Preliminary

OOEDIFF

Open Orienteering Event Data Interchange File Format
Revision 0.9
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Preliminary

Produced by

***e*Time Development Team**

Västerås
SWEDEN

For a copy of this specification, Email jan.o.bergman@swipnet.se

If you have questions about the contents of this specification, see page 3

Contents

Introduction

About this Specification

This document describes OOEDIFF, a tag-based file format for storing and interchanging orienteering event data.

History

This is the first public version of the OOEDIFF specification. This is preliminary information. The specifications are subject to change without notice. Before you finalize your design, please ensure that you have the most current revision of the specification.

Scope/Purpose

Provide a standard interchange independent of operating system or programming language for orienteering data that will permit easy and direct transfer of data conforming to the standard between various programs. A primary goal of OOEDIFF is to provide a rich environment within which applications can exchange data. Though OOEDIFF is a rich format, it can easily be used for simple applications as well. OOEDIFF will be enhanced on a continuing basis as new needs arise. A high priority has been given to structuring OOEDIFF so those future enhancements can be added without causing unnecessary hardship to developers.

Features

- OOEDIFF is portable. It does not favor particular operating systems, file systems, compilers, or processors.
- OOEDIFF is designed to be extensible—to evolve gracefully as new needs arise.
- OOEDIFF is easily programmed in any language.
- OOEDIFF data itself is easily read by eye.

Compatibility

The goal is that OOEDIFF files should never become obsolete and that OOEDIFF software should not have to be revised more frequently than absolutely necessary.

OOEDIFF Administration

Information

The most recent version of the OOEDIFF specification is available in PDF format on the WWW. See the cover page of the specification for the required addresses. OOEDIFF developers are encouraged to study sample OOEDIFF files, read OOEDIFF documentation thoroughly, and work with developers of other products that are important to you.

Private Fields and Values

An organization might wish to store information meaningful to only that organization in a OOEDIFF file. Tags starting with “Y”, sometimes called private tags, are reserved for that purpose. Upon request, the OOEDIFF administrator will allocate and register one or more private tags for an organization, to avoid possible conflicts with other organizations. You do not need to tell the OOEDIFF administrator what you plan to use them for, but giving us this information may help other developers to avoid some duplication of effort. We will make the tag database public. Tags allocated in the private number range are not prohibited from being included in a future revision of this specification. Do not choose your own tag numbers. Doing so could cause serious compatibility problems in the future. However, if there is little or no chance that your OOEDIFF files will escape your private environment, please consider using OOEDIFF tags in the “reusable” range starting with “Z”. You do not need to contact the OOEDIFF administrator when using numbers in this range. Creators of OOEDIFF files are encouraged to cooperate when adding new fields to gain maximum benefit from OOEDIFF.

Submitting a Proposal

Any person or group that wants to propose a change or addition to the OOEDIFF specification should prepare a proposal that includes the following information:

- Name of the person or group making the request, and your affiliation.
- The reason for the request.
- A list of changes exactly as you propose that they should appear in the specification. Use inserts, callouts, or other obvious editorial techniques to indicate areas of change, and number each change.
- Discussion of the potential impact on the installed base.

Please send your proposal to the OOEDIFF administrator at
Internet address: jan.o.bergman@swipnet.se

Warning: It is possible that other OOEDIFF field types will be added in the future.
Readers should skip over fields containing an unexpected field type.

Extensions and Filetypes

The recommended file extension for OOEDIFF files is ".OED".

Usage of OOEDIFF

In order to maintain the integrity of OOEDIFF and public confidence therein, these guidelines must be followed by anyone wishing to support OOEDIFF.

OOEDIFF may be freely used by any individual or organization, non-profit or commercial. Anyone claiming "OOEDIFF compatibility" or "OOEDIFF support", or other language with similar meaning, must be able to import and export OOEDIFF data.

Writing a software package that imports OOEDIFF but cannot export OOEDIFF is not within keeping of the spirit and intent of OOEDIFF. Such a package cannot truthfully claim to be OOEDIFF compatible or to support OOEDIFF. Authors of programs that only import must state that they support "OOEDIFF import compatibility" or "OOEDIFF import support", or language with similar meaning.

Packages that export and import OOEDIFF may state that they support "OOEDIFF import and export" or a similar phrase. However, any claims of OOEDIFF support without any qualifiers shall mean that the program imports and exports.

Export programs shall be written in good faith so that the data will be of maximum usefulness to the user of the data. Products that export data in such a manner that its usefulness is limited, for example by exporting only a few fields or using non-standard formats or names for fields, cannot claim OOEDIFF compatibility. Export programs should include all data in the file to be exported. If an author has fields that are not in the field list of the OOEDIFF specification, he may export the fields using a private or reusable field name.

File structure and data types

In general the OOEDIFF file is a simple sequential ASCII file where each line is a record. A prefix at the beginning of each line identifies the record type, which allows programs and people to interpret the remaining data on the line.

