**S A N D E Z A**

**API’s Document v.1.8.3**

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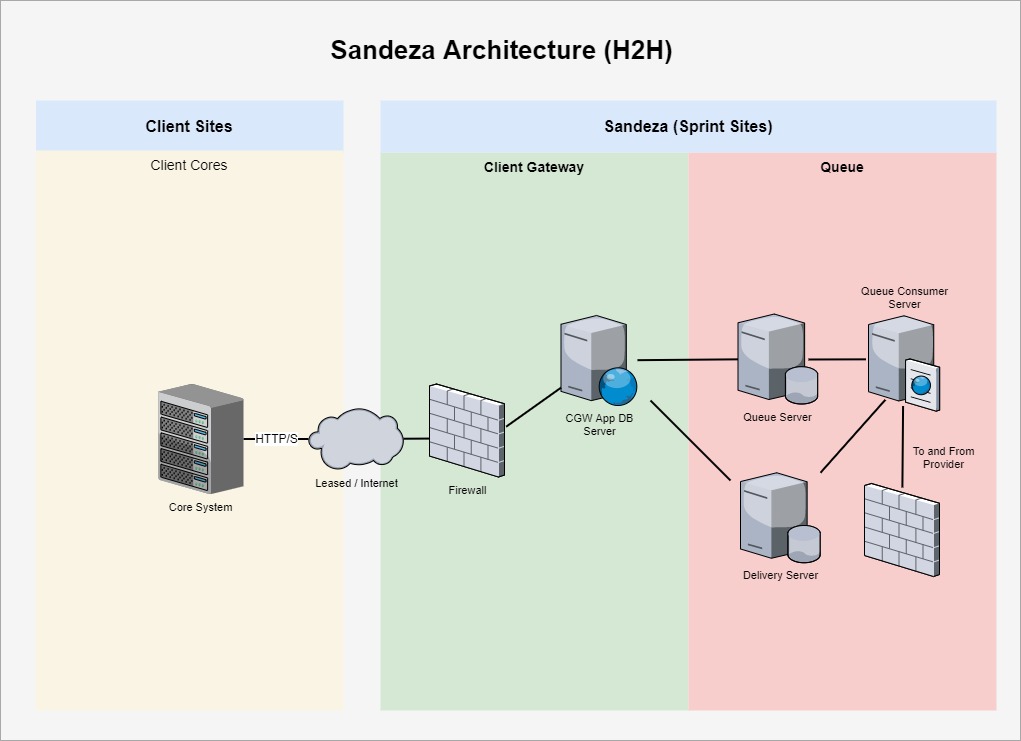
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# **Revision History**

|  |  |  |
| --- | --- | --- |
| **Date** | **Subject** | **Author** |
| 10/01/2018 | New parameter (type) | Wandi |
| 31/01/2018 | Multi social messaging parameter | Wandi |
| 07/10/2019 | New parameter (host, created\_by) | Santo |
| 11/11/2019 | New parameter (backup\_on, backup\_exp), delete parameter (created\_by, order) | Wandi |
| 28/01/2020 | New parameter (attachment) | Wandi |
| 10/03/2020 | Architecture | Wandi |
| 16/03/2020 | Remove parameter | Wandi |
| 26/05/2020 | Whatsapp Parameters | Wandi |
| 05/10/2020 | Whatsapp parameters, Email parameters, sample JSON Request | Sekar |
| 06/10/2020 | Update description parameter | Chandra |
| 12/04/2021 | Update JSON Structure, Update description parameter, remove parameter ‘tipe’ in JSON parameter channel email and whatsapp, update JSON response and response code | Sekar |
| 25/08/2021 | Add API Inquiry Status | Chandra |
| 25/05/2023 | Add Description Status Delivery | Chandra |
| 26/06/2023 | Add Parameter Button | Ahmad Utami |
| 01/02/2024 | Add parameter price pada statu delivery ke client | Ahmad Utami |

# **Sandeza Architecture**

****

# **Sandeza API**

URL : {base url}/json/cgw

## **JSON Structure – Single Channel**

### **2.1.1 Channel SMS :**

{

"signature": "fbc1555547bde0b1da581fba1c28880ac7a76a53396e64dd7f8b1e4a5eea90b8",

"time": "1608720322",

"type": "2",

"username": "s4nd3zaBr0d",

"ref\_id": "reffid-sms-001",

"subject": "example subject",

"sender\_id": "5pr1n7",

"budget\_code": "tes sandeza",

"channel": {

"sms": {

"message": "tes sandeza",

"msisdn": "62858xxxxxxxx",

"backup\_on": "",

"backup\_exp": ""

