Bango will implement Silent SMS authentication for the “MT Auth” service, using the API that Mozilla have exposed to the trusted UI client.

In the user flow, the existing initial screen will not change, and the screen will ask the user to input their MSISDN and select their home network provider.

The Bango integration will then detect if the Mozilla Silent SMS API is available within the browser by using feature detection. Specifically to check for: window.mozPaymentProvider.observeSilentSMS.

**Where the Silent SMS feature is detected:**

The Bango integration will utilise the observeSilentSMS method, passing the defined shortcode number and assigning a callback function to process the content of the SMS that is intercepted by the Mozilla Silent SMS API.

During the Silent SMS “MT Auth” process, the Bango flow will display the UI as detailed above to the user.

When called, the Bango callback function will pass the received PIN information to Bango without any user interaction and the flow will continue normally.

In the case where the MT Auth SMS is not intercepted by the Mozilla API (and in all cases that the Bango registered callback function is not called), the Bango flow will timeout after 10 seconds and display the Bango “Error” page at which point the user must retry the purchase from the start of the flow.

**Where the Silent SMS feature is not detected:**

There is no change to the user experience from the existing solution. I.e. Bango will send the SMS and then display the PIN input screen.

There are no other changes proposed to the existing integration or user flow.

Assumptions, Exclusions and Limitations

* Only Silent SMS for MT Authentication (MT Auth) will be implemented
* Silent SMS will be used if the feature is exposed by Mozilla to the Bango flow
* The Silent SMS feature will only be available from within the Trusted UI client
* The Mozilla API is reliable and works as documented in all devices that expose the feature
* Mozilla API will correctly handle de-registration of callback functions by context (etc.)
* Only the stated changes to the Bango flow / integration will be made as part of this proposal

All Intellectual Property Rights (IPR) associated with this development remain wholly within Bango.

Timescales

The Silent SMS functionality can be made available, based on this proposal scope and a commercial agreement, by 4th February 2014.

Bango Deliverables:

1. New payment flow as described