Message app v1.3 specifications Firefox OS

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Purpose of document

Document detailing UI specifications for V1.3 of the messages app .

Version control

Name	Version	Date	Notes
Maria Fernández/ ayman maat	1.0	20.09.13	initial document produced
ayman maat	2.0	07.10.13	refer to release note
ayman maat	3.0	09.10.13	refer to release note
ayman maat	4.0	09.10.13	refer to release note
ayman maat	5.0	25.10.13	refer to release note
ayman maat	6.0	31.10.13	refer to release note
ayman maat	7.0	19.11.13	refer to release note
ayman maat	8.0	25.11.13	refer to release note
			1

Release note

Wireframe pack lives in:

Box Bugzilla : All files >Firefox UX OS >1.3 Specs >Messages : refer to section dividers

new wireframes

- none

updated wireframes

- none

deleted wireframes

Drafts : Message thread

Due to removal of specification for saving multiple drafts in a message thread

Drafts : Draft message module options

Screen obsolete due to removal of specification for saving multiple drafts in a message thread

new flows

- none

updated flows

Drafts : Save as draft from within messages app Removal of specification for saving multiple drafts in a message thread

Drafts : Save as draft when navigating away from messages app Removal of specification for saving multiple drafts in a message thread

Drafts : Opening draft messages from within thread Removal of specification for saving multiple drafts in a message thread

deleted flows

- none

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Draft Wireframes

Drafts : Inbox Drafts : Save/discard layer Drafts : Inbox options

The following pages address the following bugs in Bugzialla:

Subject Flows

https://bugzilla.mozilla.org/show_bug.cgi?id=919966

Message App specification Subject : New message, add and remove subject

< 3 recipients	< 3 recipients	\equiv	< 3 recip
To: Milla Maus Michi Luzie	To: Milla Maus Michi L	uzie +	To: Milla M
Тар			
			01 Subject
Your Message Send	🌒 first message	Tap and	Your Mess
	Add Subject	*	
keypad refer to keypad specifications	Settings	Тар	refer to
	Cancel	*	

1. New message

User clicks on the top-right icon to show the options menu

2. Options menu User selects "add subject" option 3. Subject added The subject field is shown, cursor focus is in Subject field. Behaviourally and structurally the Subject field is an extension of the Message field. Both Subject field and Message field behave as one single element when the message field is in a state it can be scrolled

01 Subject textfield added

User adds content to the subject field



4. Content in Subject field

Message is take into MMS mode

01 Temporary banner displayed indicating that message is entering MMS mode 2 MMS indicator added to indicate to user message is in MMS mode.

User removes subject field by either:

- Selecting options menu in top right hand corner, or
- Selecting the delete button in the keyboard. if all the text is removed from the

subject field and the user selects delete on the keyboard the subject field is removed.

5. Options menu

User selects "remove subject" option

6. Subject removed

The subject field is removed and message is returned to SMS format

01 Temporary banner displayed indicating that message is entering SMS mode

Message App specification Subject : New message, send message



1. New message screen with subject The user selects send 2. Message thread created with subject in the message

Due to requirements MMS cannot be our default message type, therefore the subject field is removed

01 Whatever was written in the subject field in screen one is output here. If the text length is more than one line the subject text wraps into two lines. It is not truncated.



3. Message thread created without subject in the message

01 If upon send being selected in the subject field in screen 1, no subject line will appear in the individual message module

Message App specification Subject : Message thread, add and remove subject



1. New message User clicks on the top-right icon to show the options menu

2. Options menu User selects "add subject" option

3. Subject added

01 Subject textfield added 02 If the message thread is scrolled to the bottom when the subject is added, the thread moves up to ensure that the first message is still visible

The subject field is shown, cursor focus is in Subject field.

User adds content to the subject field

4. Content in Subject field

Message is take into MMS mode

01 Temporary banner displayed indicating that message is entering MMS mode

02 MMS indicator added to indicate to user message is in MMS mode.

User removes subject field by either:

- Selecting options menu in top right hand corner, or
- Selecting the delete button in the keyboard. if all the text is removed from the
- subject field and the user selects delete on the keyboard the subject field is removed.