General File Design

ASCII characters

The file contain only printable ASCII characters from SPACE through tilde (~), horizontal tab and NEWLINE.

Record separator

A NEWLINE marks the end of a record and is not part of the record.

White space

White space is one or more space and/or horizontal tabs.

Case sensitivity

The file is case sensitive.

Records

All data for a record fit on one line in a file. No records continue past a NEWLINE, nor is there an escape sequence for a NEWLINE.

Record Prefix

A record prefix occupies the first five (5) character positions of each record. The prefix is unique for each record type.

Comment

An exclamation mark (!) in the first position of a line marks the whole line as a comment and processing ignores the content of the line.

Fields separator

White space is the only field separator.

Empty record

Processing ignores empty or BLANK lines.

Empty field

Two quotes (“”) marks an empty field.

Record order

Record may appear in any order in the file. Interpreting the records must not depend on preceding and following records.

Definition of Data Types

String

Strings can contain any printable ASCII character except NEWLINE and is delimited by quotation marks (“...”). Strings can not continue over several lines. To include the quotation marks in the string use two qoutation marks (“”).

Examples: “normal string” ===> normal string
“string”” ===> string”

“””string””” ===> “string
“str””ing” ===> str”ing
“simplestring” ===> simplestring

Integer Number (Int)

Integers are numerals with no decimal point.
Examples: 1234
54

Floating Point Number (Float)

Floating point numbers are specified in any of the customary floating point formats,
The decimal separator is dot (.).

Examples: 12345
12345.67
.23E-10
0.12

Date

Date separator is hyphen (-). The date separator separates the day, month, and year when date values are formatted. The date format is yyyy-mm-dd where yyyy is the year as a 4-digit number with a leading zero (0100-9999). mm is the month as a number with a leading zero (01-12). dd is the day as a number with a leading zero (01-31).

Examples: 1998-10-01
2000-01-24

Time

Time separator is colon (:). The time separator separates hours, minutes, and seconds when time values are formatted. The time format is hh:mm:ss where hh is the hour as a integer number with a leading zero (00-23). mm is the minute as a integer number with a leading zero (00-59). ss is the second as a floating point number with a leading zero (00-59.999).
Examples: 23:01:12
00:12:02
13:56:12.56

DateTime

DateTime is a combination of Date and Time. The format is a Date and a Time separated with a SPACE and delimited by quotation marks. (“yyyy-mm-dd hh:mm:ss”)

Examples: “1998-10-01 23:01:12”
“2000-10-24 13:56:12.56”

Record Key

Record keys are used to link data from several records together. Record keys are local within a file. Record keys are represented as positive integer numbers.
Examples: 1234
54

Boolean

Boolean variables can only be True or False Use the keywords #TRUE# or #FALSE# to assign one of the two states to Boolean variables.
Examples: #TRUE#
#FALSE#

Record definition

Prefix groups

A record prefix occupies the first five (5) character positions of each record. The prefix is unique for each record type. The following table lists the record prefix groups.

Prefix	Description
Pnnnn	Competitor data definitions
CLBnn	Club data definitions
CLSnn	Class data definitions
CRSnn	Course data definitions
CNTnn	Control descriptions
Ennnn	Event data definitions
Snnnn	General Definitions (Setup)
Ynnnn	Private tags
Znnnn	Reusable (local) tags

Prefix definitions

The following table lists the prefix definitions in short form.

Prefix	Definition
PN001	CompetitorKey FullName [Record key] [String]
PN002	CompetitorKey FirstName [Record key] [String]
PN003	CompetitorKey LastName [Record key] [String]
PN004	CompetitorKey ClubID [Record key] [String]
PN005	CompetitorKey BirthYear [Record key] [Integer]
PN100	CompetitorKey EventID ClassID [Record key] [String] [String]
PN101	CompetitorKey EventID CourseID [Record key] [String] [String]
PN102	CompetitorKey EventID StartTime [Record key] [String] [DateTime]
PN103	CompetitorKey EventID ActualStartTime [Record key] [String] [DateTime]
PN104	CompetitorKey EventID BibNumber [Record key] [String] [String]
PN105	CompetitorKey EventID EntryInClass [Record key] [String] [String]
PN106	CompetitorKey EventID FinishTime [Record key] [String] [DateTime]
PN107	CompetitorKey EventID EcardID [Record key] [String] [String]
PN108	CompetitorKey EventID RawSplitTimes [Record key] [String] [Integer] .... [Integer]
PN109	CompetitorKey EventID RawEcontrolIDs [Record key] [String] [String] .... [String]
PN110	CompetitorKey EventID OfficialSplitTimes [Record key] [String] [Integer] .... [Integer]
PN111	CompetitorKey EventID OfficialResult [Record key] [String] [String]
PN112	CompetitorKey EventID OfficialTime [Record key] [String] [Time]
CLB01	ClubKey ClubID [Record key] [String]
CLB02	ClubKey Name [Record key] [String]
CLB03	ClubKey Address [Record key] [String]
CLB04	ClubKey Zip [Record key] [String]
CLB05	ClubKey City [Record key] [String]
CLB06	ClubKey Phone [Record key] [String]
CLB07	ClubKey Fax [Record key] [String]
CLB08	ClubKey Email [Record key] [String]
CLB09	ClubKey EntryRespName [Record key] [String]
CLB10	ClubKey EntryRespAddress [Record key] [String]
CLB11	ClubKey EntryRespZip [Record key] [String]
CLB12	ClubKey EntryRespCity [Record key] [String]
CLB13	ClubKey EntryRespPhone [Record key] [String]
CLB14	ClubKey EntryRespFax [Record key] [String]
CLB15	ClubKey EntryRespEmail [Record key] [String]
CLB16	ClubKey ResultRespName [Record key] [String]
CLB17	ClubKey ResultRespAddress [Record key] [String]
CLB18	ClubKey ResultRespZip [Record key] [String]
CLB19	ClubKey ResultRespCity [Record key] [String]
CLB20	ClubKey ResultRespPhone [Record key] [String]
CLB21	ClubKey ResultRespFax [Record key] [String]
CLB22	ClubKey ResultRespEmail [Record key] [String]

