

( )

.425500.008. .01-

( )

**.425500.008. .01**

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1		4
1.1	.....	4
1.2	.....	4
1.3	.....	4
1.4	.....	4
1.5	.....	5
1.6	.....	5
2		7
2.1	.....	7
2.2	.....	7
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3.1	.....	10
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# 1

## 1.1

. « » ( »).

## 1.2

( » ), . « »

## 1.3

« », « » -

## 1.4

( . 0) ,



,

.

## 2

### 2.1

HTTP.  
 ( ), .

.) ( )

( ).

, [ ].

« ».

:

).

### 2.2

».

**props:To****props:MessageInfo**

-

**props:To****props:MessageInfo**

URI.

**props:LegacyTransportFileName****props:MessageInfo.**

:

- props:CreateTime;

- props:SendTime.

:

- props:ReceiveTime;

- props:AcceptTime.

( ),

:

- props:CreateTime.

:

- props: SendTime;

- props:ReceiveTime;

- props:AcceptTime.

**props:ResultText****props:AcknowledgementInfo****props:ResultText****props:AcknowledgementInfo**

:



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1. ( ).

6 .

2. ( ).

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3.

( )

4. ( )

5. ( ).

( / ),

,

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‰ +

*props:CorrelationMessageID*

*props:MessageInfo.*

### 3

#### 3.1

– .

( )

( );

– .

#### 3.2

– HTTP 1.1 [RFC2616].

#### 3.3

#### HTTP

##### 3.3.1

##### HTTP-

« - ».

« - »

##### 3.3.1.1

« - »

[RFC2616]

« - » HTTP 1.1

HTTP- (HTTP request) POST.

HTTP- (response)

202 (Accepted),

« - » HTTP-

URL :

http://<host>/KbrReceive/

HTTP- (HTTP request) GET  
 URL. HTTP- (HTTP  
 response), (msglist:MessageList)  
 200 (OK).

204 (No Content).

URL,

URL,

URL

:

http://<host>/KbrInterface/System/Main.aspx?Method=List

URL

:

http://<host>/KbrInterface/System/Main.aspx?Method=List&Count=20

URL

:

http://<host>/KbrInterface/System/Main.aspx?Method=List&Category=REC

**EIPT**

URL

:

http://<host>/

KbrInterface/System/Main.aspx?Method=List&Category=RECEIPT&Count=20

XML-

( .1, .2).

+urn:cbr-ru:msg:list:v1.0+(

msglist)

. 1.

MessageList

		-
1 (msglist :MessageItem)		[1..n]

. 2.

## MessageItem

		-
1 (msglist:InstanceID)	HTTP ( ) 40	[1]
2 (msglist:ReceiveTime)	[ 8601- 2001]. YYYY-MM- DDThh:mm:ssZ.	[1]
3 (msglist:MessageFormat)	8	[1]
4 (msglist:Priority)	, 1	[1]
5 (msglist:LegacyTransportFileName)		[0..1]

HTTP- (HTTP request) GET  
 URL . URL  
 (msglist:InstanceID).  
 , HTTP- (HTTP request)  
 GET URL URL  
 (msglist:InstanceID).  
 URL  
 :

http://<host>/

KbrInterface/System/Main.aspx?Method=Download&InstanceID=648946132131867

http://<host>/

KbrInterface/System/Main.aspx?Method=Delete&InstanceID=648946132131867

, . . HTTP-POST  
 , HTTP-GET  
 .

## 3.3.1.2

« - »

« - »

( , Microsoft Internet Explorer 6.0).

HTTP-

URL:

<http://<host>/KbrInterface/User/Upload.aspx>

URL:

<http://<host>/KbrInterface/User/Download.aspx>

## 3.3.1.3

( . . « »),

« - » HTTP-

: **Start** **Count.** **Start**( ), **Count**

( ). URL

1024 :

<http://<host>/>[KbrInterface/System/Main.aspx?Method=Download&InstanceID=648946132131867 &Start=0&Count=1024](http://<host>/KbrInterface/System/Main.aspx?Method=Download&InstanceID=648946132131867 &Start=0&Count=1024)<http://<host>/>[KbrInterface/System/Main.aspx?Method=Download&InstanceID=648946132131867 &Start=1024&Count=1024](http://<host>/KbrInterface/System/Main.aspx?Method=Download&InstanceID=648946132131867 &Start=1024&Count=1024)

http://<host>/  
KbrInterface/System/Main.aspx?Method=Download&InstanceID=648946132131867 &Start  
=2048&Count=1024

204 (No Content)

**Count.**

**Start / Count**

... 3.3.3 - 3.3.4

Segmentation-MessageID.