User selects "add subject" option

5. Subject removed

The subject field is removed and message is returned to SMS format

01 Temporary banner displayed indicating that message is entering SMS mode

Message thread : Send new message with subject



1. New thread message screen with subject The user selects sends 2. Message thread with subject in the message

Due to requirements MMS cannot be our default message type, therefore the subject field is removed

01 Whatever was written in the subject field in screen one is output here. If the text length is more than one line the subject text wraps into two lines. It is not truncated.

3. A new message in the thread is created without subject on it

01 If the user doesn't add any content in the subject field, no subject will be sent in the message

Message App specification Subject : Add subject when message thread is extended



< 3 recipients	•••
To: Milla Maus Michi Luzie	+
Subject line 1 Subject line 2	
Message line 1 Message line 2	
Message line 3 Message line 4	MMS
Message line 5 Message line 6	Send
keypad	
refer to keypad specificatio	ons
 7. Subject field exposed Subject field scrolls to its last line message field, subject field is pushed under the top fold cursor focus is placed at end of last line in message field user scrolls the message field downward 	

The following pages address the following bugs in Bugzialla:

Subject Wireframes

https://bugzilla.mozilla.org/show_bug.cgi?id=919966

Message App specification Subject : subject field

< 3 recipients 🛛 🕅 🚥	< 3 recipients 0 •••
To: Milla Maus Michi Luzie +	13:56 PM
	First message
Subject	01 Subject
Your Message Send	Your Message Send
keypad refer to keypad specifications	keypad refer to keypad specifications

1. New message composer

2. Message thread

annotation

01 Subject field

Max length of string for behaviour when the maximum length of string has been reach refer to wireframe: 'Subject : maximum length of subject reached'

nteraction with new line key on keyboard There is no concept of new line in a subject, however the new line key will be available and selectable from the keyboard therefor:

- input field
- 'space'.

Wireframe detailing the behaviour of subject the subject field

upon selection of new line key on keyboard

- The interface will allow a new line to be entered into the subject string and this will be presented as a new line within the subject

upon select send when a subject contains a new line - Replace all 'new lines' that are present in the subject string with

- There is no need to notify the user that 'new lines' have been replaced with 'space' because basically the integrity of the message the subject string is attempting to convey is not lost or altered if we replace 'new line' with 'space'. A notification itself might well = noise so we are comfortable operating with out one.



Message App specification Subject : maximum length of subject reached

< 3 recipients	•••	<	3 recipient	is	0
To: Milla Maus Michi Luzie	+	01	Maximum leng	th of subject rea	ched
Maximum length of subject reache	d			First mess	age
This is a subject that has reached its maximum length or 40 char	MMS		2		MMS
Your Message	Send	Y	our Message		Send
keypad refer to keypad specificatio	ns				tions
	To: Milla Maus Michi Luzie Maximum length of subject reached This is a subject that has reached its maximum length or 40 char Your Message keypad	To: Milla Maus Maximum length of subject reached This is a subject that has reached its maximum length or 40 char MMS Your Message Send	To: Milla Maus Michi Luzie + Maximum length of subject reached its maximum length or 40 char Your Message Send	To: Milla Maus Maximum length of subject reached This is a subject that has reached its maximum length or 40 char Your Message Keypad Image: Comparison of the subject reached its maximum length or 40 char	To: Milla Maus Maximum length of subject reached Maximum length of subject reached This is a subject that has reached its maximum length or 40 char Your Message Send keypad

1. New message composer

2. Message thread

Wireframe illustrating the dialogue that is presented to the end user when the maximum length of subject is reached

In App message informing the user that the maximum length of subject has been reached

- message sits permanently on the screen until either:

- subject length is reduced, or

annotation

01

- user moves cursor focus away from the subject input field to either the 'message field' or the 'to field'.

- When user returns cursor focus back to the subject input field the message illustrated in 01 is displayed again if subject string is at its max length. This prevents a conflict of messages being displayed on the screen when max subject length is reach and max message length is reached - all CTA's on the screen remain active

Message App specification Subject : maximum length of message reached



1. New message

User clicks on the top-right icon to show the options menu

2. Options menu

User selects "add subject" option

Wireframe illustrating the dialogue that is presented to the end user when the maximum length of a message is reached

01 In App message informing the user that the maximum length of a message has been reached

- message sits permanently on the screen until either:

- message length is reduced, or

- user moves cursor focus away from the message input field to either the 'subject field' or the 'to field'.

