search values to specify how the comparison should be done.

[Advanced Search](#)

Operations

[List AFEvent](#)
[Create AFEvent](#)

Displaying 1-5 of 5 results.

Id	Event	Email	Message Subj	Action	Stop After Action	
1	alarm	support@mainpay.ru	Alarm event	filter		
2	trust	none@net	-	trust		
3	filter	none@net	-	filter		
4	info	support@mainpay.ru	info	filter		
5	block	support@mainpay.ru	Transaction block	block		

The pages fields are described in the Table 6.2.0.0.

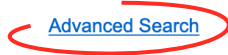
Table 6.2.0.0. The Events management page fields description

Field name	Field format	Data format	Description
Operations menu: List AFEvents	Link	Link	Links to the Events list page
Operations menu: Create AFEvents	Link	Link	Links to the Events creation page
Advanced search	Link	Link	Opens the search bar
ID	Number	Number	Shows the Event ID number
Event	Text	Text	Shows the name of the Event
Email	Text	Text	Shows the e-mail for this event
Message subj	Text	Text	Shows the message subject for the event
Action	Text	Text	Shows the filter for the event
Stop after action	Bool	Bool	Shows the status to stop or don't do it
Action bar (🔄 📄 ✖)	Button	Link	Links to the correspondent page of the View, Edit and Delete of the current Item

To search for the needed **Event** you should activate the Link **Advanced search** on the current page:

Manage Afevents

You may optionally enter a comparison



The search bar will be opened on the current page:

[Advanced Search](#)

Id

Event


Email

Message Subj

Action

Stop After Action

The fields were described in the Table 6.2.0.0. Using this bar you can search the needed Event by ID number, Name key word, e-mail, message subject key word, action or by Stop after action option.

To start search process you have to press **Search** button. To look through the Event details you have to activate the View pic  at the current position. The correspondent page of the Event view will be opened:

[Home](#) » [Afevents](#) » 1

View AFEvent #1

- Operations
- List AFEvent
- Create AFEvent
- Update AFEvent
- Delete AFEvent
- Manage AFEvent

Id	1
Event	alarm
Email	support@mainpay.ri
Message Subj	Alarm event
Action	filter
Stop After Action	

The page fields are described in the Table 5.2.0.0.

6.3. Events creation and edit

To create the Event you have to activate the link **Create AFEvent** in the corner of the **Manage AFEvents** page:

[Home](#) » [Manage](#)

Manage other tables



Manage Afevents

You may optionally enter a comparison operator (<, <=, >, >=, <> or =) at the beginning of each of your search values to specify how the comparison should be done.

[Advanced Search](#)

- Operations
- List AFEvent
- Create AFEvent**

Displaying 1-5 of 5 results.

Id	Event	Email	Message Subj	Action	Stop After Action	
1	alarm	support@mainpay.ri	Alarm event	filter		
2	test	test@	test			

or from the any **Event view** Page:

[Home](#) » [Afevents](#) » 1

View AFEvent #1

- Operations
- List AFEvent
- Create AFEvent**
- Update AFEvent
- Delete AFEvent
- Manage AFEvent

Id	1
-----------	---

The correspondent window will be opened:

[Home](#) » [Afevents](#) » Create

Create AFEvent

Fields with * are required.

Event *
trust

Email *

Message Subj *

Action *

Stop After Action

Create

- Operations
- List AFEvent
- Manage AFEvent

The fields page description is provided in the Table 6.2.0.0.

To start a new Event creation, you should choose the Event type:



Then input email address to send to:

Email *

Then input the message subject:

Message Subj *

and action to do:

Action *

with an option to stop or don't do it:

Stop After Action

After this to press the **Create** button:



The new Event will be saved.

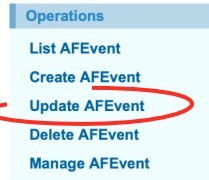
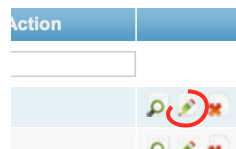
The most useful Events we installed with a Fraud prevention part of the SM3000 IAP Front-end.



We provide the most important Events description for the most effective usage of the Fraud prevention part of the SM3000 IAP Front-end in the Annex 9.7. of the Manual

To edit the Event you should activate the link Edit  of the correspondent Item of the **Manage AFEvents** page or from the **Event view** details page by **Update AFEvent** command:

Displaying 1-5 of 5 results.



The page with a needed Event will be opened to edit, for example:

[Home](#) » [Afevents](#) » 1 » Update

Update AFEvent 1

Fields with * are required.

Event *
alarm

Email *
support@mainpay.ri

Message Subj *
Alarm event

Action *
filter

Stop After Action

Save



The fields description of the page was provided in the Table 6.2.0.1.

After the edit you should press the **SAVE** button. The changed information will be saved without any announcement.

6.4. Event elimination

You can delete the Event from the **Events management** list page or from the **Event view** details page:

Displaying 1-5 of 5 results.

Action	

Operations

- List AFEEvent
- Create AFEEvent
- Update AFEEvent
- Delete AFEEvent
- Manage AFEEvent

Chapter 7. Fraud prevention black-lists

This chapter contains the next sections:

Section	Description	Page
7.1.	General information	57
7.2.	Black-list entry search and view	57
7.3.	Black list entry creation and edit	59
7.4.	Black list entry elimination	62

This page doesn't contain any information


7.1. General information

In this chapter we describe how to work with cardholders black-lists while the transactions passing though the Fraud prevention part of the SM3000 IAS Front-End.



