

# SMS Toolkit Migration Guide for Existing Customers

As a result of the SMS Toolkit work features have been made available in the E3 Messaging Platform that can also be leveraged by non-self-service customers.

The URL for the existing API is:

- a) <http://sms.dialogue.net/cgi-bin/messaging/messaging.mpl>

The URL for the SMS Toolkit is:

- b) [http://sms.dialogue.net/submit\\_sm](http://sms.dialogue.net/submit_sm)

The new URL is backed by a new-technology implementation of the E3 HTTP API which should be substantially backwards compatible but implements several improvements in the direction of web standards compliance, ease of use, performance and resilience. All SMS submission features of the new API are available to existing customers with no extra provisioning required.

- Submission response time has been significantly improved in the new API allowing higher quality of service for real-time services.
- Authentication can be performed by HTTP Basic Authentication eliminating the requirement for the **X-E3-HTTP-Login** and **X-E3-HTTP-Password** parameters (of course **X-E3-HTTP-Login** and **X-E3-HTTP-Password** still work without basic authentication as before).
- Status reporting using HTTP response codes: Incorrect/missing authentication credentials will generate a **HTTP 401** status response, and a malformed request will generate **HTTP 400** status response. In the case of an error response the response body will contain a textual description of the error.
- HTML formatting is stripped from any response text from the API for efficiency. Where text/html may have been returned previously text/plain is returned.
- Messages may now be submitted using XML or JSON. Responses (e.g. delivery report call-backs and MO messages from a session tracked conversation) will be returned in the same format the Mobile-Terminate messages were submitted to Dialogue.
- Messages can be submitted to Dialogue in UTF-8 enabling painless support of the full GSM 03.38 alphabet (\*).
- Idempotent message submission is supported for fail-safe error handling in submission timeout conditions

## Getting started

- a) The first step is to test your existing application against the new API URL by reconfiguring it to use [https://sms.dialogue.net/submit\\_sm](https://sms.dialogue.net/submit_sm) instead of <https://sms.dialogue.net/cgi-bin/messaging/messaging.mpl>. Pay particular attention to ensure your application parses the HTTP response correctly. It is very likely that the application will work correctly without changes; any changes will be due to the removal of extraneous HTML content from the HTTP response. Once any changes are made it should still work against the existing API.
- b) Review the SMS Toolkit API documentation at [http://www.dialogue.net/SMS\\_Toolkit/Documents](http://www.dialogue.net/SMS_Toolkit/Documents). It may be worthwhile add support for X-E3-Submission-ID parameter (this must be generated by the customer,

must be unique per message submission and can be specified by appending it onto the submission URL e.g.

[https://sms.dialogue.net/submit\\_sm/75A3D9D4DFBE444197F8A449BA9EBD0A](https://sms.dialogue.net/submit_sm/75A3D9D4DFBE444197F8A449BA9EBD0A)) In

case of a timeout situation where you don't get a submission response back from the API (e.g. flaky Internet connection) the request can be safely retried with the same value of **X-E3-Submission-ID** with no fear of generating duplicate message submissions.

(\*) Dependant on upstream supplier support