 When user returns cursor focus back to the message input field the message illustrated in 01 is displayed again if message string is at its max length. This prevents a conflict of messages being displayed on the screen when max subject length is reach and max message length is reached
 all CTA's on the screen remain active



The following pages address the following bugs in Bugzialla:

Forward Message Flows

https://bugzilla.mozilla.org/show_bug.cgi?id=919995 https://bugzilla.mozilla.org/show_bug.cgi?id=927783

Message App specification Forward Message : From thread



1. New message User long presses of message module



2. Message module options menu User selects the "forward message" option

3. New message composer

- Cursor focus is in the 'to field'

- New message composer is opened.

- All content of selected message (including attachments, text and links) are populated into the message field of the composer in the same order that they are presented in the selected message module in step 1

- If the message has a subject ensure that the subject is visible when page loads

- If the message is an MMS display appropriate MMS notifications

- All other functionality as already specified

refer to the draft

message specifications

The following pages address the following bugs in Bugzialla:

Message Report Flows

Delivery report: https://bugzilla.mozilla.org/show_bug.cgi?id=919977

Read Report https://bugzilla.mozilla.org/show_bug.cgi?id=919974

Message App specification Message report : Setting reports from within phone settings



1. Home screen User selects 'Settings' icon

⊜ 1	ані 🔳 1:50 рм	€2
Settings		< Cellu
Network & Connectivity		Data co
→ Airplane mode		
Geolocation		Data roa
💮 Wi-Fi		Advanced
Call Settings		Network
		Data set
cellular & Data الله،	1 h	Message
Bluetooth	Тар	
		A-GPS se

2. Settings landing menu User selects 'Cellular & Data'

3. Cellular & Data User selects Message settings



03 on / off switch for MMS Read Reports

Settings are added to current Message Settings interface. No settings are removed or adapted

01

Message report : Setting reports from message app



Settings are added

ge app inbox
Тар
Message Settings
Text message (SMS)
Delivery report request notification of delivery
Multimedia messaging (MMS)
Delivery report request notification of delivery for each message sent
Read report request read report for each message sent
Auto Retrieve automatically retrieve messages
On with roaming
3. Message settings O1 on / off switch for SMS Delivery Reports O2 on / off switch for MMS Delivery Reports O3 on / off switch for MMS Read Reports
Settings are added to current Message Settings interface. No

settings are removed or adapted

Message report : Setting reports from within new me



1. Compose new message dialogue User selects 'options' icon 2. New message options User selects 'Settings'

01 on / off switch fo 02 on / off switch fo 03 on / off switch fo

Settings are added to current Me settings are removed or adapted

essage
Тар
age Settings
age (SMS)
ty report otification of delivery
a messaging (MMS)
Ty report otification of delivery message sent
eport ad report for each ent
etrieve ally retrieve messages
th roaming
or SMS Delivery Reports or MMS Delivery Reports or MMS Read Reports
to current Message Settings interface. No

Message report : Setting reports from within message



User selects 'options' icon

2. Message thread options User selects 'Settings'

nessage thread
Тар
Message Settings
Text message (SMS)
Delivery report request notification of delivery
Multimedia messaging (MMS)
Delivery report request notification of delivery for each message sent
Read report request read report for each message sent
Auto Retrieve automatically retrieve messages
On with roaming
3. Message settings O1 on / off switch for SMS Delivery Reports O2 on / off switch for MMS Delivery Reports O3 on / off switch for MMS Read Reports
Settings are added to current Message Settings interface. No settings are removed or adapted

Message App specification Message report : View report for outgoing message from thread



01 we need to reflect the following states here:

- Delivery report received (for when delivery report has
- been)
- Read report received
- Delivery and read report received.