TO PUT into the black-list? - Is a slogan of the job with black-lists

7.2. Block-list entry search and view

To search the needed Black-list entry you should go to the **Manage AFSBlack lists** page pressing the **AF_BLACK_LIST** link . The correspondent page will be opened:

[Home](#) » [Manage](#)

Manage other tables



Manage Afbblack Lists

You may optionally enter a comparison operator (<, <=, >, >=, <> or =) at the beginning of each of your search values to specify how the comparison should be done.

[Advanced Search](#)

Operations

[List AFBlackList](#)

[Create AFBlackList](#)

Displaying 1-1 of 1 result.

Id	Is Active	Is White	Pan Identifier	Masked PAN	PaymentTo Identifier	Masked PaymentTo	Ip	Email	Reason	
1	+++	+++		645834XXXXXX6342					SPAM	

The pages fields are described in the Table 7.2.0.0.

Table 7.2.0.0. The Black-lists management page fields description

Field name	Field format	Data format	Description
Operations menu: List AFEvents	Link	Link	Links to the Block-list list page
Operations menu: Create AFEvents	Link	Link	Links to the Block-list creation page
Advanced search	Link	Link	Opens the search bar
ID	Number	Number	Shows the Stop-list ID number
Is active	Bool	Bool	Shows if the status of active or not
Is white	Bool	Bool	Shows if the card stays in the White list or not
PAN identifier	Text	Text	Cardholder payer card number during the entry procedure without storage
Masked PAN	Text	Text	Shows the masked cardholder payer card number stored
Payment To Identifier	Text	Text	Cardholder receiver card number during the entry procedure without storagee
Masked Payment To	Text	Text	Shows the masked cardholder receiver card number stored
IP	Text	Text	IP address
E-mail	Text	Text	e-mail address
Reason	Text	Text	Reason to stay in the black-list
Action bar (🔄📄✖)	Button	Link	Links to the correspondent page of the View, Edit and Delete of the current Item

To search for the needed Service parameters you should activate the Link **Advanced search** on the current page:

Manage Afbblack Lists

You may optionally enter a comparison operato



The search bar will be opened on the current page:

Advanced Search

Id

Pan Identifier

Masked PAN

PaymentTo Identifier


Masked PaymentTo

Is Active

Ip

Email

The fields were described in the Table 7.2.0.0. Using this bar you can search the needed Event by ID number, PAN identifier, masked PAN, Payment to identifier key word, Masked payment to or by Is active option, by IP address and bu e-mail address.

To start search process you have to press **Search** button. To look through the Black-list details you have to activate the View pic  at the current position. The correspondent page of the Event view will be opened:

[Home](#) » [Ablack Lists](#) » 1

View AFBlackList #1

- Operations
- List AFBlackList
- Create AFBlackList
- Update AFBlackList
- Delete AFBlackList
- Manage AFBlackList

Id	1
Is Active	1
Is White	1
Pan Identifier	
Masked PAN	645834XXXXXX6342
PaymentTo Identifier	
Masked PaymentTo	Not set
Ip	45.136.254.254
Email	post@alfeba.com
Reason	SPAM

The page fields are described in the Table 7.2.0.0.

7.3. Black-list entry creation and edit

Black list creates automatically by the Platform or manually.

To create the black-list manually you have to activate the link **Create AFBlacklist** in the corner of the **Manage AFBlacklists** page:

[Home](#) » [Manage](#)

Manage other tables



Manage Ablack Lists

- Operations
- List AFBlackList
- Create AFBlackList

You may optionally enter a comparison operator (<, <=, >, >=, <> or =) at the beginning of each of your search values to specify how the comparison should be done.

[Advanced Search](#)

Displaying 1-1 of 1 result.

Id	Is Active	Is White	Pan Identifier	Masked PAN	PaymentTo Identifier	Masked PaymentTo	Ip	Email	Reason	
1	+++	+++		645834XXXXXX6342			45 136 254 254	post@alfeba.com	SPAM	

or from the any **Black-list view** Page:

[Home](#) » [Afbblack Lists](#) » 1

View AFBlackList #1

- Operations
- List AFBlackList
- Create AFBlackList**
- Update AFBlackList
- Delete AFBlackList
- Manage AFBlackList

Id	1
----	---

The correspondent window will be opened:

[Home](#) » [Afbblack Lists](#) » Create

Create AFBlackList

Fields with * are required.

Is Active

Is White

Pan Identifier

PaymentTo Identifier

Ip

Email

Reason

- Operations
- List AFBlackList
- Manage AFBlackList**

The fields page description is provided in the Table 7.2.0.0.

To start a new Black-list creation manually, you should mark the Is active and Is white positions if it is needed:

Is Active

Is White

Then PAN identifier and Payment to Identifier:

Pan Identifier

PaymentTo Identifier

Then IP address:

Ip

and e-mail address:


Email

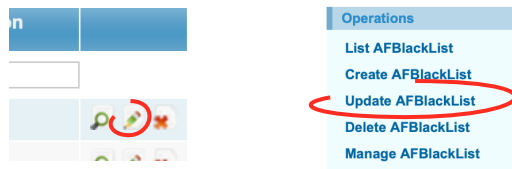
and a reason:

Reason

After this to press the **Create** button:

The new entry will be saved.

To edit the Black-list entry you should activate the link Edit  of the correspondent Item of the **Manage AFBlacklists** page or from the **Black-list view** details page by **Update AFBlacklist** command:



The page with a needed Entry will be opened to edit, for example:

[Home](#) » [Afbblack Lists](#) » 2 » Update

Update AFBlackList 2

Fields with * are required.

