<table>
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| 2   | Apr 6, 2013 | • Updated spec by Josh Carpenter, per feedback from Tim Chien in “IME UX document review” email thread.  
|     |          | • Added ability to access system selection prompt from the active keyboard (page 18). |
| 1   | Aug, 2012 | • Spec created                                                           |
Contents

Layout & Hit Targets
Third Party Keyboards
Performance
Word Suggestions & Auto-correction
Dynamic Hit Targets
Settings

Gray sections to come in future revisions...
Firefox OS Default Keyboard Layout & Hit Targets

Work in progress...
Confirm that this is actually the Czech keyboard.
- Remove apostrophe
- Remove comma
- Reduce size of Shift and Delete
- Move Alternate Characters key to far left (bottom row)

- Resize Alternate Characters and Keyboard Select keys.
- Expand Spacebar.
- Remove apostrophe
- Remove comma
- Reduce size of Shift and Delete
- Move Alternate Characters key to far left (bottom row)

- Resize Alternate Characters and Keyboard Select keys.
- Expand Spacebar.

French

Android  
iOS  
Firefox OS Old  
Firefox OS New
German

Android

iOS

Firefox OS Old

Firefox OS New
Norweigan

Android

iOS

Firefox OS Old

Firefox OS New
Spanish

Android

iOS

Firefox OS Old

Firefox OS New
Turkish

Android

iOS

Firefox OS Old

Firefox OS New
Third Party Keyboards

Work in progress...
Replaceable Keyboard: User Stories

As a user, I want to be able to download and install third party keyboards, so I can find an input solution that's right for me.

As a user, I want to be notified once installation of a keyboard is complete and be presented with the option to open it, so I can complete the setup process immediately, without the risk of forgetting to do so later.

As a user, I want installed third party keyboards to be accessible from the Settings app and other paths but not from the Home screen, so they remain easy to access, but do not clutter my Home screen with keyboard app icons.

As a user, I want to be able to select an active keyboard from my installed keyboards, so I can choose the keyboard that's right for me.

As a user, I want to be able to change my active keyboard from anywhere in the OS, so I can change keyboards quickly and reliably and am never locked into using one keyboard.

As a user, I want to be able to define which keyboards and languages are enabled and disabled, so I can enable only the ones that I need.

As a user, I want to be able to adjust keyboard settings, so I can optimize them for my needs.

As a user, I want to be able to review keyboard permission details, so I can make sure I approve the security levels.

Work in progress...
If the user has no third party keyboards installed, we present the following interface. The options of the Firefox OS Default Keyboard are presented as top-level toggles, making them easier to discover for novice users.

Once the user installs a third party keyboard, the interface changes. Firefox OS Default Keyboard (FFOSDK) options are now moved into their FFOSDK Settings, accessible from the gear icon.
Setup new keyboard

Download and install a new keyboard app.

Prompt user

Setup new keyboard from Settings app

Keyboard app opens inside window.open frame.
Change keyboards from Settings

Add keyboards from a list of all available keyboards, grouped by their parent keyboard apps.

Select a keyboard from the expanded list.
Change keyboards from the active keyboard

Open Keyboard selector

Select keyboard

Selected keyboard loads
Change keyboards from Settings Tray

(Proposed future feature)

The first time the keyboard is used, we should consider presenting a permissions prompt to the user.
Access keyboard from Settings > Apps

Settings
- Language
  - English (US)
- Keyboard
- Privacy & Security
  - Phone lock
    - Enabled
  - SIM security
    - No SIM card
- App permissions
- Do Not Track
- Device
  - Device information
  - Battery

App permissions
- Angry Parrots
- Browser
- Camera
- HERE Maps
- Marketplace
- SwiftKey
- Swype
- ThickButtons

Swype
Version
Beta 1.4.9
Last updated
March 28, 2013
Last checked
April 3, 2013

Permissions
- Dictionary
  This app can read terms you added to the dictionary.
- Messages
  This app can read your text messages (SMS or MMS)

Check for Updates
Clear App Data
Uninstall App
Performance

Work in progress...
User selects text field. 
Keyboard must appear within 140ms.

User presses key. 
Key pop-up must appear within 140ms.

User releases key. 
Character must be entered into text field within 140ms.
Word Suggestions & Auto Correction

Coming soon...
Dynamic Hit Targets

Coming soon...
Settings

Coming soon...