Bmx Event Manager© (BEM) Version 3.10.x

BEM and the companion programs RRD, SERIES and BEM TOOLBOX are easy to use programs for the management of entries, moto draws, race order setting, scoring, finals draws, real time result displays, team points and series scoring for BMX, MTB 4-Cross and Pump Track race meetings.

The BEM, RRD and Series programs have English, Spanish, French, German Italian and Portuguese language options.

Toolbox program in English and Spanish and BemTrain in English, Spanish and German.

Facilities for double timeline (bottom of Start Hill and Finish Line) transponder lap timing with interfaces for MyLaps, RaceResult and BeChronized transponder timing systems. Results are auto set in BEM from the passing records including auto DNS and DNF detection.

The program supports BMX events run under UCI BMX 2019 Rules plus Scrambled Moto Rules for Cycling Associations including Australia, New Zealand, British Cycle Federation, Canada, Italy, South Africa, Germany, Finland, Denmark, Red Bull Pump Track Rules and stand-alone Time Trial competitions with optional finals based on Time Trial results.

For Mountain Bike 4-Cross events, the program supports UCI 4-Cross Regulations with the option to run a 4-Cross event BMX style with all riders participating in multiple scrambled moto qualifying heats to qualify into UCI 4-Cross style elimination stages.

The programs provide the flexibility to allow race meetings to be run the way **you** want to run them. The program can be configured for multiple languages.

An extensive range of reports is available to screen, printer, clipboard, HTML files, JSON files and progressive updating of live Web Results using the eZeventing web site or the SportsLists phone App.

Auto updating, self-scrolling, auto refresh HTML results file can be generated to provide on track near real time results display via a browser on a networked PC or on a laptop with dual monitor support.
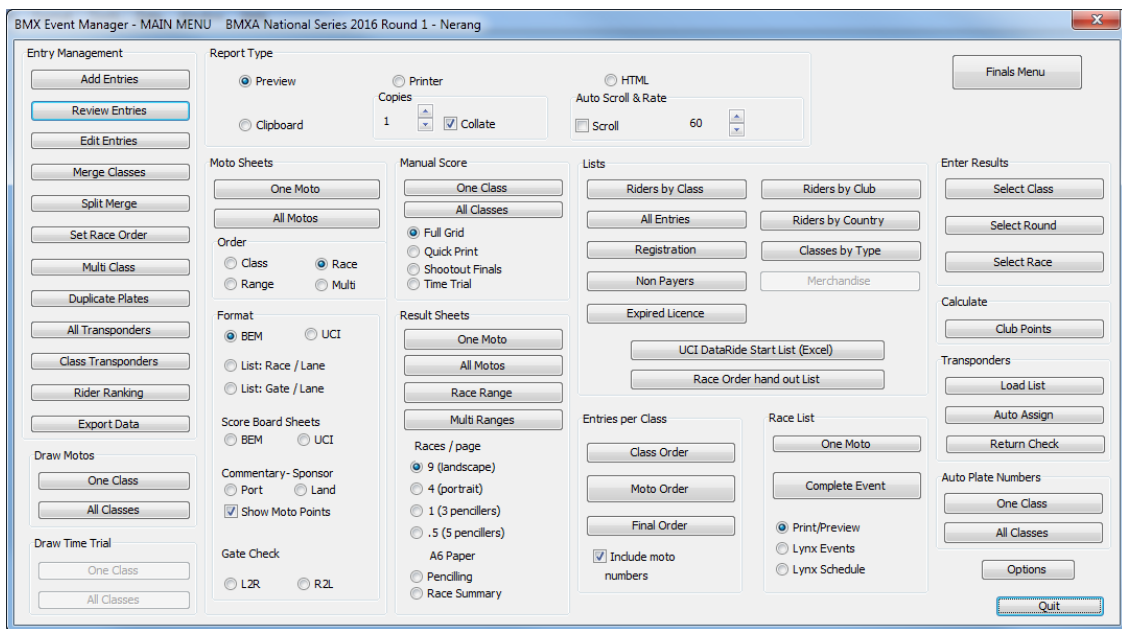
Data exchange with FinishLynx™ photo finish software to so results can be set in BEM directly from the Lynx system.