Is Active

Is White

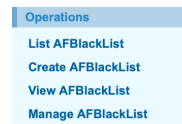
Pan Identifier

PaymentTo Identifier

Ip

Email

Reason

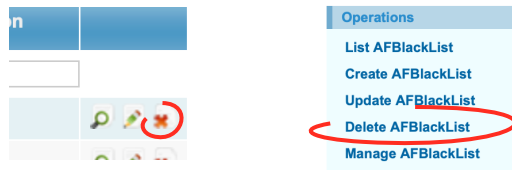


The fields description of the page was provided in the Table 7.2.0.0.

After the edit you should press the **SAVE** button. The changed information will be saved without any announcement.

7.4. Black-list entry elimination

You can delete the entry from the Black-lists from the **Black-lists management** list page or from the **Black-list view** details page:



Chapter 8. Fraud prevention reports

This chapter contains the next sections:

Section	Description	Page
8.1.	General information	65
8.2.	Data search and view	65
8.3.	Reports downloading	68

This page doesn't contain any information

8.1. General information

In this chapter we describe how to look through the on-line data information while the transactions passing through the Fraud prevention part of the SM3000 IAS Front-End and how to unload the report to your workstation.

8.2. Data search and view

To search the needed Fraud prevention data with the DataBase you should go to the **AF Data DB** page from the main menu. The correspondent page will be opened:

[Home](#) » [AF Data](#)

AF Data DB

You may optionally enter a comparison operator (-, =, +, +=, += or =) at the beginning of each of your search values to specify how the comparison should be done.

[Export CSV](#)

[Advanced Search](#)

Displaying 1-13 of 13 results.

Created At	Email	Pan Masked	Masked PaymentTo	Trn Id	Service ID	Order ID	Cardholder	IP	Original Amount	Phone	Bank Response	Trn Status	AF Check
2020-07-10 16:59:12	sk@forkode.ru	424242XXXXXX4242		425	49139	1594389551	STANISLAV KHABENKO		444	89651447572			"info"=>"Internal antifraud check failed, please see log ", "result"=>"True"
2020-07-10 12:33:37	sk@forkode.ru	424242XXXXXX4242		424	49139	1594373616	STANISLAV KHABENKO		444	89651447572			"info"=>"Internal antifraud check failed, please see log ", "result"=>"True"
2020-07-10 12:33:25	sk@forkode.ru	424242XXXXXX4242		423	49139	1594373604	STANISLAV KHABENKO		444	89651447572			"info"=>"Internal antifraud check failed, please see log "

The pages fields are described in the Table 8.2.0.0.

Table 8.2.0.0. The BAF Data DB page fields description

Field name	Field format	Data format	Description
Export CSV	Link	Link	Exports the selected data (If the data is not selected - exports all the data the file)
Advanced search	Link	Link	Opens the search bar
Created at	Date/ Time	Date/ Time	Opens the search bar
Email	Text	Text	Shows the e-mail address of the cardholder
PAN masked	Text	Text	Shows the masked PAN of the cardholder payer
Masked Payment to	Text	Text	Shows the masked PAN of the cardholder receiver
Trn ID	Text	Text	Shows the transaction ID number
Service ID	Text	Text	Shows the Merchant service ID number
Order ID	Text	Text	Shows the Order ID number
Cardholder	Text	Text	Shows the Cardholder name and family name
IP	Text	Text	Shows IP address
Original amount	Text	Text	Shows the original amount of the transaction
Phone	Text	Text	Shows the phone number of the cardholder
Bank response	Text	Text	Shows the Bank response
Trn status	Text	Text	Shows the transaction status
AF Check	Text	Text	Shows the check's result
Action bar to view	Button	Link	Links to the correspondent page of the View of the current Item

To search for the needed Data entry you should activate the Link **Advanced search** on the current page:

AF Data DB

You may optionally enter a coi

Export CSV


[Advanced Search](#)

The search bar will be opened on the current page:

[Advanced Search](#)



It contains the fields to search, described in the Table 8.2.0.0. and the bar to save and load the filter saved before.

To start search process you have to press **Search** button. To look through the AF Data entry details details you have to activate the View pic  at the current position. The correspondent page of the Data entry view will be opened:

[Home](#) » [AF Data](#) » 388

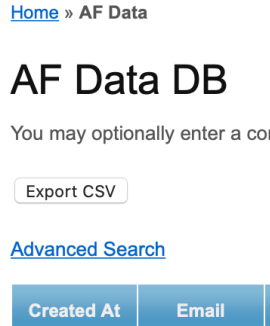
View AF Data #388

ID	388
Trn Id	425
service id	49139
order id	1594389551
email	sk@forkode.ru
pan masked	424242XXXXXX4242
pan identifier	294cdae3107a8e69dfe57a5c96494a6c
masked payment_to	Not set
payment_to identifier	Not set
cardholder	STANISLAV KHABENKO
ip	Not set
original amount	444
count	1
created at	2020-07-10 16:59:12.972997
updated at	2020-07-10 16:59:12.972997
operation	
type	payment
original currency	USD
cvc2reasoncode	1
phone	89651447572
bank response params	Not set
parent tr id	Not set
emonth	Not set
eyear	Not set
af check	"info"=>"Internal antifraud check failed, please see log ", "result"=>"True"
is success	Not set
message	Not set
Trn Status	Not set

The page fields are described in the Table 8.2.0.0.

8.3. Reports downloading

You can download reports in CSV format by pressing the Export CSV button on the **AF Data DB** page:



The file will be downloaded to your workstation with a name **afdata.csv**. If you made your search using filters, the data will be downloaded in the report filtered by the options you made.