}

}

}

### **2.1.2 Channel Email**

**Email Plain text :**

{

"signature": "fbc1555547bde0b1da581fba1c28880ac7a76a53396e64dd7f8b1e4a5eea90b8",

"time": "1608720322",

"type": "2",

"created\_by": "admin",

"username": "s4nd3zaBr0d",

"ref\_id": "reffid-email-001",

"subject": "example subject",

"sender\_id": "5pr1n7",

"budget\_code": "tes sandeza",

"channel": {

"email": {

"message": "tes email",

"email": "admin@sprintasia.co.id",

"attachment": "",

"template\_id": "",

"backup\_on": "",

"backup\_exp": ""

}

}

}

**Email Template :**

{

"signature": "fbc1555547bde0b1da581fba1c28880ac7a76a53396e64dd7f8b1e4a5eea90b8",

"time": "1608720322",

"type": "2",

"created\_by": "admin",

"username": "s4nd3zaBr0d",

"ref\_id": "reffid -email-002",

"subject": "example subject",

"sender\_id": "5pr1n7",

"budget\_code": "tes sandeza",

"channel": {

"email": {

"message": "nama:sprint;alamat:Jl. Fatmawati",

"email": "admin@sprintasia.co.id",

"attachment": "",

"template\_id": "template-email-001",

"backup\_on": "",

"backup\_exp": ""

}

}

}

### **2.1.3 Channel Whatsapp**

**Template Static :**

{

"signature": "fbc1555547bde0b1da581fba1c28880ac7a76a53396e64dd7f8b1e4a5eea90b8",

"time": "1608720322",

"type": "2",

"username": "s4nd3zaBr0d",

"ref\_id": "reffid-whatsapp-001",

"subject": "example subject",

"sender\_id": "5pr1n7",

"budget\_code": "tes sandeza",

"channel": {

"whatsapp": {

"message": "",

"msisdn": "62858xxxxxxxx",

"attachment": "",

"template\_id": "thankyou",

"backup\_on": "",

"backup\_exp": ""

}

}

}

**Template Dynamic :**

{

"signature": "fbc1555547bde0b1da581fba1c28880ac7a76a53396e64dd7f8b1e4a5eea90b8",

"time": "1608720322",

"type": "2",

"username": "s4nd3zaBr0d",

"ref\_id": "reffid-whatsapp-002",

"subject": "contoh subject",

"sender\_id": "5pr1n7",

"budget\_code": "tes sandeza",

"channel": {

"whatsapp": {

"msisdn": "62858xxxxxxxx",

"template\_id": "otp\_layanan",

"message": "text:=:12345",

"attachment": "",

"backup\_on": "",

"backup\_exp": ""

}

}

}

**Template with Header Text :**

{

"signature": "fbc1555547bde0b1da581fba1c28880ac7a76a53396e64dd7f8b1e4a5eea90b8",

"time": "1608720322",

"type": "2",

"username": "s4nd3zaBr0d",

"ref\_id": "reffid-whatsapp-003",

"subject": "contoh subject",

"sender\_id": "5pr1n7",

"budget\_code": "tes sandeza",

"channel": {

"whatsapp": {

"msisdn": "62858xxxxxxxx",

"template\_id": "thankyou\_text",

"header": "text:=:Sandeza",

"message": "text:=:Sprint||text:=:Sandeza",

"attachment": "",

"backup\_on": "",

"backup\_exp": ""

}

}

}

**Template with Header Image :**

{

"signature": "fbc1555547bde0b1da581fba1c28880ac7a76a53396e64dd7f8b1e4a5eea90b8",

"time": "1608720322",

"type": "2",

"username": "s4nd3zaBr0d",

"ref\_id": "reffid-whatsapp-004",

"subject": "example subject",

"sender\_id": "5pr1n7",

"budget\_code": "tes sandeza",

"channel": {

"whatsapp": {

"msisdn": "62858xxxxxxxx",

"template\_id": "thankyou\_image",

"header": "image:=:https://media.sandeza.id/PT.%20Sprint%20Asia/Marketing/sandeza.png",

"message": "text:=:pagi||text:=:Sprint",

"attachment": "",

"backup\_on": "",

"backup\_exp": ""