The companion BEM TOOLBOX is a utility program for managing rider lists, database updates and event creation and configuration.
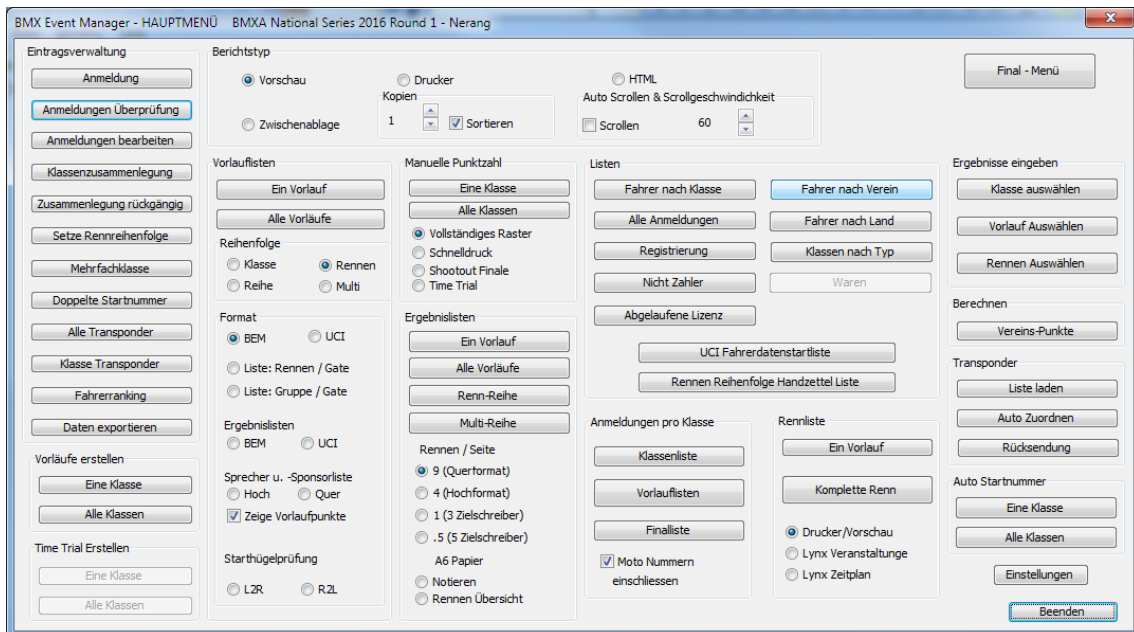
This document provides an overview of the specification and facilities. For additional information and operating instructions please refer to the individual program User Guides.