The example of the file content is provided below.



```
id;service_id;email;pan_masked;pan_identifier;cardholder;ip;original_amount;count;created_at;updated_at;order_id;operation;type;original_currency;cvc2reasoncode;phone;bank_re
sponse_params;parent_tr_id;emonth;eyear;af_check;trn_id;masked_payment_to;payment_to_identifier;is_success;message;ext_account_type;ext_account_number;trn_status

388;49139;sk@forkode.ru;424242XXXXXX4242;294cdae3107a8e69dfe57a5c96494a6c;"STANISLAV KHABENKO";;444;1;"2020-07-10 16:59:12.972997";"2020-07-10
16:59:12.972997";1594389551;;payment;USD;1;89651447572;;;"info"=>"Internal antifraud check failed, please see log

""; ""result""=>"True"";425;";;

387;49139;sk@forkode.ru;424242XXXXXX4242;294cdae3107a8e69dfe57a5c96494a6c;"STANISLAV KHABENKO";;444;1;"2020-07-10 12:33:37.885582";"2020-07-10
12:33:37.885582";1594373616;;payment;USD;1;89651447572;;;"info"=>"Internal antifraud check failed, please see log

""; ""result""=>"True"";424;";;

386;49139;sk@forkode.ru;424242XXXXXX4242;294cdae3107a8e69dfe57a5c96494a6c;"STANISLAV KHABENKO";;444;1;"2020-07-10 12:33:25.667771";"2020-07-10
12:33:25.667771";1594373604;;payment;USD;1;89651447572;;;"info"=>"Internal antifraud check failed, please see log

""; ""result""=>"True"";423;";;

385;49139;sk@forkode.ru;424242XXXXXX4242;294cdae3107a8e69dfe57a5c96494a6c;"STANISLAV KHABENKO";;444;1;"2020-07-09 19:33:48.438302";"2020-07-09
19:33:48.438302";1594312427;;payment;USD;1;89651447572;;;"info"=>"Internal antifraud check failed, please see log

""; ""result""=>"True"";422;";;

384;49139;sk@forkode.ru;424242XXXXXX4242;294cdae3107a8e69dfe57a5c96494a6c;"STANISLAV KHABENKO";;444;1;"2020-07-09 19:33:25.886251";"2020-07-09
19:33:25.886251";1594312405;;payment;USD;1;89651447572;;;"info"=>"Internal antifraud check failed, please see log

""; ""result""=>"True"";421;";;

383;49139;sk@forkode.ru;424242XXXXXX4242;294cdae3107a8e69dfe57a5c96494a6c;"STANISLAV KHABENKO";;444;1;"2020-07-09 19:30:45.007855";"2020-07-09
19:30:45.007855";1594312244;;payment;USD;1;89651447572;;;"info"=>"Internal antifraud check failed, please see log

""; ""result""=>"True"";420;";;

382;49139;sk@forkode.ru;424242XXXXXX4242;294cdae3107a8e69dfe57a5c96494a6c;"STANISLAV KHABENKO";;444;1;"2020-07-09 19:25:18.3995";"2020-07-09
19:25:18.3995";1594311917;;payment;USD;1;89651447572;;;"info"=>"Internal antifraud check failed, please see log

""; ""result""=>"True"";419;";;

381;49139;sk@forkode.ru;424242XXXXXX4242;294cdae3107a8e69dfe57a5c96494a6c;"STANISLAV KHABENKO";;444;1;"2020-07-09 18:01:35.495753";"2020-07-09
18:01:35.495753";1594306894;;payment;USD;1;89651447572;;;"info"=>"Internal antifraud check failed, please see log

""; ""result""=>"True"";418;";;

380;49139;sk@forkode.ru;424242XXXXXX4242;294cdae3107a8e69dfe57a5c96494a6c;"STANISLAV KHABENKO";;444;1;"2020-07-09 18:01:18.550694";"2020-07-09
18:01:18.550694";1594306877;;payment;USD;1;89651447572;;;"info"=>"Internal antifraud check failed, please see log

""; ""result""=>"True"";417;";;
```

```
379;49139;sk@forkode.ru;424242XXXXX4242;294cdae3107a8e69dfe57a5c96494a6c;"STANISLAV KHABENKO";444;1;"2020-07-09 17:56:58.96308";"2020-07-09 17:56:58.96308";1594306617;;payment;USD;1;89651447572;;;;;"info"=>"Internal antifraud check failed, please see log  
", "result"=>"True";416;::::::  
378;49139;sk@forkode.ru;424242XXXXX4242;294cdae3107a8e69dfe57a5c96494a6c;"STANISLAV KHABENKO";444;1;"2020-07-09 14:38:31.002188";"2020-07-09 14:38:31.002188";1594294710;;payment;USD;1;89651447572;;;;;"info"=>"Internal antifraud check failed, please see log  
", "result"=>"True";415;::::::  
377;49139;;462294XXXXX3705;9e508807b74c840dfadbfb3b3e03963c;"TEST TEST";109.252.84.84;10;1;"2020-07-09 10:35:11.143613";"2020-07-09 10:35:11.143613";50000230;;payment;RUB;0;;;;;;"info"=>"Internal antifraud check failed, please see log  
", "result"=>"True";414;::::::  
376;49147;;462294XXXXX3705;9e508807b74c840dfadbfb3b3e03963c;"TEST TEST";109.252.84.84;10;1;"2020-07-09 10:13:27.054456";"2020-07-09 10:13:27.054456";50000229;;payment;RUB;0;;;;;;"info"=>"Internal antifraud check failed, please see log  
", "result"=>"True";413;::::::
```

Chapter 9. Attachments

This chapter contains the next sections:

Section	Description	Page
9.1.	Terms and abbreviations	72
9.2.	External documents references	74
9.3.	Standard limits	75
9.4.	The predefined templates	76
9.5.	The predefined parameters	81
9.6.	The predefined service parameters	83
9.7.	The predefined events	84

This page doesn't contain any information

9.1. Terms and abbreviations

3

3D-Secure Is an XML-based protocol designed to be an additional security layer for online credit and debit card transactions.

