

OPERA FM94-BUFR Encoding and Decoding Software

Release notes for Version 3.0

This release of the BUFR software includes the source code, BUFR tables, documentation and examples. Please note that the BUFR tables are a result of a different OPERA project. The local tables version 6 have not been released for operational use at the time this distribution was built, so be sure to check the OPERA home page for the final version before using this tables operationally.

What's new in this version:

- Partial restructuring of the source code to allow easier use as a library. Functions from the old `encbufr.c` and `decbufr.c` files are now available in the library. Also there are many new functions including run-length encoding and decoding of pixmaps from and to memory.
- Comprehensive source code documentation in pdf and html format, including a complete example for using the software as a library.
- Compatibility to BUFR edition 4.
- Full compatibility to local BUFR tables version 6 and pixmap file creation for all new products defined there.
- Includes a number of new examples which are compliant to the current OPERA BUFR guidelines.
- Correct handling of filenames starting with numbers.
- Correct encoding and decoding of associated fields.
- Reading and writing from/to special pixmap files only when using OPERA local tables.
- Performance improvements.
- It is released under the terms of the GNU Lesser General Public License.