GERBANG SMS KERAJAAN

HTTP API SMS Specification v1.5.1

CHANGE HISTORY

Version	Author	Description of Version	Date
1.0	Shahrul Izzam	Initial version	27th June 2008
1.1	Shahrul Izzam	Added Table 1.2, 1.4 & 1.7 Added new param on Table 1.2 & 1.6	6th July 2008
1.2	Shahrul Izzam	Added new Param (telco, guid) on Table 1.6 & guid on Table 1.3 Change type on Table 1.3 & 1.6	5th August 2008
1.3	Shahrul Izzam	Added ErrorCode references. New param on table 1.6 (Username & Password)	19th February 2009
1.4	Mohd Faizal M.	Added Telco TUNETALK/UMOBILE	13th January 2014
1.5	Mohd Faizal M.	Update Character for Details	23th March 2015
1.5.1	Mohd Faizal M.	Adjust Process MT to Send SMS	30th March 2015

FUNCTIONAL OVERVIEW

Internetworking between DAPAT and AGENCY

- Message from DAPAT to AGENCY

- Message from AGENCY to DAPAT

DAPAT to AGENCY

Receive SMS
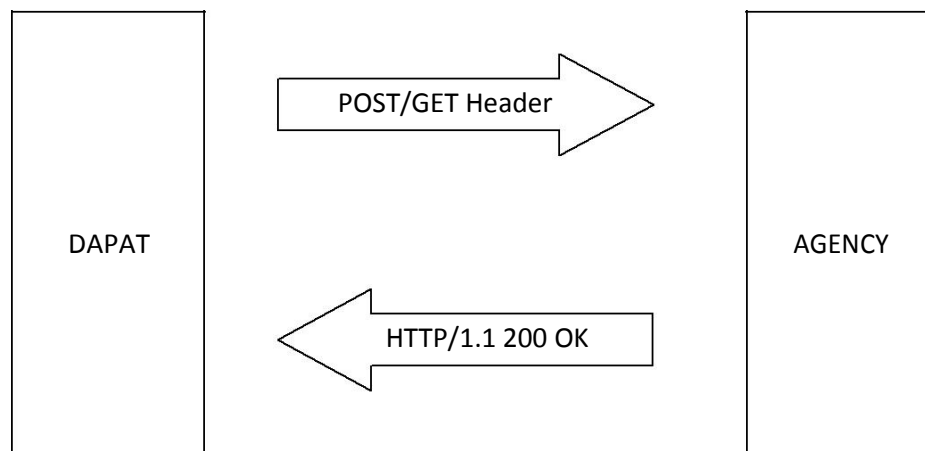

Table 1.1 – Receive SMS process flow

DAPAT deliver short message (MO) to AGENCY. AGENCY will process the request. (Eg: IOD Services)
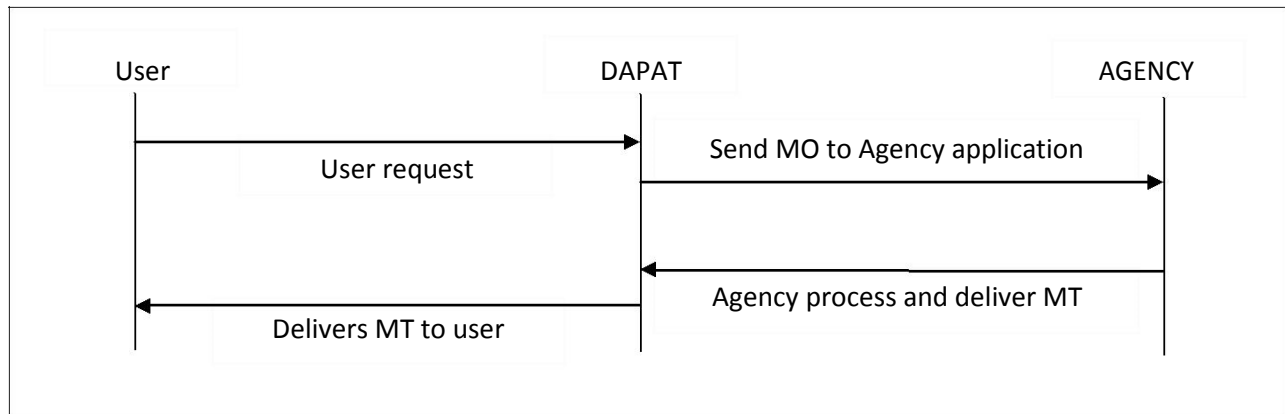
Transition Diagram of IOD Services

Table 1.2 – Transition diagram IOD services

Receive SMS Parameters

Parameter	Type	Description
Keyword	Varchar(10)	Keyword for agency. Eg: SKMM/JPJ
Smsid	Varchar(50)	Id for each sms which will be unique.
Shortcode	Varchar(5)	Shortcode. Eg: 15888
Sender	Varchar(20)	Sender's mobile number in +6xxxxxxxxxx Eg: +60121123895
Telco	Varchar(10)	Telco for sender. Eg: MAXIS/DIGI/CELCOM/TUNETALK /UMOBILE
Details	Varchar(160)	Sender's message in string format
Guid	Varchar(50)	Msg id. A unique running number.

Table 1.3 – Receive SMS parameters

1) Agency application must acknowledge the MO by returning a status code of 200. The transaction will be made unsuccessful under the following conditions:

   a. Agency return other than 200 status code.
   b. Agency returns nothing.
   c. Agency returns error codes.

2) Agency to inform DAPAT of application's URL to be registered in the e-hubung portal.

3) All parameter names are not case sensitive.