Summary of Reports

MOTO SHEETS	SCORING & RESULTS	EVENT MANAGEMENT

♦ Per class in box or table format
♦ Each moto, run off, semi etc or range of events in race order.
♦ One moto or final for one class.
♦ Event Sponsor details printed as a heading on all reports.
♦ Class Sponsor's details can be printed on moto sheets for commentary or posting.
♦ Individual rider's sponsors listed on Commentary Format moto sheets.
♦ Special paper saving format for UCI / BCF (non-rotation) motos.
♦ Team Manager format showing moto draws and results for each stage collated by Club, State or Country.
♦ User selectable formats from 9 down to 1 moto per page.
♦ Score Board sheets for notice board posting which have both moto draws and results in several user selectable formats.
♦ Four lane moto sheets for 4-Cross.
♦ Individually named moto sheets for handout to all riders in one of three formats. This print out can be collated alphabetically, by Class or by Country / State / Club.
♦ Moto draws, results and subsequent stage draws & results with riders grouped for Team Managers (Club and/or State and/or Country)
♦ Gate Check sheets in race order with lane numbering from left to right or right to left.
♦ Pencilling sheets for finish line for both 3 (French) and 5 pencillers with event number and rider numbers for each moto.
♦ JSON format Start Lists (RRD program)
	♦ Result Recording Sheets (in race order). Standard (9 races per page) or Championship (4 races per page) or Pencilling Sheets for 3 pencillers or 5 pencillers (1 race per two pages).
	♦ Time trial recording.
	♦ A6 size pencilling and race result sheets.
	♦ Manual Score Sheets (where computer not available at track).
	♦ Spontaneous printed results as they are entered on the computer after each race and / or each class.
	♦ Progressive, auto updating near real time Web posted results with eZeventing web site or SportsLists phone App. (requires a subscription with the provider).
	♦ Set results directly from imported transponder passing records (AMB, Times-7, Tag Heuer / Chronelec)
	♦ Auto set DNS and DNF result where bottom of hill and finish transponder timelines are used.
	♦ Photo finish check request when transponder lap times are within an operator settable threshold.
	♦ Set results directly from imported Lynx photo finish records.
	♦ Moto point total.
	♦ Moto results.
	♦ Final results.
	♦ Finals placing's
	♦ Full results, motos run offs and finals.
	♦ Results for all riders sorted by Club.
	♦ Top 8 in each class.
	♦ Newspaper format results txt file.
	♦ Club (Team) points, calculation and report.
	♦ Series results for based on Classes for up to a ten event series.
	♦ Teams competition for 1 to 22 round series.
	♦ Generation of the UCI mandated format DataRide format Start List and Results Excel reports.
		♦ Registration Report listing all riders with licence, payment and registration status.
		♦ Registration by scanning of bar coded licences.
		♦ List all riders in the event (sorted by name, race number or file reference).
		♦ List pay on day entries.
		♦ List riders and impacted classes where riders have entered more than one class.
		♦ List of any duplicate race numbers per class.
		♦ List riders whose licence has an expiry date (in an external database) before the event date.
		♦ List riders by class (sorted by name, race number, reference number or transponder).
		♦ List riders in Ranking Classes sorted by ranking.
		♦ List of classes with number of entries per class with classes listed in class, moto or finals order.
		♦ List riders by Club.
		♦ List riders by Country.
		♦ Race Order Analysis to optimise breaks for riders in more than one class.
		♦ Export one Class or all riders to MyLaps, RaceResult or BeChronized transponder timing systems.
		♦ Moto and Final Race Order handout sheets.
		♦ Export schedule and events to FinishLynx with Lynx.sch and Lynx.evt files.
		♦ On Track Points Café for direct rider and spectator access to scoring.
		♦ Post event list of riders who have not returned hired transponders.
		♦ Print registration confirmation slips with class and transponder details on A4, A6 plain paper or using a docket printer.
		♦ Team Manager reports collated by Club and/or State and/or Country for:
		  ♦ Moto Draws
		  ♦ Moto Results
		  ♦ Stage draws and results.

English Dialogue

BMX Event Manager - MAIN MENU   BMXA National Series 2016 Round 1 - Nerang

Entry Management
- Add Entries
- Review Entries
- Edit Entries
- Merge Classes
- Split Merge
- Set Race Order
- Multi Class
- Duplicate Plates
- All Transponders
- Class Transponders
- Rider Ranking
- Export Data

Draw Motos
- One Class
- All Classes

Draw Time Trial
- One Class
- All Classes

Report Type
- ○ Preview
- ○ Clipboard
- ○ Printer
- ○ HTML

Copies: 1 ☑ Collate

Auto Scroll & Rate
☐ Scroll 60

Moto Sheets
- One Moto
- All Motos

Order
- ○ Class ● Race
- ○ Range ○ Multi

Format
- ● BEM ○ UCI
- ○ List: Race / Lane
- ○ List: Gate / Lane

Score Board Sheets
- ○ BEM ○ UCI

Commentary - Sponsor
- ○ Port ○ Land
- ☑ Show Moto Points

Gate Check
- ○ L2R ○ R2L

Manual Score
- One Class
- All Classes

Order
- ● Full Grid
- ○ Quick Print
- ○ Shootout Finals
- ○ Time Trial

Result Sheets
- One Moto
- All Motos
- Race Range
- Multi Ranges

Races / page
- ● 9 (landscape)
- ○ 4 (portrait)
- ○ 1 (3 pencillers)
- ○ .5 (5 pencillers)
- A6 Paper
- ○ Pencilling
- ○ Race Summary

