# Development for Mozile 0.6.21+

## *Main Changes*

1. Enhancements to the Special Characters entry dialog.
    1.1. The default special chars are now the basic latin1 characters (0xA0-FF) and most of the commonly used characters that have XHTML entities.
    1.2. Character blocks are selectable via a drop down menu.
    1.3. Manually enter the unicode value for any required character in decimal or hex. (As before.)
    1.4. Larger character preview.
    1.5. Dialog window closes if you unload the main document. (Uses the unload event.)

2. MES configuration of Special Characters
    2.1. You can define additional character blocks in the MES.
    2.2. Blocks can be defined as ranges or discrete characters.
    2.3. The character blocks can add to or replace the default blocks.
    2.4. Manual entry of Unicode values can be disabled. (Useful if you don't want users to be able to enter control codes or odd characters.)

## *Changed Files*

Additions to Mozile 0.6.21

| \skin\classic\ | special.css |
|---|---|
| \content\saving\ | mozileDataTransport.js (minor correction) |
| \content\main\ | mozileCommands.js<br>mozileParseMES.js<br>mozileSpecialChars.js (new file) |
| \content\xul\ | special.xul<br>special.js<br>mozileFirefox.xul<br>mozileMozilla.xul |

## *Bug Notices*

Firefox 1.04, Windows Me.

1. Sometimes I get what looks like a 1 pixel misdraw on the right hand edge of the special chars dialog box. This is probably due to the workaround I had to put in to cope with scrollbars not being removed when they should be with the style overflow:auto.
2. Some characters don't always display correctly in the dialog box, although they display correctly when inserted into the document. E.g. Closing double quote Unicode 8221. Can't think of any good reason for this.
3. It is possible to have problems with the special chars dialog if trying to edit several documents in multiple windows (not really recommended!). E.g. if you open the special chars dialog for one document, then switch window and try to use the same previously opened dialog the character display may be blank. Closing and reopening the special chars dialog corrects the problem.

# Special Characters MES Configuration

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Date: 29 June 2005
Content: New Special Characters Configuration Options

## *MES Format*

This is a simple example of a custom special character definition added to a MES file.
It will add a single named block to the predefined character blocks.

The MES file is loaded via the RSD Config file.

```
<editingScheme ... >

        ... MES commands ...

        <specialchars insert="add">
                <specialentry entry="none"/>
                <specialblock name="MES-Test 1" columns="16">
                        <characters>77,69,83,S,84,69,83,84</characters>
                        <range start="160" end="255" wrap="16"/>
                </specialblock>
        </specialchars>

</editingScheme>
```

| Element | Attribute name value | Notes |
|---|---|---|
| specialchars | | Should only occur once. |
| | insert | Optional. Default: insert="add" |
| | replace | Replace the predefined special character blocks. |
| | add | Add to the predefined character blocks. |
| | | |
| specialentry | | Should only occur once.<br>Optional. Default: entry="any" |
| | entry | |
| | none | Don't allow manual Unicode entry. |
| | any | Allow entry of any Unicode value. |
| | | |
| specialblock | | Optional. Up to 30 blocks can be defined. |
| | name | This is the name shown in the drop down menu.<br>The displayed name is truncated to 30 characters in length. |
| | columns | Number of columns as an integer.<br>Maximum of 50. |
| | | |
| You must include at least one <characters> or <range> element. You can include multiple <character> and <range> elements in any order. Each element starts a new row of characters. | | |
| | **Text content** | |
| characters | | Comma separated list of Unicode characters that will wrap at the "columns" value specified in <specialblock>. |
| | n | integer - Unicode value |
| | "S" | space |
| | **Attribute name** | |
| range | | Contiguous range of Unicode characters. |
| | start | Start value (integer) |
| | end | End value (integer) |
| | wrap | Length of lines. (Must be <= columns) |