A

API Application programming interface

Authorization Is an approval from a card issuer, usually through a credit card processor, that the customer has sufficient funds to cover the cost of the transaction.

B

BO Back-office, of the SM3000 IAP, where the Operator's employers work to maintain the Platform jobs, as Merchants, Transactions, Agents, Reports and file exchange with a main Processing system.

C

Cardholder A person who owns a card, such as a cardholder of a credit card or debit card

ChargeBack Is a return of money to a payer. Most commonly the payer is a consumer. The chargeback reverses a money transfer from the consumer's credit card. The chargeback is ordered by the bank that issued the consumer's payment card.

F

FE Front-end, of the SM3000 IAP, where the cards authorizations are processed in on-line mode

I

IAP Internet acquiring platform. The Platform created as a separate application for the Payment operators and Payment facilitators.

ID Identification number (f.e. transaction ID or Merchant ID)

Incoming-File The data file, that Platform receives from the Bank's processor

L

Light API The interface to connect the Merchant's own platform to the SM3000 IAP

M

MasterCard MasterCard International payment system

Merchant A legal entity carrying out trading activities on the Internet using the software provided by the system

MPI Merchant Plug-in

O

Operator Payment operator or Payment facilitator, that uses SM3000 IAP

Outgoing-File The data file, that the Platform sends to the Bank's processor

P

PAN Primary account number, or simply a card number, is the card identifier found on payment cards, such as credit cards and debit cards, as well as stored-value cards, gift cards and other similar cards.

Payment Gateway A hardware-software complex developed and supported by a payment system that automates the acceptance of payments on the Internet.

Payment System Payment system between users, financial organizations and business organizations. Allows you to pay, bills and purchases, transfer money.

R

Refund A process in which a customer returns a product to the original retailer in exchange for money previously paid

Reversal The operation of crediting funds to the payer's account as compensation for the cancellation of the provision of the service or the poorly rendered service.

S

Service Merchant's service entry, registered for each MCC. It has its own parameters, fees etc.

SM3000 Sequoia Mosaic 3000. The processing platform of the cards issuing and acquiring processing, ATMs, POSs, e-commerce and m-commerce processing

System A payment system that allows you to transfer money, accept payment for goods and services through various payment gateways.

T

Transaction Within the framework of this service, a completely completed data exchange operation with a payment system, including debiting / crediting funds to an end user account.

V

VISA VISA International payment system

9.2. External documents references

The manual uses the links to the other documentation of the SM3000 IAP, listed below:

Document code	Document name	Document Purpose	Document category
200105	SM3000: IAP. Administration interface. Transactions, corrections and refunds	Describes the work with both own and agent based authorizations' transactions, corrections and refunds	User's manual

9.3. Standard limits

All MCC are divided into 3 groups. Th structure is provided in the Table 9.3.0.0.

Table 9.3.0.0. The standard limits

Group 1	Group 2	Group 3
7995	5732	All others
5542	5972	
5960	5937	
5962	5311	
5963	5499	
5964	5999	
5965	6211	
5966	7999	
5967	8999	
5968		
5969		
5993		
5944		
7631		

The following limits are defined for each group:

- A. Group 1 - \$1400 per one transaction and 3 transactions for the card per day;
- B. Group 2 - \$2800; per one transaction and 5 transactions for the card per day
- C. Group 3 - \$4200. per one transaction and 8 transactions for the card per day

Daily limit for the total amount of transactions per day: \$70,000

These limits may change for a specific store, depending on the specifics of the business.

9.4. The predefined templates

Table 9.4.0.0. The predefined templates description

No	Description	Content	Field operator
1	Template check for blacklist	SELECT COUNT(id) FROM af_black_list WHERE (%where_data_fields%) AND is_active=true and is_white=false HAVING COUNT(id) >0	OR
2	Limit for maximum amount parameter	SELECT SUM(%limit_parameter%) FROM af_data WHERE %where_data_fields% AND af_check @> ""result"=>"%result%":::hstore HAVING SUM(%limit_parameter%) %limit_condition% %limit_value%	AND
3	Template for limiting the number of records with various parameters for successful or unsuccessful transactions	SELECT sum(orig) from (select 1 from af_data WHERE %where_data_fields% AND af_check @> ""result"=>"%result%":::hstore GROUP BY %limit_parameter%) as t(orig) HAVING sum(t.orig) %limit_condition% %limit_value%	AND
4	Template for limiting the number of records with a different parameter for all transactions	SELECT sum(orig) from (select 1 from af_data WHERE %where_data_fields% GROUP BY %limit_parameter%) as t(orig) HAVING sum(t.orig) %limit_condition% %limit_value%	AND
5	Template for limiting the maximum number of transactions of the parameter with different values	SELECT COUNT(%limit_parameter%) FROM af_data WHERE %where_data_fields% HAVING COUNT(DISTINCT %limit_parameter%) %limit_condition% %limit_value%	AND
6	Template of the limiting the maximum number of transactions parameter	SELECT COUNT(%limit_parameter%) FROM af_data WHERE %where_data_fields% HAVING COUNT(%limit_parameter%) %limit_condition% %limit_value%	AND
7	Test template	select count(1) test	AND
8	Maximum count with given values	SELECT COUNT(%limit_parameter%) FROM af_data WHERE %where_data_fields% HAVING COUNT(1) %limit_condition% %limit_value%	AND
9	Maximum amount with given values	SELECT SUM(%limit_parameter%) FROM af_data WHERE %where_data_fields% HAVING SUM(%limit_parameter%) %limit_condition% %limit_value%	AND
10	Limiting the total amount of successful payments (including the current payment)	SELECT coalesce(SUM(original_amount), 0.0) + %req.Amount% FROM af_data WHERE %where_data_fields% AND is_success = 't' HAVING coalesce(SUM(original_amount), 0.0) + %req.Amount% %limit_condition% %limit_value%	AND
11	Restriction by country of IP or issuing bank	select 1 from (select trim(both ' ' from '%limit_value%') as value) xlimit, (select coalesce(max(id), 0) as id from countries_grouping where (%where_data_fields%)) xcnygrp where xlimit.value != '*' -- has some restrictions and ((position('*' in xlimit.value) = 0 -- not exists and not exists (-- implicitly allowed countries groups select * from countries_grouping where id = xcnygrp.id and group_name = ANY(string_to_array(xlimit.value, ','))) or exists (-- implicitly banned countries groups select * from countries_grouping where id = xcnygrp.id and ' ' group_name = ANY(string_to_array(xlimit.value, ',')))) ;	AND
12	Limit on the payment's amount	select 1 where %req.Amount% %limit_condition% %limit_value%	AND
13	Limit the maximum number of transactions parameter for paid transactions	select count(%limit_parameter%) from af_data where %where_data_fields% and is_success = 't' having count(%limit_parameter%) %limit_condition% %limit_value%	AND