E0001 EventKey Name [Record key] [String]
E0002 EventKey Organizer [Record key] [String]
E0003 EventKey Date [Record key] [Date]
E0004 EventKey EventID [Record key] [String]
E0005 EventKey Type [Record key] [String]
E0006 EventKey Form [Record key] [String]
E0007 EventKey EntryClass [Record key] [String]
E0008 EventKey ActualClass [Record key] [String]
CLS01 ClassKey ClassID [Record key] [String]
CLS02 ClassKey Name [Record key] [String]
CLS03 ClassKey EntryFee [Record key] [Float] [String]
CLS04 ClassKey FirstStartTime [Record key] [DateTime]
CLS05 ClassKey CourseID [Record key] [String]
CLS06 ClassKey Male FromAge ToAge Female FromAge ToAge
[Record key] [Boolean] [Integer] [Integer] [Boolean] [Integer] [Integer]
CNT01 ControlKey ControlID [Record key] [String]
CNT02 ControlKey ControlCode [Record key] [String]
CNT03 ControlKey EcontrolID1, EcontrolID2,....., EcontrolIDn
[Record key] [String] ... [String]
CNT04 ControlKey DescriptionColumn3 [Record key] [String]
CNT05 ControlKey DescriptionColumn4 [Record key] [String]
CNT06 ControlKey DescriptionColumn5 [Record key] [String]
CNT07 ControlKey DescriptionColumn6 [Record key] [String]
CNT08 ControlKey DescriptionColumn7 [Record key] [String]
CNT09 ControlKey DescriptionColumn8 [Record key] [String]
CNT10 ControlKey StartID [Record key] [String]
CNT11 ControlKey EStartID1, EStartID2,....., EStartIDn [Record key] [String] ... [String]
CNT12 ControlKey StartDescription [Record key] [String]
CNT13 ControlKey StartDistance [Record key] [Float]
CNT14 ControlKey FinishID [Record key] [String]
CNT15 ControlKey EFinishID1, EFinishID2,....., EFinishIDn
[Record key] [String] ... [String]
CNT16 ControlKey FinishDescription [Record key] [String]
CNT17 ControlKey FinishDistance [Record key] [String]
CNT18 ControlKey MarkedRouteID [Record key] [String]
CNT19 ControlKey MarkedRouteDescription [Record key] [String]
CNT20 ControlKey MarkedRouteDistance [Record key] [String]
CRS01 CourseKey CourseID [Record key] [String]
CRS02 CourseKey CourseName [Record key] [String]
CRS03 CourseKey CourseLength [Record key] [String]
CRS04 CourseKey CourseLevel [Record key] [String]
CRS05 CourseKey CourseClimb [Record key] [Float]
CRS06 CourseKey StartID [Record key] [String]
CRS07 CourseKey FinishID [Record key] [String]
CRS08 CourseKey ControlID1, ControlID2, ..., ControlIDN
[Record key] [String] ... [String]]
CRS09 CourseKey LegLength1, LegLength2, ..., LegLengthN
[Record key] [Float] ... [Float]
CRS10 CourseKey LegNumber MarkedRouteID [Record key] [Integer] [String]

Competitor data definitions

Competitor FullName

Description: Defines a competitor name.
Syntax: PN001 CompetitorKey FullName
Types: CompetitorKey:Record key FullName:String
PN001 1265 “Jan Bergman”

Competitor FirstName

Description: Defines the competitors first name.
Syntax: PN002 CompetitorKey FirstName
Types: CompetitorKey:Record key FirstName:String
PN002 1265 “Jan”