Segmentation-MessageID

Segmentation-MessageID.

128-

Globally Unique Identifier (GUID)

BinHex.

Segmentation-MessageID

41

Segmentation-Number.

Segmentation-Number

1;

Segmentation-Count.

Segmentation-Count

Segmentation-Count

HTTP-

POST.

202 (Accepted)

«Segment accepted»,

202 (Accepted)

«Message

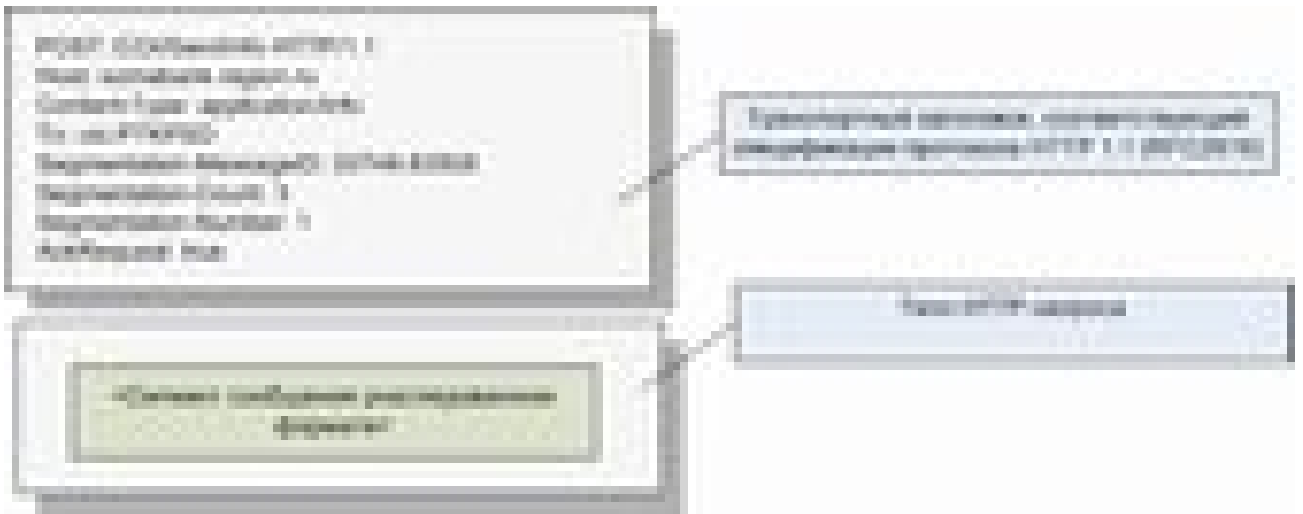
accepted».

. 1

, .2-



.1



. 2

%>+

```

POST /KbrReceive/ HTTP/1.1

Content-Type: application/xmlsid

Segmentation-MessageID: 90c7cae3-32aa-4e3b-a797-ac2433f343eb

Segmentation-Number: 1

Segmentation-Count: 3

Host: 192.168.3.4
    
```