}

}

}

**Template with Header Document :**

{

"signature": "fbc1555547bde0b1da581fba1c28880ac7a76a53396e64dd7f8b1e4a5eea90b8",

"time": "1608720322",

"type": "2",

"username": "s4nd3zaBr0d",

"ref\_id": "reffid-whatsapp-005",

"subject": "example subject",

"sender\_id": "5pr1n7",

"budget\_code": "tes sandeza",

"channel": {

"whatsapp": {

"msisdn": "62858xxxxxxxx ",

"template\_id": "thankyou\_document",

"header": "document:=:https://media.sandeza.id/PT.%20Sprint%20Asia/Marketing/Sandeza.pdf",

"message": "text:=:Sprint",

"attachment": "",

"backup\_on": "",

"backup\_exp": ""

}

}

}

**Template with Button:**

{

"signature": "fbc1555547bde0b1da581fba1c28880ac7a76a53396e64dd7f8b1e4a5eea90b8",

"time": "1608720322",

"type": "2",

"username": "s4nd3zaBr0d",

"ref\_id": "reffid-whatsapp-005",

"subject": "example subject",

"sender\_id": "5pr1n7",

"budget\_code": "tes sandeza",

"channel": {

"whatsapp": {

"msisdn": "62858xxxxxxxx ",

"template\_id": "sample\_template\_otp",

"header": "",

"message": "text:=:123456",

"button":"button:=:url:=:123456",

"attachment": "",

"backup\_on": "",

"backup\_exp": ""

}

}

}

**Template with Header Document & Button:**

{

"signature": "fbc1555547bde0b1da581fba1c28880ac7a76a53396e64dd7f8b1e4a5eea90b8",

"time": "1608720322",

"type": "2",

"username": "s4nd3zaBr0d",

"ref\_id": "reffid-whatsapp-005",

"subject": "example subject",

"sender\_id": "5pr1n7",

"budget\_code": "tes sandeza",

"channel": {

"whatsapp": {

"msisdn": "62858xxxxxxxx ",

"template\_id": "sample\_document\_button",

"header": "document:=:https://media.sandeza.id/PT.%20Sprint%20Asia/Marketing/Sandeza.pdf",

"message": "text:=:Sprint",

"button":"button:=:url:=:login.html",

"attachment": "",

"backup\_on": "",

"backup\_exp": ""

}

}

}

### **2.1.4 Channel Line**

{

"signature": "fbc1555547bde0b1da581fba1c28880ac7a76a53396e64dd7f8b1e4a5eea90b8",

"time": "1608720322",

"type": "2",

"created\_by": "admin",

"username": "s4nd3zaBr0d",

"ref\_id": "reffid-line-001",

"subject": "example subject",

"sender\_id": "5pr1n7",

"budget\_code": "tes sandeza",

"channel": {

"line": {

"message": "tes sprint",

"chat\_id": "U4a5d496a17259bde978850xxxxxxxxxx",

"attachment": "",

"backup\_on": "",

"backup\_exp": ""

}

}

}

### **2.1.5 Channel Telegram**

{

"signature": "fbc1555547bde0b1da581fba1c28880ac7a76a53396e64dd7f8b1e4a5eea90b8",

"time": "1608720322",

"type": "2",

"created\_by": "admin",

"username": "s4nd3zaBr0d",

"ref\_id": " reffid -telegram-001",

"subject": "example subject",

"sender\_id": "5pr1n7",

"budget\_code": "tes sandeza",

"channel": {

"telegram": {

"message": "tes sprint",

"chat\_id": "39xxxxxxx",

"attachment": "",

"backup\_on": "",

"backup\_exp": ""

}

}

}

### **2.1.6 Channel Facebook**

{

"signature": "fbc1555547bde0b1da581fba1c28880ac7a76a53396e64dd7f8b1e4a5eea90b8",

"time": "1608720322",

"type": "2",

"created\_by": "admin",

"username": "s4nd3zaBr0d",

"ref\_id": "reffid-facebook-001",

"subject": "example subject",

"sender\_id": "5pr1n7",

"budget\_code": "tes sandeza",

"channel": {

"facebook": {

"message": "tes sprint",

"chat\_id": "3444386822xxxxxx",

"attachment": "",

"backup\_on": "",

"backup\_exp": ""