No	Description	Content	Field operator
14	[Offline] P2P IP with many failed transfers	<pre> with x_settings as (select now() - interval '1 day' as dt_from, now() as dt_to, %limit_value%::integer as grp_count, array['REJECTED_AFTER_3DS', 'REJECTED_AFTER_BANK_WAIT', 'REJECTED_INITIAL', 'WAITING_3DS', 'WAITING_BANK'] as statuses), x_data as (select * from (select ip from af_data, x_settings where created_at between x_settings.dt_from and x_settings.dt_to and payment_to_identifier is not null -- transfer/P2P and trn_status = any(statuses) group by ip, x_settings.grp_count having count(*) > x_settings.grp_count) x1 where x1.ip not in (select ip from af_black_list where is_active and ip is not null) -- black or white) select * from (-- metadata select 0 as rowtype, ('dt_from=' to_char(x_settings.dt_from, 'YYYY-MM-DD HH24:MI:SS') ';dt_to=' to_char(x_settings.dt_to, 'YYYY-MM-DD HH24:MI:SS') ';grp_count=' x_settings.grp_count::varchar ';blacklist=ip,payment_to_identifier' ';anchor=ip') as res from x_settings union all -- data to blacklist select 1 as rowtype, (x1.ip ';' x1.payment_to_identifier) from (select distinct ip, payment_to_identifier from af_data, x_settings where created_at between x_settings.dt_from and x_settings.dt_to and payment_to_identifier is not null -- transfer/P2P and trn_status = any(statuses) and ip in (select ip from x_data) x1 union all -- 1st item in result string should be af_data.id . -- Another items: anchor fields (the reason for blacklist). select 2 as rowtype, (af_data.id ';' af_data.ip::varchar) from af_data, x_settings where created_at between x_settings.dt_from and x_settings.dt_to and payment_to_identifier is not null -- transfer/P2P and trn_status = any(statuses) and ip in (select ip from x_data) x1ext order by rowtype ; </pre>	AND

No	Description	Content	Field operator
15	[Offline] P2P Failed transfers to card	with x_settings as (select now() - interval '2 day' as dt_from, now() as dt_to, %limit_value%::integer as grp_count, array['REJECTED_AFTER_3DS', 'REJECTED_AFTER_BANK_WAIT', 'REJECTED_INITIAL', 'WAITING_3DS', 'WAITING_BANK'] as statuses), x_data as (select * from (select payment_to_identifier from af_data, x_settings where created_at between x_settings.dt_from and x_settings.dt_to and payment_to_identifier is not null -- transfer/P2P and trn_status = any(statuses) %additional_where_conditions% group by payment_to_identifier, x_settings.grp_count having count(*) > x_settings.grp_count) x1 where x1.payment_to_identifier not in (select payment_to_identifier from af_black_list where is_active and payment_to_identifier is not null) -- black or white) select * from (-- metadata select 0 as rowtype, ('dt_from=' to_char(x_settings.dt_from, 'YYYY-MM-DD HH24:MI:SS') ';dt_to=' to_char(x_settings.dt_to, 'YYYY-MM-DD HH24:MI:SS') ';grp_count=' x_settings.grp_count::varchar ';blacklist=payment_to_identifier' ';anchor=payment_to_identifier') as res from x_settings union all -- data to blacklist select 1 as rowtype, x_data.payment_to_identifier from x_settings, x_data union all -- 1st item in result string should be af_data.id . -- Another items: anchor fields (the reason for blacklist). select 2 as rowtype, (af_data.id::varchar ';' af_data.payment_to_identifier) from af_data, x_settings where created_at between x_settings.dt_from and x_settings.dt_to and payment_to_identifier is not null -- transfer/P2P and trn_status = any(statuses) and payment_to_identifier in (select payment_to_identifier from x_data)) x1text order by rowtype ;	AND
16	Your bank is in blackist	SELECT * FROM countries_grouping WHERE %where_data_fields% and group_name = 'BLK'	AND
20	Restriction by a Bank's BIN	SELECT * FROM bin_info WHERE %where_data_fields% AND (bin IN (%limit_value%))	AND
21	Restriction: products of the MIR Russian national payment system are accepted only!	SELECT * FROM bin_info WHERE %where_data_fields% AND payment_system != 'MIR'	AND
22	Calculation of the remaining limit of the amount of operations for the service for a period of time	SELECT (%limit_value% - (coalesce(SUM(original_amount), 0.0) + %req.Amount%)) AS remain_service_amount FROM af_data WHERE %where_data_fields% AND is_success = 't'	AND