Content-Length: 700

Connection: Keep-Alive

< 1>

HTTP/1.1 202 Segment accepted

Allow: POST

Server: Microsoft-HTTPAPI/1.0

Date: Thu, 29 Jun 2006 10:42:16 GMT

POST /KbrReceive/ HTTP/1.1

Content-Type: application/xmlsid

Segmentation-MessageID: 90c7cae3-32aa-4e3b-a797-ac2433f343eb

Segmentation-Number: 2

Segmentation-Count: 3

Host: 192.168.3.4

Content-Length: 700

Connection: Keep-Alive

< 2>

HTTP/1.1 202 Segment accepted

Allow: POST

Server: Microsoft-HTTPAPI/1.0

Date: Thu, 29 Jun 2006 10:42:16 GMT

POST /KbrReceive/ HTTP/1.1

Content-Type: application/xmlsid

Segmentation-MessageID: 90c7cae3-32aa-4e3b-a797-ac2433f343eb

Segmentation-Number: 3

Segmentation-Count: 3



```

Host: 192.168.3.4

Content-Length: 351

Connection: Keep-Alive

< 3>

HTTP/1.1 202 Message accepted

Allow: POST

Server: Microsoft-HTTPAPI/1.0

Date: Thu, 29 Jun 2006 10:42:16 GMT

```

. 3.

202	Message accepted	.
202	Segment accepted	,
400	Segment already processed	Segmentation-MessageID Segmentation-Number
400	Segmentation-Number header field is invalid	Segmentation-Number
400	Segmentation-Count header field is invalid	Segmentation-Count
400	Segmentation-Number is greater than Segmentation-Count	Segmentation-Number Segmentation-Count
400	Unexpected segment number <>. Excepted <>	,
403	Authentication failed	
403	User must be in <> group	, ,

404	Receive location not exists or not enabled	URL
405	Method <> not allowed	POST
406	Segmentation not allowed	
500	Internal server error	

3.3.1.4

« - »

HTTP- . HTTP-  
 Content-MD5, -  
 ,  
 400 Bad Request.  
 - (

Content-MD5) ( If-None-Match),  
 HTTP- -  
 , 412

Precondition Failed.  
 Content-MD5 If-None-Match

[RFC2616].  
 If-None-Match

3.3.2

HTTP 1.1

URL POST GET.  
**Accept** %application/soap+xml,  
 multipart/related+, text/\*+.

HTTP- , .

MIME- .

HTTP- .

MIME-  
,  
(Content-type)

**%multipart/form-data+**

HTTP 1.1

MIME-

3.3.3 -

3.3.4

**3.3.3**

**HTTP-**

3.3.3.1

HTTP

(HTTP-XML-EPD)

