

# History of Changes

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## 1. Version 3.0-alpha2 (16 June 2006)

- HSSF Formula support(POI-DEVELOPERS)
- Additional HSLF support for PowerPoint(POI-DEVELOPERS)
- 39389 - [PATCH] Extended Ascii support for WingDings(POI-DEVELOPERS)

## 2. Version 3.0-alpha1 (4 July 2005)

- Bugzilla Bug 29976 [PATCH] HSSF hyperlink formula size problem(POI-DEVELOPERS)
- Image writing support(POI-DEVELOPERS)
- HSLF - Initial PowerPoint Support. Includes: Support for text extraction across the whole file; Support for getting individual slides, and their notes, and extracting text from those; Initial support for changing (but not adding) text(NB)

## 3. Version 2.5.1-FINAL (29 February 2004)

- Outlining support(POI-DEVELOPERS)
- 27574 - [PATCH] HSSFDateUtil.getExcelDate() is one hour off when DST changes(POI-DEVELOPERS)
- 26465 - [PATCH] wrong lastrow entry(POI-DEVELOPERS)
- 28203 - [PATCH] Unable to open read-write excel file including forms(POI-DEVELOPERS)

## 4. Version 2.5-FINAL (29 February 2004)

- Add support for the Escher file format(POI-DEVELOPERS)
- 27005 java.lang.IndexOutOfBoundsException during Workbook.cloneSheet()(POI-DEVELOPERS)

## 5. Version 2.0-FINAL (26 January 2004)

- No changes(POI-DEVELOPERS)

## 6. Version 2.0-RC2 (11 January 2004)

- Bug 25695 - HSSFCell.getStringCellValue() on cell which has string formula will return

- swap bye unicode characters.(POI-DEVELOPERS)
- Updated website for upcoming release(POI-DEVELOPERS)
- Formula Parser fixes with tests, by Peter M Murray Bug 25457(POI-DEVELOPERS)
- Fixed cloning merge regions(POI-DEVELOPERS)
- The cloned reference for merged cells did not create a new collection, so deletes cascaded to the original.(POI-DEVELOPERS)
- Fix to 24519 call to getCustomPalette() from a newly created workbook now works(POI-DEVELOPERS)
- Fix supplied for bug 24397 where some compilation got ambiguous classes. Explicitly imports the classes. Patch supplied by Jean-Pierre Paris.(POI-DEVELOPERS)

### 7. Version (2 November 2003)

- 12561 (Min) HSSFWorkbook throws Exceptions(POI-DEVELOPERS)
- 12730 (Nor) values dont get copied to another sheet.(POI-DEVELOPERS)
- 13224 (Maj) Exception thrown when cell has =Names call(POI-DEVELOPERS)
- 13796 (Nor) Error Reading Formula Record (optimized if, external link)(POI-DEVELOPERS)
- 13921 (Nor) Sheet name cannot exceed 31 characters and cannot contain :(POI-DEVELOPERS)
- 14330 (Nor) Error reading FormulaRecord(POI-DEVELOPERS)
- 14460 (Nor) Name in Formula - ArrayOutOfBounds(POI-DEVELOPERS)
- 15228 (Cri) [Urgent] ArrayIndexOutOfBoundsException. POI - Version 1.8(POI-DEVELOPERS)
- 16488 (Maj) Unable to open written spreadsheet in Excel, but can in Open(POI-DEVELOPERS)
- 16559 (Nor) testCustomPalette.xls crashes Excel 97(POI-DEVELOPERS)
- 16560 (Nor) testBoolErr.xls crashes Excel '97(POI-DEVELOPERS)
- 17374 (Min) HSSFFont - BOLDWEIGHT\_NORMAL(POI-DEVELOPERS)
- 18800 (Maj) The sheet made by HSSFWorkbook#cloneSheet() doesn't work cor(POI-DEVELOPERS)
- 18846 (Min) [PATCH][RFE]Refactor the transformation between byte array a(POI-DEVELOPERS)
- 19599 (Min) java.lang.IllegalArgumentException(POI-DEVELOPERS)
- 19961 (Nor) [PATCH] Sheet.getColumnWidth() returns wrong value(POI-DEVELOPERS)
- 21066 (Blo) Can not modify a blank spreadsheet(POI-DEVELOPERS)
- 21444 (Enh) [PATCH] Macro functions(POI-DEVELOPERS)
- 21447 (Nor) [RFE]String Formula Cells(POI-DEVELOPERS)
- 21674 (Enh) [PATCH] Documentation changes for @(>|<|<=|>=|<=|>=)EqualPt(POI-DEVELOPERS)