No	Description	Content	Field operator
23	Restriction by the Savings Bank of the Russian Federation BINs	SELECT * FROM bin_info WHERE %where_data_fields% AND (bin IN (220220, 402333, 417398, 427401, 427405, 427409, 427410, 427457, 427458, 427464, 427465, 427471, 427473, 427474, 427476, 427491, 427614, 427619, 427621, 427634, 427647, 427657, 427658, 427665, 427671, 427673, 427678, 427679, 427690, 427692, 427693, 427694, 427695, 427696, 427697, 427900, 427914, 427915, 427919, 427921, 427923, 427924, 427934, 427947, 427957, 427958, 427965, 427971, 427973, 427976, 427978, 427979, 427980, 427981, 427982, 427983, 427984, 427985, 427986, 427987, 427988, 427989, 427990, 427991, 427992, 427993, 427994, 427995, 427996, 427997, 427998, 427636, 427604, 427627, 427662, 427668, 427670, 427950, 427446, 427466, 427470, 480112, 480111, 481776, 481779, 481781, 427623, 427442, 427439, 427460, 427450, 427930, 427940, 427955, 427624, 427956, 427620, 427643, 427645, 427652, 427656, 427660, 427684, 427406, 427417, 427448, 427451, 427452, 427477, 427937, 427444, 427615, 427602, 427613, 427626, 427640, 427667, 427672, 427676, 427683, 427685, 427687, 485463, 427408, 427449, 427953, 515497, 515522, 515842, 427416, 427411, 427445, 427917, 427961, 423078, 427422, 427400, 427403, 427404, 427407, 427412, 427413, 427414, 427415, 427418, 427419, 427420, 427421, 427423, 427424, 427428, 427429, 427433, 427434, 427435, 427437, 427440, 427441, 427443, 427447, 427453, 427456, 427459, 427461, 427462, 427463, 427468, 427469, 427472, 427499, 427601, 427605, 427606, 427607, 427608, 427609, 427610, 427611, 427616, 427618, 427622, 427625, 427628, 427630, 427631, 427632, 427638, 427641, 427642, 427644, 427646, 427649, 427650, 427653, 427654, 427655, 427659, 427663, 427664, 427666, 427674, 427675, 427677, 427680, 427681, 427682, 427686, 427689, 427699, 427920, 427901, 427904, 427909, 427931, 427938, 427939, 427944, 427945, 427949, 427952, 427954, 427960, 427967, 427969, 427972, 520633, 427951, 427430, 427600, 522860, 524829, 427933, 427431, 527576, 427963, 427906, 427612, 427943, 427648, 531310, 427425, 427454, 427929, 533205, 533208, 427928, 533669, 427977, 427932, 427427, 427902, 427959, 427925, 536961, 427432, 427962, 427911, 427905, 427907, 427948, 427426, 427402, 427603, 427964, 427913, 427926, 427639, 427974, 427936, 427436, 427903, 427970, 543763, 543942, 427946, 427910, 427688, 427999, 427922, 427661, 544626, 427927, 545037, 545152, 427941, 427629, 427467, 427633, 427918, 545840, 427935, 427637, 546031, 427617, 427966, 427475, 427908, 427912, 427942, 427455, 546901, 546902, 546903, 546904, 546905, 546906, 546907, 546908, 546909, 546910, 546911, 546913, 546916, 546917, 546918, 546920, 546922, 427438, 546925, 546926, 546927, 546928, 546929, 546930, 546931, 546932, 546933, 546935, 546936, 546937, 546938, 546939, 546940, 546941, 546942, 546943, 546944, 546945, 546946, 546947, 546948, 546949, 546950, 546951, 546952, 546953, 546955, 546956, 546959, 546960, 546961, 546962, 546963, 546964, 546966, 546967, 546968, 546969, 546970, 546972, 546974, 546975, 546976, 546977, 546998, 546999, 427635, 427975, 547901, 547902, 547905, 547906, 547907, 547910, 547911, 547912, 547913, 547920, 547922, 547925, 547926, 547927, 547928, 547930, 547931, 547932, 547935, 547936, 547937, 547938, 547940, 547942, 547943, 547944, 547945, 547947, 547948, 547949, 547950, 547951, 547952, 547953, 547954, 547955, 547956, 547959, 547960, 547961, 547962, 547964, 547966, 547969, 547972, 547976, 547998, 547999, 548401, 548402, 548403, 548405, 548406, 548407, 548410, 548411, 548412, 548413, 548416, 548420, 548422, 548425, 548426, 548427, 548428, 548430, 548431, 548432, 548435, 548436, 548438,	AND

No	Description	Content	Field operator
49	Partner (Merchant) balance: limitation of the total amount of successful payments (including the current payment)	SELECT coalesce(amount, 0.0) + %req.Amount% FROM partner_balance WHERE %where_data_fields% AND coalesce(amount, 0.0) + %req.Amount% %limit_condition% %limit_value%	AND
82	Check of the matching of the BIN country currency and the payment currency	SELECT * FROM bin_info WHERE %where_data_fields%	OR
83	Check of the matching of the service currency and the payment currency	SELECT * FROM service WHERE %where_data_fields%	OR
84	Check of the BINs in black-lists by the type of the operation	SELECT COUNT(id) FROM af_bin_black_list WHERE %where_data_fields% AND is_active=true HAVING COUNT(id) >0	OR
85	Check of the block of the payment system	select * from service_param as sp, bin_info as bi where sp.service_param_name_id = (select id from service_param_name where name = 'af_block_ps' limit 1) AND %where_data_fields% AND upper(bi.payment_system) = ANY (string_to_array(upper(value), ','))	OR