Competitor LastName

Description: Defines the competitors last name.
Syntax: PN003 CompetitorKey LastName
Types: CompetitorKey:Record key LastName:String
PN003 1265 “Bergman”

Competitor ClubID

Description: Defines the competitors club ID. This ID will link to other data about the club.
Syntax: PN004 CompetitorKey ClubID
Types: CompetitorKey:Record key ClubID:String
PN004 1265 “VSOK”

Competitor BirthYear

Description: Defines the year when the competitor was born.
Syntax: PN005 CompetitorKey BirthYear
Types: CompetitorKey:Record key BirthYear:Integer
PN005 1265 1960

Competitor EventID ClassID

Description: Defines the competitors class ID at the event defined by EventID. This ID will link to other data about the event and class.
Syntax: PN100 CompetitorKey EventID ClassID
Types: CompetitorKey:Record key EventID:String ClassID:String
PN100 1265 “STAGE1” “H35”

Competitor EventID CourseID

Description: Defines the competitors course ID at the event defined by EventID. This ID will link to other data about the event and course.
Syntax: PN101 CompetitorKey EventID CourseID
Types: CompetitorKey:Record key EventID:String CourseID:String
PN101 1265 “STAGE1” “BANA117”

Competitor EventID StartTime

Description: Defines the competitors start time at the event defined by EventID.
Syntax: PN102 CompetitorKey EventID StartTime
Types: CompetitorKey:Record key EventID:String StartTime:DateTime
PN102 1265 “STAGE1” “1998-10-13 18:01:00”

Competitor EventID ActualStartTime

Description: Defines the competitors actual start time (when he/she leaves the start gate) at the event defined by EventID.
Syntax: PN103 CompetitorKey EventID StartTime
Types: CompetitorKey:Record key EventID:String StartTime:DateTime
PN103 1265 “STAGE1” “1998-10-13 18:01:01”

Competitor EventID BibNumber

Description: Defines the competitors bib number at the event defined by EventID.
Syntax: PN104 CompetitorKey EventID BibNumber
Types: CompetitorKey:Record key EventID:String BibNumber:String
PN104 1265 “STAGE1” “102”

Competitor EventID EntryInClass

Description: Defines the class in which the competitor was first entered in at the event defined by EventID.
Syntax: PN105 CompetitorKey EventID EntryInClass
Types: CompetitorKey:Record key EventID:String EntryInClass:String
PN105 1265 “STAGE1” “H35”

Competitor EventID FinishTime

Description: Defines the time when the competitor crossed the finish line at the event defined by EventID.
Syntax: PN106 CompetitorKey EventID FinishTime
Types: CompetitorKey:Record key EventID:String FinishTime:DateTime
PN106 1265 “STAGE1” “1998-10-13 19:10:09.25”

Competitor EventID EcardID

Description: Defines the ID of the competitors Ecard at the event defined by EventID.
Syntax: PN107 CompetitorKey EventID EcardID
Types: CompetitorKey:Record key EventID:String EcardID:String
PN107 1265 “STAGE1” “24AE65C09”

Competitor EventID RawSplitTimes

Description: Lists the competitors split times as read from the Ecard at the event defined by EventID. The split times must be in seconds starting from zero. The zero time shall be at ActualStartTime
Syntax: PN108 CompetitorKey EventID RawSplitTime1 RawSplitTime2 ....
Types: CompetitorKey:Record key EventID:String RawSplitTime:Float
PN108 1265 “STAGE1” 120 345.2 564.1 800 2400 4138 4148.25

Competitor EventID RawEcontrolIDs

Description: Lists the competitors Econtrol IDs as read from the Ecard or punch card at the event defined by EventID.
Syntax: PN109 CompetitorKey EventID RawEcontrolID1 RawEcontrolID2 ....
Types: CompetitorKey:Record key EventID:String RawSplitTime:String
PN109 1265 “STAGE1” “31” “34” “64” “80” “240” “41” “48”

Competitor EventID OfficialSplitTimes

Description: Lists the competitors split times as defined after comparing RawEcontrolIDs with actual EcontrolIDs in the course at the event defined by EventID. The split times must be in seconds starting from zero. The zero time shall be at ActualStartTime. The number of split times shall be equal to the number of controls on the runners course. Missing split times shall be defined with –1.
Syntax: PN110 CompetitorKey EventID OfficialSplitTime1 OfficialSplitTime2 ..
Types: CompetitorKey:Record key EventID:String OfficialSplitTime:int
PN110 1265 “STAGE1” 120 345.2 564.1 800 2400 4138 4148.25
PN110 1309 “STAGE1” 34 -1 67 78 96 120 2457.2

Competitor EventID OfficialResult

Description: Defines the official result for the competitor at the event defined by EventID.
Syntax: PN111 CompetitorKey EventID OfficialResult
Types: CompetitorKey:Record key EventID:String OfficialResult:String