- For full specification please refer to wireframe: 'Message report
- : Outgoing message report'

× Message Report

Text Message (MMS), 05th October 2013 at 10:30

🕑 sent

Recipients:

Luzie Züll mobile | Vivo



Received

Delivered: 05th October 2013 at 10:30 Read: Report Requested

Message App specification Message report : View delivery report from notification



1. Notification Notification that the message has been delivered

User opens the notifications tray

2. Notifications tray

with message informing user that the message has been delivered

user taps notification

3. message thread

Relevant message thread is opened further interaction is as described in: 'Message report : View report for outgoing message from thread'

Message App specification Message report : View read report from notification



1. Notification Notification that the message has been delivered

User opens the notifications tray

2. Notifications tray

with message informing user that the message has been delivered

user taps notification

3. message thread

Relevant message thread is opened further interaction is as described in: 'Message report : View report for outgoing message from thread'

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Message App specification Message report : View report for received message



1. Message thread

User long presses on incoming message module

- 3. Incoming message report
- 01 message subject this line
- 02 to
- 03 message size
- attachment associated to it

× Message Report

Multimedia Message (MMS),

Sent: 05th October 2013 at 10:30 Received: 05th October 2013 at 10:31

- if the message is an MMS without a subject or an SMS do not display

- follow predefined conventions for the output of fields: type and carrier

- only display 'Message size: <size>' if the MMS message has an



^{2.} Outgoing message module options menu User selects 'view report'

Message Report Wireframes

The following pages address the following bugs in Bugzialla:

Delivery report: https://bugzilla.mozilla.org/show_bug.cgi?id=919977

Read Report https://bugzilla.mozilla.org/show_bug.cgi?id=919974

Message app specification Message report : Outgoing message report



Wireframe illustrating the Message Report for outgoing messages. The basic message report is available all times to the end user once they have selected to send the message.

annotation

- 01 Message status
- Reflects the overall status of the message. 3 possible states:
 - 1) Sending
 - 2) Sent
 - 3) Unsuccessful: <output reason why message failed>
- **Delivery** report
- Reflects status of the delivery report. 2 possible states:
 - 1) Requested: output "Report requested"
 - 2) Received: output date and time message was delivered
- If a Delivery Report has not been requested, do not display the text 'Delivery: <status>'

Read report

- Reflects status of the read report. 2 possible states:
 - 1) Requested: output "Report requested"
 - 2) Received: output date and time message was read
- if a Read Report has not been requested, do not display the text 'Read: <status>'

Recipient

- follow predefined conventions for the output of fields: type and carrier

Message size

- only display 'the Message size was: <size>' if the MMS message has an attachment associated to it

06 Message subject

- if the message is an MMS without a subject or an SMS do not display the text 'subject "<subject string>,"

- Date and time sent
- Date and time stamp for when the message was sent



Message Module interaction

We have have altered the interaction model for the message module in order to incorporate Message Forwarding and Delivery/Read reports. The following flows detail the alterations

interaction Flows

Message App specification Message Module Interactions : Long press

< 3 recipients 🛛 🕅 🚥	Message options
13:56 PM Some text of the message email@adv ess.com text text www.url.de of text text	
Your Message	Forward message
keypad refer to keypad specifications	View report Delete message
	Cancel

1. Message thread

User long presses on message module except for where an attachment is located

2. Message module options menu

..is opened



Message App specification Message Module Interactions : Tap on email address



1. Message thread

User taps on an email address contained in the message module

2. Email options menu

01 only display if address is not already in the contact list 02 opens an instance of the compose new email dialogue in the email app with the selected email address populated in the to field 03 opens an instance of the compose new message dialogue in the message app with the selected email address populated in the to field

FFOS_MessagesApp_V1.3_20131125_V8.0.pdf Novemeber 25, 2013

Message App specification Message Module Interactions : Tap on url



1. Message thread User taps on a url contained in the message module



2. Browser is opened

Message App specification Message Module Interactions : Tap on phone number



1. Message thread

User taps on a phone number contained in the message module

2. Phone number options menu

01 only display if phon number is not already in the contact list 02 calls the selected number

03 opens an instance of the compose new message dialogue in the message app with the selected number populated in the to field

FFOS_MessagesApp_V1.3_20131125_V8.0.pdf Novemeber 25, 2013

Anonymous messages Wireframes

The following pages address the following bugs in Bugzialla:

https://bugzilla.mozilla.org/show_bug.cgi?id=916

Message app specification Anonymous messages : Thread

<	Unknown sender •••
	5:43 PM
	First message
	6:06 PM
	Second message
1+	is not possible to
	is not possible to eply to these messages

