



# DELTA documentation

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## Contents

<b>The DELTA System</b> .....	1
Introduction.....	1
Users guides.....	1
Support and discussion .....	2
Revision history .....	2
Conditions of use .....	2
Ftp access.....	2
Other documentation.....	2
<b>Other DELTA programs</b> .....	3
<b>Other links</b> .....	3

## The DELTA System

### Introduction

For information on how to download, install and run the programs, see [Installing and running the programs of the DELTA System](#).

For a list of the available programs, and information on where to find the documentation of each program, see [Programs available in the DELTA System](#).

For the revision history, see [Revision history of the Delta System](#),

### Users guides

[Programs available in the DELTA System • PDF version](#). A complete list of all the programs available in the CSIRO DELTA System.

[User's guide to Intkey: a program for interactive identification and information retrieval • PDF version](#). Contains the same information as the app's built-in help.

[User's guide to the DELTA Editor • PDF version](#). This is recommended as an introduction to using the DELTA System.

[User's guide to the DELTA System: a general system for processing taxonomic descriptions • PDF version](#). Detailed descriptions of: the DELTA format; the format-conversion program Confor; the data-maintenance program Delfor (superseded by the DELTA Editor); the key-generation program Key; the distance-matrix program Dist; how to set up Intkey datasets for Web access; the image-annotation program Intimate (superseded by the DELTA Editor).

## Support and discussion

The [DELTA-L mailing list](#). DELTA-L is a mailing list for support of programs that use DELTA data, and for general discussion of descriptive databases. Topics include: computer programs for taxonomy, data formats, data interchange standards, data capture, data analysis, database design, description printing, expert systems, information retrieval, interactive identification, key making, mapping, and taxonomic characters.

## Revision history

[Revision history](#) • [PDF version](#)

## Conditions of use

[Conditions of use](#) • [PDF version](#)

## Ftp access

<ftp://delta-intkey.com/>

## Other documentation

[DELTA Intkey tutorial](#) (PDF) (Amanda Spooner and Alex Chapman)

[DELTA-L mailing list](#). The mailing-list archive contains many tips and examples.

[DELTA Primer](#) • [PDF version](#) (T.R. Partridge, M.J. Dallwitz and L. Watson). This document contains up-to-date information about entering and editing DELTA data via a text editor, and running the programs in a command window. It was written before the availability of the DELTA Editor, which is now the recommended method for entering and editing DELTA data.

[DELTA Standard](#) • [PDF version](#) (M.J. Dallwitz and T.A. Paine)

[Intkey example: differences](#) • [PDF version](#) (Mike Dallwitz)

[Intkey example: identification](#) • [PDF version](#) (Mike Dallwitz)

[Introdução ao sistema DELTA](#) (Mauro Cavalcanti). [Internet Archive](#): [maurobio.infobio.net/downloads/deltaman.pdf](http://maurobio.infobio.net/downloads/deltaman.pdf) (18 February 2009).

[Known bugs in the DELTA Editor](#) (Mike Dallwitz)

## Other DELTA programs

- DELIA.** Integrated DELTA database management for MS-Windows. [Internet Archive:](#) [www.dec.wa.gov.au/science-and-research/information-systems-research/delia.html](http://www.dec.wa.gov.au/science-and-research/information-systems-research/delia.html) (31 May 2009).  
See also ‘[Integration of taxonomic descriptive data across multiple database platforms and softwares \(Weed Information Network — a case study\)](#)’.
- DeltaAccess.** Storing and processing DELTA data in MS-Access.
- DIANA.** MS-Windows shell for running DELTA programs. [Internet Archive:](#) <http://maurobio.infobio.net/> (18 June 2010).
- Free DELTA.** An open-source system for processing taxonomic descriptions. Includes C++ classes for manipulating DELTA files.
- Open DELTA.** A port of the CSIRO DELTA System by The Atlas of Living Australia (ALA). It runs under Windows or Mac OS X.
- PANDORA.** Database system for taxonomic and biodiversity research projects. See also [Internet Archive:](#) [www.rbge.org.uk/research/pandora.home](http://www.rbge.org.uk/research/pandora.home).
- PANKEY.** Description writing, key-generation, and identification programs for MS-DOS.
- TAXASOFT.** Open-source editor for DELTA and DeltaXML.
- WebDelta.** Perl program for Web entry of DELTA item descriptions. [Internet Archive:](#) [irisbioc.bio.unipr.it/webdelta/webdelta.html](http://irisbioc.bio.unipr.it/webdelta/webdelta.html)

See also [Programs for interactive identification and information retrieval](#).

## Other links

[Data – descriptions, illustrations, interactive identification, and information retrieval from DELTA databases](#)

[DELTA Newsletter archive.](#) The DELTA Newsletter was published from February 1988 to April 1996. It was intended to promote communication among scientists developing and applying computer technology in the collection, storage, analysis, and presentation of descriptive taxonomic data. It was not restricted to software or applications supporting or implementing the DELTA Standard. Topics included: computer programs for taxonomy, data formats, data interchange standards, data capture, data analysis, database design, description printing, expert systems, information retrieval, interactive identification, key making, mapping systems and taxonomic characters.

[Digital Taxonomy.](#) An information resource on biodiversity data management. [Internet Archive:](#) [digitaltaxonomy.infobio.net](http://digitaltaxonomy.infobio.net) (26 Jan 2009).

[Methodology of interactive keys and descriptive databases](#)

[Programs for interactive identification and information retrieval](#)

[References.](#) Applications and documentation of the DELTA System.