PN111 1265 “STAGE1” “1”
PN111 1345 “STAGE1” “2”
PN111 1549 “STAGE1” “3”

Competitor Competitor EventID OfficialTime

Description: Defines the official time for the competitor at the event defined by EventID.
Syntax: PN112 CompetitorKey EventID OfficialTime
Types: CompetitorKey:Record key EventID:String OfficialTime:Time
PN112 1265 “STAGE1” “01:09:08.25”

Club data definitions

Club ClubID

Description: Defines an ID for the club. Used as a link between data records.
Syntax: CLB01 ClubKey ClubID
Types: ClubKey:Record key ClubID:String
CLB01 1265 “VSOK”

Club Name

Description: Defines the name of the club.
Syntax: CLB02 ClubKey Name
Types: ClubKey:Record key Name:String
CLB02 1265 “Västerås SOK”

Club Address

Description: Defines the club address.
Syntax: CLB03 ClubKey Address
Types: ClubKey:Record key Address:String
CLB03 1265 “OL Way 1”

Club ZIP

Description: Defines the club address ZIP code.
Syntax: CLB04 ClubKey ZIP
Types: ClubKey:Record key ZIP:String
CLB04 1265 “SE-72100”

Club City

Description: Defines the clubs home city.
Syntax: CLB05 ClubKey City
Types: ClubKey:Record key City:String
CLB05 1265 “Västerås”

Club Phone

Description: Defines the clubs phone number.
Syntax: CLB06 ClubKey Phone
Types: ClubKey:Record key Phone:String
CLB06 1265 “021-111213”

Club Fax

Description: Defines the clubs fax number.
Syntax: CLB07 ClubKey Fax
Types: ClubKey:Record key Fax:String
CLB07 1265 “021-111213”

Club Email

Description: Defines the clubs Email address.
Syntax: CLB08 ClubKey Email
Types: ClubKey:Record key Email:String
CLB08 1265 “info@vsok.rec”

Club EntryRespName

Description: Defines the name of the person in the club responsible for entries.
Syntax: CLB09 ClubKey EntryRespName
Types: ClubKey:Record key: EntryRespName:String
CLB09 1265 “Verner Stone”

Club EntryRespAddress

Description: Defines the address of the person in the club responsible for entries.
Syntax: CLB10 ClubKey EntryRespAddress
Types: ClubKey:Record key EntryRespAddress:String
CLB10 1265 “OL Way 1”

Club EntryRespZIP

Description: Defines the zip code of the person in the club responsible for entries.
Syntax: CLB11 ClubKey EntryRespZIP
Types: ClubKey:Record key EntryRespZIP:String
CLB11 1265 “SE-72100”

Club EntryRespCity

Description: Defines the city of the person in the club responsible for entries.
Syntax: CLB12 ClubKey EntryRespCity
Types: ClubKey:Record key EntryRespCity:String
CLB12 1265 “Västerås”

Club EntryRespPhone

Description: Defines the phone number to the person in the club responsible for entries.
Syntax: CLB13 ClubKey EntryRespPhone
Types: ClubKey:Record key EntryRespPhone:String
CLB13 1265 “021-111213”

Club EntryRespFax

Description: Defines the fax number to the person in the club responsible for entries.
Syntax: CLB14 ClubKey EntryRespFax
Types: ClubKey:Record key EntryRespFax:String
CLB14 1265 “021-111213”

Club EntryRespEmail

Description: Defines the Email address to the person in the club responsible for entries.
Syntax: CLB15 ClubKey EntryRespEmail
Types: ClubKey:Record key EntryRespEmail:String
CLB15 1265 “verner.stone@vsok.rec”

Club ResultRespName

Description: Defines the name of the person in the club responsible for results.
Syntax: CLB16 ClubKey ResultRespName
Types: ClubKey:Record key: ResultRespName:String
CLB16 1265 “Verner Stone”

Club ResultRespAddress

Description: Defines the address of the person in the club responsible for results.
Syntax: CLB17 ClubKey ResultRespAddress
Types: ClubKey:Record key ResultRespAddress:String
CLB17 1265 “OL Way 1”

Club ResultRespZIP

Description: Defines the zip code of the person in the club responsible for results.
Syntax: CLB18 ClubKey ResultRespZIP
Types: ClubKey:Record key ResultRespZIP:String
CLB18 1265 “SE-72100”

Club ResultRespCity

Description: Defines the city of the person in the club responsible for results.
Syntax: CLB19 ClubKey ResultRespCity
Types: ClubKey:Record key ResultRespCity:String
CLB19 1265 “Västerås”

Club ResultRespPhone

Description: Defines the phone number to the person in the club responsible for results.
Syntax: CLB20 ClubKey ResultRespPhone
Types: ClubKey:Record key ResultRespPhone:String
CLB20 1265 “021-111213”