FFOS_MessagesApp_V1.3_20131125_V8.0.pdf Novemeber 25, 2013

The following pages address the following bugs in Bugzialla:

Draft Flows

https://bugzilla.mozilla.org/show_bug.cgi?id=879143 https://bugzilla.mozilla.org/show_bug.cgi?id=919971

Message app specification Drafts : Save as draft from within messages app





Drafts : Save as draft when navigating away from messages app



2. Message thread

User selects home button on phone









1. Message app Inbox

User selects draft message

01 draft message populates the message composer. Cursor focus is on message composer

7. Message thread - draft saved

11 Temporary banner displayed for 5 seconds informing the user that the message has been saved as a draft



8. Message thread - draft discarded

The following pages address the following bugs in Bugzialla:

Draft Wireframes

https://bugzilla.mozilla.org/show_bug.cgi?id=879143 https://bugzilla.mozilla.org/show_bug.cgi?id=919971

Message app specification Drafts : Inbox



Wireframe illustrating different states of draft messages in the message app inbox

annotation

01 All / Drafts tabs

- in edit mode the tabs behave the same as the all/missed call tabs in the call log when the call log is in edit mode. upon tap on 'All'

- All messages are show

upon tap on 'Drafts'

- Only draft messages are shown.

- If a message thread contains drafts but messages have subsequently been sent or received through that thread and therefore in the inbox the thread is not displaying the information about the drafts (refer to annotation 08 and 09) still present these threads under the 'Drafts' filter

02 SMS draft message held in new message composer with no recipient in 'to field'. - ensure that the 'no recipient' text has a different visual treatment to the text used for a contacts name so as to disambiguate

03 SMS draft message held in new message composer with one recipient in 'to field'

04 SMS draft message held in new message composer with more than one recipient in 'to field'

05 MMS draft message held in new message composer with no recipient in 'to field'. - ensure that the 'no recipient' text has a different visual treatment to the text used for a contacts name so as to disambiguate

06 MMS draft message held in new message composer with one recipient in 'to field'

07 MMS draft message held in new message composer with more than one recipient in 'to field'

08 SMS draft message held in message thread

- always show information about newest message in the thread. If a message has been sent or received in the thread after a draft has been saved show the information about the message that was sent or received, not the draft.

09 MMS draft message held in message thread

- always show information about newest message in the thread. If a message has been sent or received in the thread after a draft has been saved show the information about the message that was sent or received, not the draft.

10 Compose new message CTA

upon tap

- New message composer is opened.
- 11 Message inbox options CTA

upon tap

- Message inbox options is opened. refer to wireframe 'Drafts : Inbox options'

note

- for expectation setting some visual distinction is require between drafts that are held in a new message composer (annotation 02 - 07) and draft messages that are held in the message thread (annotation 08 - 09). In the wireframe italic text has been used. This is just indicative. Visual Design should seek a more robust differentiator if it felt necessary



Message app specification Drafts : Save/discard layer



Wireframe illustrating the save/discard layer.

Layer is presented every time a user actively navigates away from a new message dialogue or a message thread either of which contain a viable message in compose mode. refer to flow 'Drafts: Save as draft from within messages app'

annotation

- Save as draft CTA 01
- saves composed message as draft
 - if the dialogue is launched from a message thread
 - draft message is saved within thread. refer to wireframe 'Drafts : Message thread' if the dialogue is launched from the new message composer
 - draft message is saved within new message composer

Discard CTA

- any content belonging to the message that is being composed is discarded and the user is returned to where they launched either the new message composer or message thread from

- 03 Cancel CTA
- dialogue is closed and user is returned to the view from which it was launched



Message app specification Drafts : Inbox options



Wireframe illustrating the inbox message options layer.

Layer is presented when the user selects the message options CTA in the Inbox

annotation

- 01 Delete messages CTA
- puts the Inbox into edit mode. Same functionality as is currently on the phone
- Settings CTA
- Opens the message settings dialogue
- Cancel CTA
- Closes dialogue and returns the user back to the view from which it was launched



Thank you

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