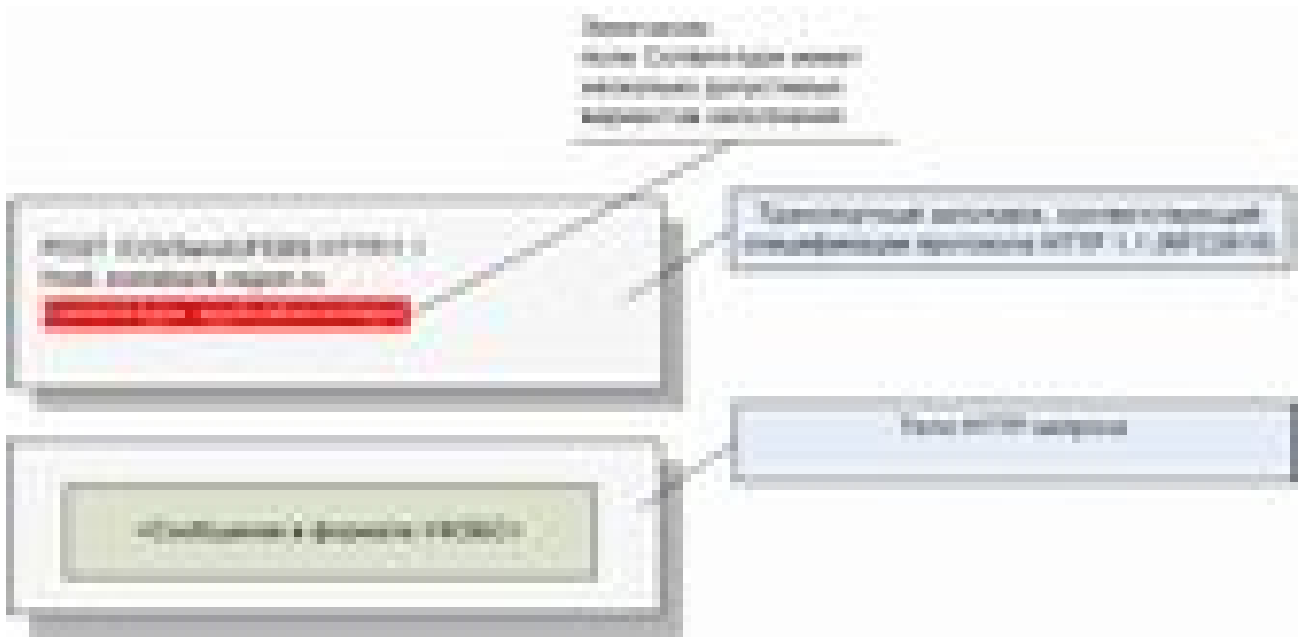
**Content-type**

**%application/xmlepd+**

[ ]

2.2

**props:SequenceInfo**



. 3

HTTP-

MIME- Content-Disposition, **%form-data;name=Î FormatÎ +**  
**%MLEPD+** MIME-

MIME- Content-Disposition, **%form-data; name=Î FileÎ ; filename=<**  
**>Î Content-Type, Î text/xmlÎ .**  
 , [ ] . 2.2  
 . 95 .

props:SequenceInfo



. 4

HTTP-

3.3.3.2

HTTP

(HTTP-XML-ESID)

Content-type

application/xml; charset=UTF-8

2.2

props:SequenceInfo

MIME-

MIME-

Content-Disposition,

form-data; name='Format'

XML-ESID

props:SequenceInfo

MIME-  
 Content-Disposition, **form-data; name=File ; filename=<**  
 >  
 Content-Type, **text/xml** .  
 [ ] . 2.2  
 95

3.3.3.3 HTTP  
 (HTTP-PUR-EPD)

**Content-type** **application/purepd+**  
 [ ] . 2.2

**props:SequenceInfo**

MIME-  
 Content-Disposition, **form-data; name=Format +**  
**PUREPD+**

**props:SequenceInfo**

MIME-  
 Content-Disposition, **form-data; name=File ; filename=<**  
 >  
 Content-Type, **text/xml** .  
 [ ] . 2.2

95

3.3.3.4

HTTP  
(HTTP-PUR-ESID)

**Content-type****application/puresid+**

[ ] . 2.2

**props:SequenceInfo**

MIME-

MIME-

Content-Disposition,

**form-data; name=Format+****URESID+****props:SequenceInfo**

MIME-

Content-Disposition,

**form-data; name=File; filename=<****>**

Content-Type,

**text/xml**

[ ] . 2.2

95

## 3.3.3.5

HTTP  
(HTTP-ZIPPED-XML-EPD)

**Content-type** **application/zxmlepd+**  
 [ ]  
 . 2.2 GZIP [RFC1952].

**props:SequenceInfo**

MIME-  
 Content-Disposition, **form-data; name=Format+**  
**ZXMLEPD+**

MIME-  
 Content-Disposition, **form-data; name=File; filename=<**  
**>** Content-Type, **application/octet-stream; text/xml**  
**application/xml+** MIME-  
 [ ] . 2.2  
 GZIP [RFC1952]. 95

**props:SequenceInfo**

## 3.3.3.6

HTTP  
(HTTP-ZIPPED-XML-ESID)

**Content-type** **application/zxmlesid+**  
 [ ]  
 . 2.2 GZIP [RFC1952].



props:SequenceInfo

MIME-  
Content-Disposition, form-data; name=Format+  
XMLSID+

MIME-  
Content-Disposition, form-data; name=File ; filename=<  
> Content-Type, application/octet-stream, text/xml  
application/xml+ MIME-  
[ ] 2.2  
GZIP [RFC1952]. 95

props:SequenceInfo

### 3.3.4

HTTP-

#### 3.3.4.1

HTTP-

« - » Content-Type

HTTP- application/xmlepd+  
application/xmlesid+ application/purepd+ application/puresid+  
application/zxmlepd+ application/zxmlesid+

« - »

Content-Type

« - » ,  
HTTP-

*LegacyTransport-FileName.*

*LegacyTransport-FileName*

UTF-8,

Base64 (RFC2045).