}

}

}

## **JSON Structure – Send Primary Backup**

Sample : SMS as Primary and Telegram as Backup

{

"signature": "fbc1555547bde0b1da581fba1c28880ac7a76a53396e64dd7f8b1e4a5eea90b8",

"time": "1608720322",

"type": "1",

"username": "s4nd3zaBr0d",

"ref\_id": "reffid-primarybackup-001",

"subject": "example subject",

"sender\_id": "5pr1n7",

"budget\_code": "tes sandeza",

"channel": {

"sms": {

"message": "tes sandeza primary",

"msisdn": "6285810000278",

"backup\_on": "1;2;3",

"backup\_exp": "0;0;10"

},

"telegram": {

"message": "tes sandeza backup",

"chat\_id": "396734758",

"attachment": "",

"backup\_on": "",

"backup\_exp": ""

}

}

}

## **2.3 JSON Structure – Send All Channel**

{

"signature": "fbc1555547bde0b1da581fba1c28880ac7a76a53396e64dd7f8b1e4a5eea90b8",

"time": "1608720322",

"type": "2",

"username": "s4nd3zaBr0d",

"ref\_id": "reffid-sendall-001",

"subject": "example subject",

"sender\_id": "5pr1n7",

"budget\_code": "tes sandeza",

"channel": {

"sms": {

"message": "tes sandeza send all",

"msisdn": "6285810000278",

"backup\_on": "",

"backup\_exp": ""

},

"telegram": {

"message": "tes sandeza send all",

"chat\_id": "396734758",

"attachment": "https://media.sandeza.id/PT.%20Sprint%20Asia/Marketing/sandeza.png",

"backup\_on": "",

"backup\_exp": ""

},

"email": {

"message": "tes sandeza send all",

"email": "admin@sprintasia.co.id",

"attachment": "",

"template\_id": "",

"tipe": "plaintext",

"backup\_on": "",

"backup\_exp": ""

},

"line": {

"message": "tes sandeza send all",

"chat\_id": "U4a5d496a17259bde9788507064808499",

"attachment": "https://media.sandeza.id/PT.%20Sprint%20Asia/Marketing/Sandeza.pdf",

"backup\_on": "",

"backup\_exp": ""

},

"whatsapp": {

"message": "",

"msisdn": "6285810000278",

"attachment": "",

"template\_id": "thankyou\_chatbot",

"backup\_on": "",

"backup\_exp": ""