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- 21863 (Enh) [PATCH] build.xml fixes(POI-DEVELOPERS)
- 22195 (Nor) [RFE] [PATCH] Support for Storage Class ID(POI-DEVELOPERS)
- 22742 (Cri) Failed to create HSSFWorkbook!(POI-DEVELOPERS)
- 22922 (Cri) HSSFSheet.shiftRows() throws java.lang.IndexOutOfBoundsException(POI-DEVELOPERS)
- 22963 (Nor) org.apache.poi.hpsf.SummaryInformation.getEditTime() should(POI-DEVELOPERS)
- 24149 (Maj) Error passing inputStream to POIFSFileSystem(POI-DEVELOPERS)
- 21722 (Nor) [PATCH] Add a ProtectRecord to Sheets and give control over(POI-DEVELOPERS)
- 9576 (Nor) [PATCH] DBCELL, INDEX EXTSSST (was Access 97 import)(POI-DEVELOPERS)
- 13478 (Blo) [PATCH] [RFE] POIFS, RawDataBlock: Missing workaround for lo(POI-DEVELOPERS)
- 14824 (Nor) Unable to modify empty sheets(POI-DEVELOPERS)
- 12843 (Cri) [PATCH] Make POI handle chinese better(POI-DEVELOPERS)
- 15353 (Nor) [RFE] creating a cell with a hyperlink(POI-DEVELOPERS)
- 15375 (Blo) Post 1.5.1 POI causes spreadsheet to become unopenable.(POI-DEVELOPERS)

### 8. Version 2.0-pre3 (29 July 2003)

- HPSF is now able to read properties which are given in the property set stream but which don't have a value ("variant" type VT\_EMPTY). The getXXX() methods of the PropertySet class return null if their return type is a reference (like a string) or 0 if the return type is numeric. Details about the return types and about how to distinguish between a property value of zero and a property value that is not present can be found in the API documentation.(POI-DEVELOPERS)
- Gridlines can now be turned on and off(POI-DEVELOPERS)
- NamePTG refactoring/fixes(POI-DEVELOPERS)
- minor fixes to ExternSheet and formula strings(POI-DEVELOPERS)
- Sheet comparisons now ignore case(POI-DEVELOPERS)

### 9. Version 2.0-pre2 (6 July 2003)

- A nasty concurrency problem has been fixed. Any users working in a multithreaded environment should seriously consider upgrading to this release.(POI-DEVELOPERS)
- The EXTSSST record has been implemented. This record is used by excel for optimized reading of strings.(POI-DEVELOPERS)
- When rows are shifted, the merged regions now move with them. If a row contains 2 merged cells, the resulting shifted row should have those cells merged as well.(POI-DEVELOPERS)

- There were some issues when removing merged regions (specifically, removing all of them and then adding some more) and have been resolved.(POI-DEVELOPERS)
- When a sheet contained shared formulas (when a formula is dragged across greater than 6 cells), the clone would fail. We now support cloning of sheets that contain this Excel optimization. (POI-DEVELOPERS)
- Support added for reading formulas with UnaryPlus and UnaryMinus operators.(POI-DEVELOPERS)

#### **10. Version 2.0-pre1 (17 May 2003)**

- Patch applied for deep cloning of worksheets was provided(POI-DEVELOPERS)
- Patch applied to allow sheet reordering(POI-DEVELOPERS)
- Added additional print area setting methods using row/column numbers(POI-DEVELOPERS)
- HDF: Negative Array size fix(POI-DEVELOPERS)
- Added argument pointers to support the IF formula(POI-DEVELOPERS)
- Formulas: Added special character support for string literals, specifically for SUMIF formula support and addresses a bug as well(POI-DEVELOPERS)
- BlockingInputStream committed to help ensure reads(POI-DEVELOPERS)
- Fixed problem with NaN values differing from the investigated value from file reads in FormulaRecords(POI-DEVELOPERS)
- Patch for getColumnWidth in HSSF(POI-DEVELOPERS)
- Patch for dealing with mult-level numbered lists in HDF(POI-DEVELOPERS)
- Due to named reference work, several named-ranged bugs were closed(POI-DEVELOPERS)
- Patch applied to prevent sheet corruption after a template modification(POI-DEVELOPERS)
- Shared Formulas now Supported(POI-DEVELOPERS)
- Added GreaterEqual, LessEqual and NotEqual to Formula Parser(POI-DEVELOPERS)
- Added GreaterThan and LessThan functionality to formulas(POI-DEVELOPERS)
- Patches for i10n(POI-DEVELOPERS)
- POI Build System Updated(POI-DEVELOPERS)
- font names can now be null(POI-DEVELOPERS)