*LegacyTransport-FileName*

**props:LegacyTransportFileName**

**props:MessageInfo.**

« - »

**filename**

HTTP-

**Content-Disposition.**

InstanceID

.xml,

.gz,

.dat.

3.3.4.2

**Content-type**

« - »

**%application/receipt+**

« - »

**Content-type**

XML-

. 2.2

**env:Body**

**props:AcknowledgementInfo.**

**props:SequenceInfo**

**props:CorrelationMessageID**

props:ResultText

( . . 9).

props:ResultCode

3.4

( props:SequenceInfo+ ,

%SequenceNumber+, %SequenceDate+).

%dot.

. « »

( . «0000»).



» «2005» «2006» ( . 6).



. 6

30

«2001».

( . 7)



.7

, ,  
 , .  
 ( )  
 «2002» «2003» ( ,  
 .  
 ).  
 « » ,  
 SequenceDate ,  
 «2004» ( . 8).



. 8

### 3.5

« »

«3003».

HTTP

TCP-

HTTP Accepted (202) .

, « »

«3003».

URL

,  
,  
,

3.6

« - ».

3.6.1

URL. web-

URL :

http://<host>/KbrInterface/User/ChangePasswor d.aspx.

3.6.2

È

« - » HTTP 1.1 [RFC2616] HTTP- (HTTP request).

Domain . ,

User . ,

OldPassword .

NewPassword . ,

BASE64.

(response)

HTTP-

URL :

http://<host>/KbrInterfaceNew/System/ChangePasswor d.aspx





« - » « - ».

**3.7.1**

URL.

URL

http://<host>/KbrInterface/User/AddressBook.aspx

**3.7.2**

È

« - »

HTTP 1.1 [RFC2616]

HTTP-

(HTTP request).

HTTP-

(response)

URL

http://<host>/KbrInterfaceNew/System/addrbook.aspx

XML- ( . . 1, . 2).

+urn:cbr-ru:svk:address-book:v1.0+( ab)

. 6.

AddressBook

		-
1 (ab :Abonent)		[1..n]

. 7.

Abonent

		-
1 (ab:Description)		[1]
2 (ab:Category)	8	[1]
3 (ab:LogicalAddress)	50	[1]

3.8

« - »

HTTP 1.1 [RFC2616]

HTTP-

(HTTP request).

HTTP-

(response)

URL

:

http://<host>/KbrInterfaceNew/System/Version.aspx

XML-

( .

. 4).

. 8.

. 8.

200	OK	
500	Internal Server Error	

4

HTTPS

SSL.

## 5

### 5.1

#### 5.1.1 HTTP

HTTP:

- URL - « -  
»;
- URL ( URL -  
, )  
« - »;

### 5.2

HTTPS

#### 5.2.1

PPP.

MS-CHAP.

:

— ;

— .

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### 5.2.2

:

— ;

— .

,

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2617

HTTP

RFC

Digest Authentication.

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### 5.2.3

-

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:

— https://<

>/passwd/passwd.aspx;

— - :

1. . SVK;

2. - < >;

3. - < >;

4. - < >;

5. - < >;

— « ».

« ».

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« »;

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## 5.2.4

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0001	( : ( - «2») ).
	, /
1001	,
1002	,
1003	, < > Format/Subject/Content-Type/form-data
1004	, < > Format/Subject/Content-Type/form-data
1005	,
1006	,
1007	,
1008	,
	,
2001	
2002	,
2003	,
2004	,
2005	,
2006	,
3001	,



3002	
3003	,
3004	,
3005	,

- 
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, ( )  
( . 11.04.2000 774- ).
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. 1.	MessageList .....	11
. 2.	MessageItem .....	12
. 3.	.....	17
. 4.	ResponseInfo .....	32
. 5.	.....	32
. 6.	AddressBook .....	33
. 7.	Abonent .....	34
. 8.	.....	34
. 9.	‰ †.....	40

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. 1	.....	15
. 2	.....	15
. 3	HTTP-	.....20
. 4	HTTP-	.....21
. 5	.....	27
. 6	.....	28
. 7	.....	29
. 8	.....	30

