

# To Do

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## 1. To Do

The following functionalities should be added to HPFS:

1. Improve writing support! We need convenience classes and methods for easily writing summary information streams and document summary information streams.
2. Add resource bundles to `org.apache.poi.hpsf.wellknown` to ease localizations. This would be useful for mapping standard property IDs to localized strings. Example: The property ID 4 could be mapped to "Author" in English or "Verfasser" in German.
3. Implement reading functionality for those property types that are not yet supported. HPFSF should return proper Java types instead of just byte arrays.
4. Add WMF to `java.awt.Image` example code in the [Thumbnail HOW-TO](#).