}

}

}

## **2.4 Description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Type Allowed** | **Description** | **Required** |
| type | N (Numeric) | 1 (Send Primary Backup), 2 (Single channel / Send All) | Mandatory |
| username | AN (Alpha Numeric) | Username Division | Mandatory |
| ref\_id | AN (Alpha Numeric) (< 40) | Unique Id generated by client (lowercase) | Mandatory |
| time | STRTOTIME (YYYYMMDDHHIISS) | Current Request Time | Mandatory |
| signature | SHA 256 Hash | Encrypted (Username+Password+Time), time refers to time field | Mandatory |
| subject | ANS (Alpha Numeric Space) (< 100) | Sending Message Subject | Mandatory |
| sender\_id | ANS (Alpha Numeric Space) | Sender Name (provided by sprint) | Mandatory |
| budget\_code | ANS (Alpha Numeric Space) | Additional information | Optional |
| **SMS** | | | |
| msisdn | N (Numeric), Plus (+) | Mobile phone number, with 0, 62 or + | Mandatory |
| message | Text | Message to be sent  *Sample :*  YTH. Bapak/Ibu…… | Mandatory |
| backup\_on | AN (Alpha Numeric) | Format : status1;status2  Mapping :  1 – Unsent  2 – Undelivered  3 – Pending  4 – Failed  *Sample :*  1;3 | Optional |
| backup\_exp | AN (Alpha Numeric) | Expire in minutes.  Except pending, set 0.  Format : expire1;expire2  *Sample :*  0;10 | Optional |
| **Email** | | | |
| email | Valid Email Format | Valid email format | Mandatory |
| template\_id | AN (Alpha Numeric) | Id template generated from sandeza web | Optional |
| message | Text | * Static with template : Set Empty * Static without template : Body (Non HTML format)   *Sample :*  YTH. Bapak/Ibu……   * Dynamic with template : Dynamic Values   Separator : ;  *Sample :*  nama:Sprint;alamat:Jl. Fatmawati | Optional |
| attachment | Text | Path Format : https://Path/filename  Note : https protocol is a must  File Extension :  **Email :** jpg, png, xls, xlsx, pdf, ppt, pptx, doc, docx, wav, mp4, txt  Max Size : 2MB/file  Separator : ;  *Sample :*  https://www.domain.com/test.pdf; https://www. domain.com/test2.pdf | Optional |
| backup\_on | AN (Alpha Numeric) | Format : status1;status2  Mapping :  1 – Unsent  2 – Undelivered  3 – Pending  5 – Spam  6 – Bounced  7 – Blacklist  *Sample :*  1;3 | Optional |
| backup\_exp | AN (Alpha Numeric) | Expire in minutes.  Except pending, set 0.  Format : expire1;expire2  *Sample :*  0;5 | Optional |
| **Social Messenger (Line, Telegram, Facebook)** | | | |
| chat\_id | AN (Alpha Numeric) | Social id / metadata id | Mandatory |
| message | Text | Body (Non HTML format)  *Sample :*  YTH. Bapak/Ibu…… | Mandatory |
| attachment | Text | Path Format : https://Path/filename  Note : https protocol is a must  File Extension :  **Line :** jpg, png  **Telegram :** jpg, png, pdf, mp4  **Facebook :** jpg, png, xls, xlsx, pdf, ppt, pptx, doc, docx, wav, mp4, txt  Max File Size : 2MB/file  Separator : ;  *Sample :*  https://www.domain.com/test.pdf; https://www. domain.com/test2.pdf | Optional |
| backup\_on | AN (Alpha Numeric) | Format : status1;status2  Mapping :  1 – Unsent  3 – Pending  4 – Failed  *Sample :*  1;4 | Optional |
| backup\_exp | AN (Alpha Numeric) | Expire in minutes.  Except pending, set 0.  Format : expire1;expire2  *Sample :*  0;0 | Optional |
| **Whatsapp** | | | |
| msisdn | N (Numeric), Plus (+) | Mobile phone number, with 0, 62 or + | Mandatory |
| template\_id | AN (Alpha Numeric) | Template Id registered | Mandatory |
| header | Text | Message on header  Format : type:=:value  Type : text, document, image  *Sample :*  Text : text:=:Sprint  Doc : document:=:https://www.domain.com/test.pdf  Image : image:=:https://www.domain.com/test.jpg | Optional |
| message | Text | Message on body  Format : type:=:value1||type:=:value2  Type : text  Separator : ||  *Sample :*  text:=:Sprint||text:=:Sandeza  NOTE : Jika template type authentication, value text pada **message** harus sama dengan value\_otp pada **button** | Mandatory |
| button | Text | Message on button  Format :   1. Template button otp :   - button:=:url:=:value\_otp   1. Template button visit website :   - button:=:url:=:value\_path\_url  Type : button url  *Sample :*   1. button:=:url:=:123456 2. button:=:url:=:login.html   NOTE : Jika template type authentication, value text pada **message** harus sama dengan value\_otp pada **button** | Optional |
| attachment | Text | Path Format : https://Path/filename  Note : https protocol is a must  File Extension :  **Whatsapp :** jpg, png, xls, xlsx, pdf, ppt, pptx, doc, docx, wav, mp4, txt  Max Size : 2MB/file  Separator : ;  *Sample :*  https://www.domain.com/test.pdf; https://www. domain.com/test2.pdf | Optional |
| backup\_on | AN (Alpha Numeric) | Format : status1;status2  Mapping :  1 – Unsent  2 – Undelivered  3 – Pending  4 – Failed  9 – Delivered  *Sample :*  2;3 | Optional |
| backup\_exp | AN (Alpha Numeric) | Expire in minutes.  Except pending, set 0.  Format : expire1;expire2  *Sample :*  0;10 | Optional |

## **2.5 JSON Response**

{

"rc": "0",

"ref\_id": "reffid-sms-001",

"code\_sms": "wMjAyMTA0MTQwODA2MjMxNTg3MTQ4NzQS",

"reason\_status": ""

}

Reason status is detail reason while rc not 0

{

"rc": "8",

"ref\_id": "reffid-emaile-000cd",

"code\_sms": "",

"reason\_status": "Unknown Sender Id"

