SMS Server

# Purpose

Interaction with client applications through a public API.  
Interaction with SMS Server database through a local connection.  
Interaction with ‘worker programs’.

Worker Programs

**Postage Worker**

The postage worker asks SMS Server for work items to be completed periodically.  
The work items given out contain a phone number, message text, and the SMS ID.  
The worker attempts to onforward all of these items to a particular API (Firstly SMS Global, failover API to be implemented)  
If the item is successfully onforwarded (or fails), the Postage Worker tells SMS Server (in batches of 10). Items which fail are retried in the next batch.

**Notify Worker**

The notify worker asks SMS Server for details of messages which have been sent, where the end application has not been notified yet.  
For each of these items, the worker attempts to notify the client application that the SMS has been sent. The notification address is collected by SMS Server when accepting a new SMS.

Zombie Worker

The zombie worker is responsible for cleaning up after workers failing workloads. This is useful when, for example, the postage worker crashes mid-way through completing a workload. After a timeout period, the zombie worker will unassign the work items for handing out in the next request for work.

# SMS Global Adapter

Debugging etc

**Dummy\_sms\_global** takes a sample request from the postage worker and returns OK: etc or ERROR: etc. Used for simulating treatment of return values from SMS Global without polling actual API.

**Dummy\_return\_sms** fires off a call to the SMS Server endpoint that SMS Global communicates with. Input parameter is an SMS ID (Talks to return\_sms controller method).

Adapter Methods

**Return\_sms** is an endpoint for the SMS Global API. The method expects to,from,msg,userfield,date(yymmddhhmm) as a get request.   
The method maps the input vars to database named vars (such as ID, message\_to).  
The encapsulated model returns ‘OK’ if the insert is successful (as specified by SMS Global API).

**Send** is called by the Postage Worker to queue an SMS with SMS Global that is currently in the SMS Server queue.

Return type:

array(‘error\_code’ = 0 (success, other is fail)  
‘messages’ = error message/success message for postage worker.

Expected input:

Phone,message\_text,id,worker\_id

Hard-coded values of interest:

API Username and Password

API address to post to. Testing can be sent to   
$base\_url = "http://dev.smsserver.com.au/smsglobal/dummy\_sms\_global/";

Production may send to:  
$base\_url = "http://www.smsglobal.com/http-api.php";