

User Manual 3.3 Support

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Introduction

This section presents the support tools implemented in the PATRIUS Library.

Applicable and Reference Documents

Applicable Documents

[A1] *CDCF- Fonctions de Base du Patrimoine de Dynamique du Vol*, V1.2, SIRIUS-CF-DV-0049-CN, 2011.

[A2] *Dossier de réutilisation Orekit et Commons Math*, V1.0, SIRIUS-DLR-DV-0080-CN, 2010.

Reference Documents

[R1] *ISO 639-2 Langage Code List*, International Organization for Standardization, [ISO 639-2](#).

[R2] *ISO 3166 French Country Names and Code Elements*, International Organization for Standardization, [ISO 3166](#)

Glossary

None applicable.

Overview

The support tools of the PATRIUS library are based on some of the OREKIT packages. For instance, the data management system implemented in OREKIT (data package) covers the Software Requirements and could be enhanced in the future if necessary. The PATRIUS library offers facilities to create and manipulate intervals.

The following themes are discussed in this section:

- Errors management and internationalization

This chapter describes the errors management, which is a transverse topic to the base functions. General rules are explained.

- Data management system

This chapter is dedicated to the data management system, based on OREKIT library. The implemented tools allow the user to explore the configured data directory tree and to read external data (such as Earth orientation parameters, GRGS files...). This section explains how does the system work and how to use it.

- Intervals implementation

This chapter describes the intervals notion. The implementation in the PATRIUS library is generic, in order to meet the current and future needs. This section explains how to create intervals and how to use it.

Package List

The following tools are described here :

[User Manual 3.3 Data management system](#)

[User Manual 3.3 Errors management and internationalization](#)

Tutorials

[MU.SUP_tuto#HAccesauxdonnees Data management] [MU.SUP_tuto#HGestiondeserreurs Error management]

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