Club ResultRespFax

Description: Defines the fax number to the person in the club responsible for results.
Syntax: CLB21 ClubKey ResultRespFax
Types: ClubKey:Record key ResultRespFax:String
CLB21 1265 “021-111213”

Club ResultRespEmail

Description: Defines the Email address to the person in the club responsible for results.
Syntax: CLB22 ClubKey ResultRespEmail
Types: ClubKey:Record key ResultRespEmail:String
CLB22 1265 “verner.stone@vsok.rec”

Event data definitions

Event Name

Description: Defines the name of the event.
Syntax: E0001 EventKey Name
Types: EventKey:Record key Name:String
E0001 1265 “Aros Elite Meeting”

Event Organizer

Description: Defines the name of the event organizer.
Syntax: E0002 EventKey Organizer
Types: EventKey:Record key Organizer:String
E0002 1265 “Västerås SOK”

Event Date

Description: Defines the date of the event.
Syntax: E0003 EventKey Date
Types: EventKey:Record key Date:String
E0003 1265 “1999-08-01”

Event EventID

Description: Defines an ID for the event. Used as a link between data records.
Syntax: E0004 EventKey EventID
Types: EventKey:Record key EventID:String
E0004 1265 “AEM”

Event Type

Description: Defines the type of the event.
Syntax: E0005 EventKey Type
Types: EventKey:Record key Type:String
E0005 1265 “Night”

Event Form

Description: Defines the form of the event.
Syntax: E0006 EventKey Form
Types: EventKey:Record key Form:String
E0006 1265 “Relay”

Event EntryClass

Description: Defines all classes available for entry in the event.
Syntax: E0007 EventKey EntryClass1 EntryClass2 .... EntryClassN
Types: EventKey:Record key EntryClass:String
E0007 1265 “H21E” “D21E” “H20E” “D20E”

Event ActualClass

Description: Defines all classes at the event.
Syntax: E0008 EventKey ActualClass1 ActualClass2 .... ActualClassN
Types: EventKey:Record key ActualClass:String
E0008 1265 “H21E-1” “ H21E-2” “D21E” “H20E” “D20E”

Class data definitions

Class ClassID

Description: Defines an ID for the class. Used as a link between data records.
Syntax: CLS01 ClassKey ClassID
Types: ClassKey:Record key ClassID:String
CLS01 1265 “H21”

Class Name

Description: Defines the class name.
Syntax: CLS02 ClassKey Name
Types: ClassKey:Record key Name:String
CLS02 1265 “H21”

Class EntryFee

Description: Defines the entry fee for the class.
Syntax: CLS03 ClassKey EntryFee Currency
Types: ClassKey:Record key EntryFee:Float Currency:String
CLS03 1265 90.00 “SEK”

Class FirstStartTime

Description: Defines the time when the first person in the class is to be started.
Syntax: CLS04 ClassKey FirstStartTime
Types: ClassKey:Record key FirstStartTime:DateTime
CLS04 1265 “1999-10-10 10:01:00”

Class CourseID

Description: Used to link the class to a course.
Syntax: CLS05 ClassKey CourseID
Types: ClassKey:Record key CourseID:String
CLS05 1265 “Bana A”

Class Participants

Description: Defines which participants who is allowed to enter the class.
Syntax: CLS06 ClassKey Male FromAge ToAge Female FromAge ToAge
Types: ClassKey:Record key Male:Boolean FromAge:Integer ToAge:Integer
Female:Boolean FromAge:Integer ToAge:Integer
! Class H16
CLS06 1265 #TRUE# 0 16 #FALSE# 0 100
!Class D50
CLS06 1277 #FALSE# 0 100 #TRUE# 50 100

Control descriptions

Control ControlID

Description: Defines an ID for the control. Used as a link between data records.

Syntax: CNT01 ControlKey ControlID
Types: ControlKey :Record key ControlID:String
CNT01 1265 “100”

Control ControlCode

Description: Defines the control code for the control. Normally found in column 2 of the control description sheet.
Syntax: CNT02 ControlKey ControlCode
Types: ControlKey :Record key ControlCode:String
CNT02 1265 “100”

Control EControlID

Description: Defines the Econtrol or punch code(s) for the control.
Syntax: CNT03 ControlKey EcontrolID1 EcontrolID1 .... EcontrolIDN
Types: ControlKey :Record key EcontrolID:String
CNT03 1265 “100” “101” “102” “103”

Control DescriptionColumn3

Description: Defines the figure found in column 3 of the control description sheet.
Syntax: CNT04 ControlKey DescriptionColumn3
Types: ControlKey :Record key DescriptionColumn3:Enum
CNT04 1265 -*To be defined* -

Control DescriptionColumn4

Description: Defines the figure found in column 4 of the control description sheet.
Syntax: CNT05 ControlKey DescriptionColumn4
Types: ControlKey :Record key DescriptionColumn4:Enum
CNT05 1265 -*To be defined* -