POST/GET

/receivesms.aspx?keyword=MAMPU&smsid=235478&shortcode=15888&sender=%2B60121123456&telco=MAXIS&details=hello+world+good+morning+world&guid=1234568789

Receive SMS response string

Parameter	Description
deliver	0 – send immediately 1 – send later
reply	MT message in 150 characters **Mandatory when deliver = 0**

Table 1.4 – Receive SMS response string

Below is the format of the response string.

```
HTTP/1.1 200
OK deliver:0
reply:<MT message>
```

Or

```
HTTP/1.1 200
OK deliver:1
reply:
```
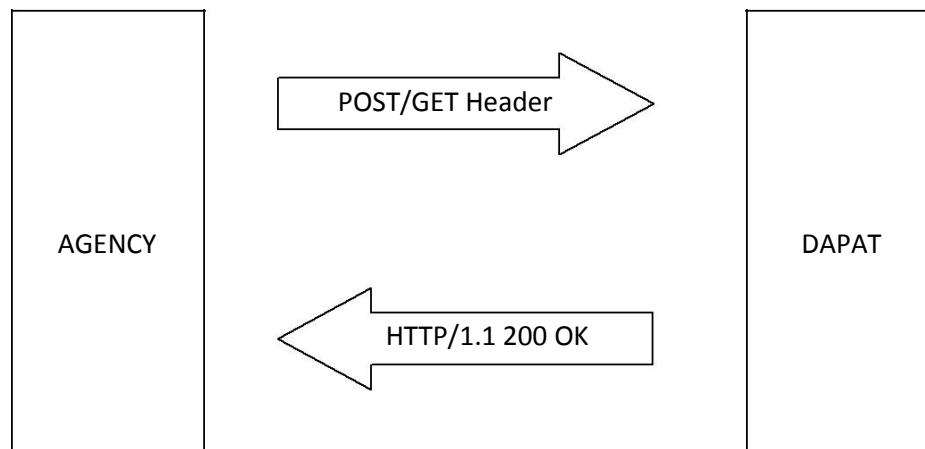
AGENCY to DAPAT

Send SMS

Table 1.5 – Process MT process flow

AGENCY will send an MT to DAPAT. DAPAT will acknowledge with 200 status code.

Send SMS Parameters

Parameter	Type	Condition
Username	Varchar(20)	Username for this account.
password	Varchar(20)	Password for this account.
keyword	Varchar(10)	Keyword for agency.
Smsid	Varchar(50)	SMS Id in integer format. For bulk the smsid must be set to zero.
Shortcode	Varchar(5)	Shortcode Eg: 15888
Sender	Varchar(20)	Receipient's mobile number in +6xxxxxxxxxx Must be URL encode
ServiceType	Varchar(20)	ServiceType for the MT Eg: PREMIUM/BULK/BULKPREPAID
Details	Varchar(140)	Reply to recipient in 140 characters Must be URL encode
telco	Varchar(10)	Telco for sender. Eg: MAXIS/DIGI/CELCOM/TUNETALK/UMOBILE
guid	Varchar(50)	Value of Guid from Table 1.3. For broadcast set value to 0

Table 1.6 – Send SMS parameters

1) Agency will need to supply DAPAT with IP from where the application is sending MT
2) DAPAT will give AGENCY a different URL according to account to initiate a HTTP POST request (MT send)
3) After each successful POST, DAPAT will return a 200 status code as well as the smsid.
4) All parameter **MUST** be URL encode.
5) All parameter names are not case sensitive.
6) Noted that, starting 1st April 2015 maximum char limit will be reduced to 140 due to GST implementation by Royal Malaysian Custom Department (RMCD). This is due to 10chars will be allocated as a GST acknowledgement. Sample of New MT Format are:

RM0.00**(Excl. GST)** MAMPU: Terima Kasih atas maklumbalas anda.

Below is an example of **Send SMS**

Premium service:

```
POST/GET

/sendsms.aspx?username=ammo&password=12345&keyword=MAMPU&smsid=15975369&shortcode=
15888&sender=%2B60121123456&servicetype=PREMIUM&details=thanks+for+reminding+me&telco=
MAXIS&guid=123456789
```

Bulk service:

```
POST/GET

 /sendsms.aspx?
username=ammo&password=12345&keyword=MAMPU &sender=%2B6012
1123456&servicetype=BULK&details=thanks+for+reminding+me&telco=MAXIS
```

Send SMS response string

Parameter	Description
Errorcode	200 – success, 000x – fail, please refer to Table 1.8
mtid	MT id. AGENCY can use the id to check on the status of the MT.

<div align="center">Table 1.7 – Send SMS response string</div>

AGENCY will receive a response string to indicate if the message has been successfully sent to DAPAT.

[mt id]|[error code]

HTTP/1.1 200 OK
Eg: 7854627|200

Or

[error code]

HTTP/1.1 200 OK
Eg: 0001

Error Code Reference

Error Code	Error Description	Description
0001	AUTHENTICATION FAILED	Your "username" and "password" values are Invalid or you do not have an account.
0002	INVALID SHORTCODE	The gateway doesn't suppose this Shortcode.
0003	KEYWORD NOT ALLOWED	Invalid keyword/ keyword does not exist.
0004	MALFORMED DESTINATION	Your DESTINATION field is invalid.
0005	MALFORMED BODY LENGTH	Your SMS Body is invalid. Must be within 1-140 characters long.
0006	MALFORMED TELCO	Your TELCO field is invalid.
0007	INVALID CHARGE FIELD	You have entered invalid data (non-integer) in the charge field. Charges allowed are 0000 & 0020
0008	NO RECORD FOUND	Your GUID does not link to any message log in our Database.
200	SUCCESSFUL	Successful transaction.

Table 1.8 – Error Code Reference