EARTH EXPLORER MISSION CFI SOFTWARE

Release Notes – Version 3.7.6

This document describes the changes introduced in this release of the Earth Explorer Mission CFI Software. Visit us at http://eop-cfi.esa.int/index.php/mission-cfi-software/eocfi-software for more information.

1 USER SUPPORT

For any question related to the usage of the EOCFI or to report a problem, please contact:

EOCFI Software Support Team

e-mail: cfi@eopp.esa.int

2 NEW FEATURES

None.

3 SOLVED PROBLEMS

Ref./ EOCFI-ANR-	Description
0772	Corrected orbit initialization from CryoSat DORIS Navigation files
0793	Corrected the time conversion from XL_PROC to XL_ASCII_CCSDSA_COMPACT

DEPRECATION NOTE:
Please notice that Windows 64bit and MacOS 64bit are no longer supported by EXPCFI 3.7.6.

4   RELEASE DESCRIPTION

4.1 Software

Earth Explorer Mission CFI Software 3.7.6 is composed of the following libraries:

Library Name	Version	Issue Date
File Handling		
Data Handling		
Lib	3.7.6	28 May 2019
Orbit		
Pointing		
Visibility		

The above libraries are written in C and provides an API for C.

The libraries installation packages are available for download at the following URL (registration required):

http://eop-cfi.esa.int/index.php/mission-cfi-software/eocfi-software/branch-3-x/eocfi-v3x-download

4.2 Documentation

The following documents are available:

Type	Document Name	Version
General	Mission Conventions Document	
	General Software User Manual	
C API	Quick Start Guide	3.7.6
	File Handling Software User Manual	
	Data Handling Software User Manual	
	Lib Software User Manual	
	Orbit Software User Manual	
	Pointing Software User Manual	
	Visibility Software User Manual	

The documentation is available for download at the following URL:

http://eop-cfi.esa.int/index.php/mission-cfi-software/eocfi-software/branch-3-x/eocfi-v3x-documentation

More information on the Earth Explorer CFI Software can be found at the following URL:

http://eop-cfi.esa.int/index.php/mission-cfi-software/eocfi-software

4.3 Supported platforms

The following platforms are supported by this release of the CFI (the following are requirements for the **C API**):

Designation	Platform/ Architecture	Minimum Platform Requirements	Software Requirements
LINUX	Linux 32-bit	x86 based PC Linux Operating System (Kernel version 2.4.x)	GCC compiler version 3.4.x glibc (C Library) version 2.3.x, libxml2 v2.6.x
LINUX64	Linux 64-bit	x86_64 based PC Linux Operating System (Kernel version 2.6.x)	GCC compiler version 4.2.x glibc (C Library) version 2.7.x, libxml2 v2.7.x

DEPRECATION NOTE:
Please notice that Windows 64bit and MacOS 64bit are no longer supported by EXPCFI 3.7.6.

4.4 Distribution Packages

The Earth Explorer Mission CFI Software libraries are provided as Zip archives:

API	Package Name	MD5 Checksum
C	EOCFI-3.7.6-CLIB-LINUX.zip	b58216d58593a535a6a53180c2099b3f
C	EOCFI-3.7.6-CLIB-LINUX64.zip	9c74ef3b46743804eec415d57f525ffb

Information on how to get and use the supported DEM datasets can be found at the following URL:
http://eop-cfi.esa.int/index.php/mission-cfi-software/eocfi-software/support-files

4.5 Installation Hints

To install Earth Explorer Mission CFI Software libraries, simply extract the contents of the distribution package in the desired installation directory. More information on how to install and use the libraries can be found on:

- Section 6 "CFI LIBRARIES INSTALLATION" of the General SUM;
- Section 6 "LIBRARY USAGE" of each Library User Manual.

In order to be able to use the XML validation function in the explorer_data_handling library, it is necessary to install the xerces libraries and the SAX2Count binary. The PATH environment variable shall be pointing at the SAX2Count location.

5 KNOWN PROBLEMS

The updated list of known issues that will be resolved in a future release can be found at the following URL:

http://eop-cfi.esa.int/index.php/mission-cfi-software/eocfi-software/branch-3-x/known-issues-branch-3