9.5. The predefined parameters

Table 9.5.0.0. The predefined parameters description

No	Name	Descr	Data Fields	Is Success	Module
1	check_ip_email_pan_black_list	Check for: email, card, IP	ip,email,pan_identifier,pa yment_to_identifier	1	internal
2	check_service	Check for: service	service_id	1	internal
3	check_ip	Check for: ip-address	ip	1	internal
4	check_pan (success)	Check for: PAN	pan_identifier	1	internal
5	check_email	Check for: e-mail	email	1	internal
6	check_pan (false)	Check for: pan (transaction false)	pan_identifier		internal
7	check_ip	Check for: ip-address (transaction false)	ip		internal
8	check_email_day_false	Check for: e-mail (transaction false)	email,day	1	internal
9	maxmind	Check of the parameters in the external module MaxMind	i,order_amount,order_cur rency,custPhone,city,regi on,postal,country,bin,forw ardedIP,user_agent,acce pt_language,domain	1	ext_maxmind
10	check_service_day_true	check for service per day with result=>true	service_id,day	1	internal
11	check_day	Check day	day	1	internal
12	check_pan_day_true	Check pan per day. Result True	pan_identifier,day	1	internal
13	check_country_group_by_bin	Check for: the Issuer's country	country_group_by_bin	1	internal
14	check_country_group_by_ip	Check for: Cardholder's country by IP-address	country_group_by_ip	1	internal
15	check_service_pan_day	Check service+pan per day	service_id,pan_identifier, day	1	internal
16	check_service_pan_month_true	Check PAN for service in month. Result True	service_id,pan_identifier, month	1	internal
17	check_service_phone_month_true	Check Phone for service in month. Result True	service_id,phone,month	1	internal
18	antifraud_scanner_p2p_whitelist	Check for: Service or BIN of the receiver is in the White list	services,bins	1	internal
19	block_recipient_by_bin	Block for the Receiver	block_by_bin_recipient	1	internal
21	check_bin_black_list	Check for: BIN is in the Black-List	block_by_bin		internal
22	check_pan_month_true	Check for: Transactions limit per card per month	pan_identifier,month	1	internal
23	info_service_day_limit	The rest of the limit for the service for the current day	service_id,day	1	internal
51	check_service_day9_true	check for service per day (from 09:00) with result=>true	service_id,day9	1	internal
52	check_service_pan_day_true	Check PAN for service in day. Result True	service_id,pan_identifier, day	1	internal
53	check_partner_balance	Check for: Partner/ Merchant available balance	partner_id,currency	1	internal
86	match_currency_country_with_currency_pay	The check of the matching of the BIN country currency and transaction currency	bin_country,	1	internal

No	Name	Descr	Data Fields	Is Success	Module
87	match_currency_service_with_currency_pay	The check of the matching of the Service currency and the transaction currency	service_currency,	1	internal
88	check_type_trn_in_bin_black_list	The check of the BINs in Black-Lists by transaction type	bin_black_list,	1	internal
89	check_block_payment_system	Check of the Payment system block	block_payment_system,	1	internal

9.6. Predefined Service parameters

Table 9.6.0.0. The predefined service parameters description

No	Active	Is offline	AFPParameter	Limit condition	Limit parameter	Description
3	+++	-	check_ip_email_pan_black_list	>=	pan_identifier	Recipient in black list
24	+++	-	check_bin_black_list	=	pan_identifier	Bank blocked by BIN
25	+++	-	check_country_group_by_bin	=	currency	Emitent country is not allowed
28	+++	-	check_country_group_by_ip	=	pan_identifier	User country is not allowed
29	+++	-	check_pan_day_true	>	original_amount	Card exceeds daily amount limit
30	+++	-	check_service_day_true	>	original_amount	Service exceeds daily amount limit
31	+++	+++	antifraud_scanner_p2p_whitelist	>	payment_to_identifier	[Offline] P2P Failed transfers to card
36	-	-	check_bin_black_list	=	bin_number	Bank blocked by BIN
101	+++	-	check_service	>	order_amount	Payment exceeds amount limit, MCC group 1
102	+++	-	check_service	>	order_amount	Payment exceeds amount limit, MCC group 2
103	+++	-	check_service	>	order_amount	Payment exceeds amount limit, MCC group 3
104	+++	-	check_service_pan_day	>=	pan_identifier	Count success operations exceeds day limit, MCC group 1
105	+++	-	check_service_pan_day	>=	pan_identifier	Count success operations exceeds day limit, MCC group 2
106	+++	-	check_service_pan_day	>=	pan_identifier	Count success operations exceeds day limit, MCC group 3
107	+++	-	check_service_day_true	>	original_amount	Service emoney_transfer exceeds daily amount limit
284	+++	-	check_service_pan_day_true	>	original_amount	Card exceeds daily amount limit
285	+++	-	check_service_pan_month_true	>	original_amount	Card exceeds monthly amount limit

9.7. Predefined Events

Table 9.7.0.0. The predefined events description

No	Name of the event	Email	Message subject	Action	Stop after action
1	alarm	support@mainpay.ri	Alarm event	filter	No
2	trust	none@net	-	trust	No
3	filter	none@net	-	filter	No
4	info	support@mainpay.ru	info	filter	No
5	block	support@mainpay.ru	Transaction block	block	No

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