Control DescriptionColumn5

Description: Defines the figure found in column 5 of the control description sheet.
Syntax: CNT06 ControlKey DescriptionColumn5
Types: ControlKey :Record key DescriptionColumn5:Enum
CNT06 1265 -*To be defined* -

Control DescriptionColumn6

Description: Defines the figure found in column 6 of the control description sheet.
Syntax: CNT07 ControlKey DescriptionColumn6
Types: ControlKey :Record key DescriptionColumn6:Enum
CNT07 1265 -*To be defined* -

Control DescriptionColumn7

Description: Defines the figure found in column 7 of the control description sheet.
Syntax: CNT08 ControlKey DescriptionColumn7
Types: ControlKey :Record key DescriptionColumn7:Enum
CNT08 1265 -*To be defined* -

Control DescriptionColumn8

Description: Defines the figure found in column 8 of the control description sheet.
Syntax: CNT09 ControlKey DescriptionColumn8

Types: ControlKey :Record key DescriptionColumn8:Enum
CNT09 1265 -*To be defined* -

Control StartID

Description: Defines an ID for the start. Used as a link between data records.
Syntax: CNT10 ControlKey StartID
Types: ControlKey :Record key StartID:String
CNT10 1265 "S1"

Control EStartID

Description: Defines the Econtrol or punch code(s) for the start.
Syntax: CNT11 ControlKey EstartID1 EstartID2 .... EStartIDN
Types: ControlKey :Record key EstartID:String
CNT11 1265 "100" "101" "102" "103"

Control StartDescription

Description: Defines the figure found in start row of the control description sheet.
Syntax: CNT12 ControlKey StartDescription
Types: ControlKey :Record key StartDescription:Enum
CNT12 1265 -*To be defined* -

Control StartDistance

Description: Defines the length from the start gate to the start point in meters.
Syntax: CNT13 ControlKey StartDistance
Types: ControlKey :Record key StartDistance:Float
CNT13 1265 120.0

Control FinishID

Description: Defines an ID for the finish. Used as a link between data records.
Syntax: CNT14 ControlKey FinishID
Types: ControlKey :Record key FinishID:String
CNT14 1265 "M1"

Control EFinishID

Description: Defines the Econtrol or punch code(s) for the finish.
Syntax: CNT15 ControlKey EFinishID1 EfinishID2 .... EfinishIDN
Types: ControlKey :Record key EFinishID:String
CNT15 1265 "100" "101" "102" "103"

Control FinishDescription

Description: Defines the figure found in finish row of the control description sheet.
Syntax: CNT16 ControlKey FinishDescription
Types: ControlKey :Record key FinishDescription:Enum
CNT16 1265 -*To be defined* -

Control FinishDistance

Description: Defines the length from the last control to the finish line in meters.
Syntax: CNT17 ControlKey FinishDistance
Types: ControlKey :Record key FinishDistance:Float
CNT17 1265 120.0

Control MarkedRouteID

Description: Defines an ID for a marked route. Used as a link between data records.
Syntax: CNT18 ControlKey MarkedRouteID
Types: ControlKey :Record key MarkedRouteID:String
CNT18 1265 “MR1”

Control MarkedRouteDescription

Description: Defines the figure found in a marked route row in the control description sheet.
Syntax: CNT19 ControlKey MarkedRouteDescription
Types: ControlKey :Record key MarkedRouteDescription:Enum
CNT19 1265 *-To be defined -*

Control MarkedRouteDistance

Description: Defines the length of a marked route.
Syntax: CNT20 ControlKey MarkedRouteDistance
Types: ControlKey :Record key MarkedRouteDistance:Float
CNT20 1265 120.0

Course data definitions

Course CourseID

Description: Defines an ID for a course. Used as a link between data records.
Syntax: CRS01 CourseKey CourseID
Types: CourseKey:Record key CourseID:String
CRS01 1265 “C1A”

Course CourseName

Description: Defines the name for a course.
Syntax: CRS02 CourseKey CourseName
Types: CourseKey:Record key CourseName:String
CRS02 1265 “Bana A”

Course CourseLength

Description: Defines the length of a course. The length shall be in meters
Syntax: CRS03 CourseKey CourseLength
Types: CourseKey:Record key CourseLength:Float
CRS03 1265 12300.0

Course CourseLevel

Description: Defines the level of a course.
Syntax: CRS04 CourseKey CourseLevel
Types: CourseKey:Record key CourseLevel:String
CRS04 1265 “Red”

Course CourseClimb

Description: Defines the climb of a course. The climb shall be in meters.