#### **11. Version 1.10-dev (19 Feb 2003)**

- Support for zoom level(POI-DEVELOPERS)
- Freeze and split pane support(POI-DEVELOPERS)
- Row and column headers on printouts(POI-DEVELOPERS)

#### **12. Version 1.8-dev (20 Sep 2002)**

- Custom Data Format Support(POI-DEVELOPERS)

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- Enhanced Unicode Support for Russian and Japanese(POI-DEVELOPERS)
- Enhanced formula support including read-only for "optimized if" statements.(POI-DEVELOPERS)
- Support for cloning objects(POI-DEVELOPERS)
- Fixes for header/footer(POI-DEVELOPERS)
- Spanish Documentation translations(POI-DEVELOPERS)
- Support for preserving VBA macros(POI-DEVELOPERS)

### 13. Version 1.7-dev (???)

- Removed runtime dependency on commons logging.(NKB)
- Formula support(POI-DEVELOPERS)

### 14. Version 1.5.1 (16 June 2002)

- Removed dependency on commons logging. Now define poi.logging system property to enable logging to standard out.(GJS)
- Fixed SST string handling so that spreadsheets with rich text or extended text will be read correctly.(GJS)

### 15. Version 1.5 (06 May 2002)

- New project build.(NKB)
- New project documentation system based on Cocoon.(NKB)
- Package rename(POI-DEVELOPERS)
- Various bug fixes(POI-DEVELOPERS)
- Early stages of HSF development (not ready for development)(POI-DEVELOPERS)
- Initial low level record support for charting (not complete)(POI-DEVELOPERS)

### 16. Version 1.1.0 (Release date not recorded)

- Created new event model(POI-DEVELOPERS)
- Optimizations made to HSSF including aggregate records for values, rows, etc.(POI-DEVELOPERS)
- predictive sizing, offset based writing (instead of lots of array copies)(POI-DEVELOPERS)
- minor re-factoring and bug fixes.(POI-DEVELOPERS)

### 17. Version 1.0.0 (Release date not recorded)

- Minor documentation updates.(POI-DEVELOPERS)

### 18. Version 0.14.0 (Release date not recorded)

- Added DataFormat helper class and exposed set and get format on

HSSFCellStyle(POI-DEVELOPERS)

- Fixed column width apis (unit wise) and various javadoc on the subject(POI-DEVELOPERS)
- Fix for Dimensions record (again)... (one of these days I'll write a unit test for this ;-p).(POI-DEVELOPERS)
- Some optimization on sheet creation.(POI-DEVELOPERS)

**19. Version 0.13.0 (Release date not recorded)**

- Changes not recorded.(POI-DEVELOPERS)

**20. Version 0.12.0 (Release date not recorded)**

- Added MulBlank, Blank, ColInfo(POI-DEVELOPERS)
- Added log4j facility and removed all sys.out type logging(POI-DEVELOPERS)
- Added support for adding font's, styles and corresponding high level api for styling cells(POI-DEVELOPERS)
- added support for changing row height, cell width and default row height/cell width.(POI-DEVELOPERS)
- Added fixes for internationalization (UTF-16 should work now from HSSFCell.setStringValue, etc when the encoding is set)(POI-DEVELOPERS)
- added support for adding/removing and naming sheets.(POI-DEVELOPERS)

**21. Version 0.11.0 (Release date not recorded)**

- Bugfix release. We were throwing an exception when reading RKRecord objects.(POI-DEVELOPERS)

**22. Version 0.10.0 (Release date not recorded)**

- Got continuation records to work (read/write)(POI-DEVELOPERS)
- Added various pre-support for formulas(POI-DEVELOPERS)
- Massive API reorganization, repackaging.(POI-DEVELOPERS)
- BiffViewer class added for validating HSSF & POI and/or HSSF Output.(POI-DEVELOPERS)
- Better API support for modification.(POI-DEVELOPERS)

**23. Version 0.7 (and interim releases) (Release date not recorded)**

- Added encoding flag to high and low level api to use utf-16 when needed (HSSFCell.setEncoding())(POI-DEVELOPERS)
- added read only support for Label records (which are reinterpreted as LabelSST when written)(POI-DEVELOPERS)
- Broken continuation record implementation (oops)(POI-DEVELOPERS)

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- BiffViewer class added for validating HSSF & POI and/or HSSF Output.(POI-DEVELOPERS)

### **24. Version 0.6 (release) (Release date not recorded)**

- Support for read/write and modify.(POI-DEVELOPERS)
- Read only support for MulRK records (converted to Number when writing) (POI-DEVELOPERS)