}

Description

|  |  |
| --- | --- |
| **RC** | **Description** |
| 0 | Success |
| 1 | Invalid Parameter / Invalid JSON Format |
| 2 | Internal Server Error |
| Channel Not Found |
| Invalid Parameter Channel |
| Config Not Found |
| Corporate Not Found |
| Routes Not Found |
| Template Not Found |
| Role email validation not found |
| 3 | Invalid Recipient |
| 4 | Invalid Sign |
| 5 | Invalid Corporate |
| 6 | Not Ip Whitelist |
| 7 | Not Enough Token |
| 8 | Unknown Sender Id |
| 9 | Invalid Refnum |
| 10 | Invalid user OTP |

## **2.6 Delivery Status**

We will provide the delivery status to your backend. You should to prepare the recipient API with the following rules :

JSON Request

{

"status" : 1,

"channel" : "1",

"ref\_id" : "35252-n8pd9-0djr8-09ds",

"time" : "2020-04-01 10:00:00",

"price" : "PAID"

}

Description

|  |  |  |
| --- | --- | --- |
| **Field** | **Type Allowed** | **Description** |
| status | N (1) | 1 : Delivered  2 : Undelivered  3 : Pending  4 : Unsent Sprint  5 : Failed  6 : Unknown  7 : Opened  8 : Clicked  9 : Read  10 : Spam  11 : Bounced  12 : Blacklist  13 : Ringing Not Answered (RNA)  14 : Delivery Backup Not Used  15 : Unsent From Opt  16 : Sent From Opt |
| channel | N (1) | 1 : SMS  2 : Line  3 : Email  4 : Facebook  5 : Telegram  7 : Whatsapp |
| ref\_id | AN (30) | Unique Id |
| price | AN (20) | PAID : berbayar  FREE : tidak berbayar  ON PROCESS : sedang process |

JSON Response

{

"code" : "0",

"response" : "Success"

}

|  |  |
| --- | --- |
| **RC** | **Description** |
| 0 | Success |
| 1 | Failed |

## **2.7 Inquiry Status**

This API that provides the status of the request that has been sent.

URL : {base url}/inq\_status.php

JSON Request

{

"codetrx" : "mMjAyMTAzMDQxNDM2NDM2NjQ5Nzk4ODgc",

"channel” : ["sms","whatsapp"]

"datetime" : "2021-03-04"

}

Description

|  |  |  |
| --- | --- | --- |
| **Field** | **Type Allowed** | **Description** |
| codetrx | AN (50) | From “code\_sms” |
| channel | AN (1) | * SMS * Line * Email * Facebook * Telegram * Whatsapp |
| datetime | AN (10) | Format : YYYY-MM-DD |

JSON Response

{

"rc" : "0",

"desc" : "Data Found"

"data" : {

"sms" : [

{

"recipient" : "6285244444444",

"status\_send" : "0"

"time\_send" : "2021-03-04 14:33:33"

"desc\_send" : "unsent"

"status\_dlvr" : "4"

"time\_dlvr" : "2021-03-04 14:33:33"

"desc\_dlvr" : "unsent sprint"

"operator" : "Telkomsel"

}

],

"sms" : [

{

"recipient" : "6285244444444",

"status\_send" : "0",

"time\_send" : "2021-03-04 14:33:32",

"desc\_send" : "unsent",

"status\_dlvr" : "4",

"time\_dlvr" : "2021-03-04 14:33:32",

"desc\_dlvr" : "unsent sprint"

}

]

}

}

Description

|  |  |  |
| --- | --- | --- |
| **Field** | **Type Allowed** | **Description** |
| rc | AN (1) | 0 : Success  1 : Failed |
| desc | AN (30) | 0 : Data Found  1 : Data Not Found |
| recipient | AN (30) | Destination Message |
| status\_send | N (1) | 0 : Unsent  1 : Sent |
| time\_send | AN (10) | Format : YYYY-MM-DD HH:ii:ss |
| desc\_send | AN (20) | Description status sent/unsent |
| status\_dlvr | N (1) | 1 : Delivered  2 : Undelivered  3 : Pending  4 : Unsent Sprint  5 : Failed  6 : Unknown  7 : Opened  8 : Clicked  9 : Read  10 : Spam  11 : Bounced  12 : Blacklist  13 : Ringing Not Answered (RNA)  14 : Delivery Backup Not Used  15 : Unsent From Opt  16 : Sent From Opt |
| time\_dlvr | AN (10) | Format : YYYY-MM-DD HH:ii:ss |
| desc\_dlvr | AN (20) | Description status delivery |
| operator | AN (15) | * Telkomsel * Excelcom * Indosat * Hutchinson * Smartfren * International |