Syntax: CRS05 CourseKey CourseClimb
Types: CourseKey:Record key CourseClimb:Float
CRS05 1265 325.0

Course StartID

Description: Defines the start of a course.
Syntax: CRS06 CourseKey StartID
Types: CourseKey:Record key StartID:String
CRS06 1265 “S1”

Course FinishID

Description: Defines the finish of a course.
Syntax: CRS07 CourseKey FinishID
Types: CourseKey:Record key FinishID:String
CRS07 1265 “M1”

Course ControlID

Description: Defines the controls of a course.
Syntax: CRS08 CourseKey ControlID1 ControlID2 .... ControlIDN
Types: CourseKey:Record key ControlID:String
CRS08 1265 “56” “78” “77” “100”

Course LegLength

Description: Defines the length of each leg in a course. The length shall be in meters. Not including the leg from the last control to the finish line.
Syntax: CRS09 CourseKey LegLength1 LegLength2 .... LegLengthN
Types: CourseKey:Record key LegLength:Float
CRS09 1265 230.0 470.0 1200.0 470.0

Course MarkedLeg

Description: Defines a marked route on a leg of the course.
Syntax: CRS10 CourseKey LegNumber MarkedRouteID
Types: CourseKey:Record key LegNumber:Integer MarkedRouteID:String
CRS10 1265 4 “MR1”

Appendix A

Example OOEDIFF file

```
! OOEDIFF Example
PN001      1265       “Jan Bergman”
PN002      1265       “Jan”
PN003      1265       “Bergman”
PN004      1265       “VSOK”
PN005      1265       1960
PN100      1265       “STAGE1”       “H35”
PN101      1265       “STAGE1”       “BANA117”
PN102      1265       “STAGE1”       “1998-10-13 18:01 :00”
PN103      1265       “STAGE1”       “1998-10-13 18:01:01”
PN104      1265       “STAGE1”       “102”
PN105      1265       “STAGE1”       “H35”
PN106      1265       “STAGE1”       “1998-10-13 19:10:09.25”
```

```
PN107      1265       "STAGE1"      "24AE65C09"
PN108      1265       "STAGE1"      120     345.2   564.1   800    2400   4138   4148.25
PN109      1265       "STAGE1"      "31"    "34"    "64"    "80"   "240"  "41"   "48"
PN110      1265       "STAGE1"      120     345.2   564.1   800    2400   4138   4148.25
PN110      1309       "STAGE1"      34      -1      67      78     96     120    2457.2
PN111      1345       "STAGE1"      "2"
PN111      1549       "STAGE1"      "3"
PN112      1265       "STAGE1"      "01:09:08.25"
CLB01      57121      "VSOK"
CLB02      57121      "Västerås SOK"
CLB03      57121      "OL Way 1"
CLB04      57121      "SE-72100"
CLB05      57121      "Västerås"
CLB06      57121      "021-111213"
CLB07      57121      "021-111213"
CLB08      57121      "info@vsok.rec"
CLB09      57121      "Verner Stone"
CLB10      57121      "OL Way 1"
CLB11      57121      "SE-72100"
CLB12      57121      "Västerås"
CLB13      57121      "021-111213"
CLB14      57121      "021-111213"
CLB15      57121      "verner.stone@vsok.rec"
CLB16      57121      "Verner Stone"
CLB17      57121      "OL Way 1"
CLB18      57121      "SE-72100"
CLB19      57121      "Västerås"
CLB20      57121      "021-111213"
CLB21      57121      "021-111213"
CLB22      57121      "verner.stone@vsok.rec"
E0001      8912       "Aros Elite Meeting"
E0002      8912       "Västerås SOK"
E0003      8912       "1999-08-01"
E0004      8912       "AEM"
E0005      8912       "Night"
E0006      8912       "Relay"
E0007      8912       "H21E"        "D21E"  "H20E"  "D20E"
E0008      8912       "H21E-1"      "H21E-2"        "D21E"  "H20E"       "D20E"
CLS01      658907     "H21"
CLS02      658907     "H21"
CLS03      658907     90.00         "SEK"
CLS04      658907     "1999-10-10 10:01:00"
CLS05      658907     "Bana A"
! Class H16
CLS06      658907     #TRUE#        0       16      #FALSE# 0      100
! Class D50
CLS06      1277       #FALSE#       0       100     #TRUE#  50     100
CNT01      100        "100"
CNT02      100        "100"
CNT03      100        "100"         "101"   "102"   "103"
CNT10      100        "S1"
CNT11      100        "100"         "101"   "102"   "103"
CNT13      100        120.0
CNT14      100        "M1"
CNT15      100        "100"         "101"   "102"   "103"
CNT17      100        120.0
CNT18      100        "MR1"
CNT20      100        120.0
CRS01      985432     "C1A"
CRS02      985432     "Bana A"
CRS03      985432     12300.0
CRS04      985432     "Red"
CRS05      985432     325.0
CRS06      985432     "S1"
CRS07      985432     "M1"
CRS08      985432     "56"          "78"    "77"    "100"
CRS09      985432     230.0         470.0   1200.0  470.0
CRS10      985432     4             "MR1"
! End of OOEDIFF file
```