Lists
- Riders by Class
- All Entries
- Registration
- Non Payers
- Expired Licence
- Riders by Club
- Riders by Country
- Classes by Type
- Merchandise
- UCI DataRide Start List (Excel)
- Race Order hand out List

Entries per Class
- Class Order
- Moto Order
- Final Order
- ☑ Include moto numbers

Race List
- One Moto
- Complete Event
- ● Print/Preview
- ○ Lynx Events
- ○ Lynx Schedule

Enter Results
- Select Class
- Select Round
- Select Race

Calculate
- Club Points

Transponders
- Load List
- Auto Assign
- Return Check

Auto Plate Numbers
- One Class
- All Classes
- Options

Finals Menu

Quit

Main Menu Dialogue (English)

German Dialogue

BMX Event Manager - HAUPTMENÜ   BMXA National Series 2016 Round 1 - Nerang

Eintragsverwaltung
- Anmeldung
- Anmeldungen Überprüfung
- Anmeldungen bearbeiten
- Klassenzusammenlegung
- Zusammenlegung rückgängig
- Setze Rennreihenfolge
- Mehrfachklasse
- Doppelte Startnummer
- Alle Transponder
- Klasse Transponder
- Fahrerranking
- Daten exportieren

Vorläufe erstellen
- Eine Klasse
- Alle Klassen

Time Trial Erstellen
- Eine Klasse
- Alle Klassen

Berichtstyp
- ○ Vorschau
- ○ Zwischenablage
- ○ Drucker
- ○ HTML

Kopien: 1 ☑ Sortieren

Auto Scrollen & Scrollgeschwindigkeit
☐ Scrollen 60

Vorlauflisten
- Ein Vorlauf
- Alle Vorläufe

Reihenfolge
- ○ Klasse ● Rennen
- ○ Reihe ○ Multi

Format
- ● BEM ○ UCI
- ○ Liste: Rennen / Gate
- ○ Liste: Gruppe / Gate

Ergebnislisten
- ○ BEM ○ UCI

Sprecher u. -Sponsorliste
- ○ Hoch ○ Quer
- ☑ Zeige Vorlaufpunkte

Starthügelprüfung
- ○ L2R ○ R2L

Manuelle Punktzahl
- Eine Klasse
- Alle Klassen

- ● Vollständiges Raster
- ○ Schnelldruck
- ○ Shootout Finale
- ○ Time Trial

Ergebnislisten
- Ein Vorlauf
- Alle Vorläufe
- Renn-Reihe
- Multi-Reihe

Rennen / Seite
- ● 9 (Querformat)
- ○ 4 (Hochformat)
- ○ 1 (3 Zielschreiber)
- ○ .5 (5 Zielschreiber)
- A6 Papier
- ○ Notieren
- ○ Rennen Übersicht

Listen
- Fahrer nach Klasse
- Alle Anmeldungen
- Registrierung
- Nicht Zahler
- Abgelaufene Lizenz
- Fahrer nach Verein
- Fahrer nach Land
- Klassen nach Typ
- Waren
- UCI Fahrerdatenstartliste
- Rennen Reihenfolge Handzettel Liste

Anmeldungen pro Klasse
- Klassenliste
- Vorlauflisten
- Finalliste
- ☑ Moto Nummern einschliessen

Rennliste
- Ein Vorlauf
- Komplette Renn
- ● Drucker/Vorschau
- ○ Lynx Veranstalunge
- ○ Lynx Zeitplan

Ergebnisse eingeben
- Klasse auswählen
- Vorlauf Auswählen
- Rennen Auswählen

Berechnen
- Vereins-Punkte

Transponder
- Liste laden
- Auto Zuordnen
- Rücksendung

Auto Startnummer
- Eine Klasse
- Alle Klassen
- Einstellungen

Final - Menü

Beenden

Main Menu Dialogue - German

Event Management Facilities

FACILITY	DETAILS
Race Order.	♦ Separate setting of Moto and Finals order by Class if required. ♦ Setting of Final stage order by individual race. ♦ Addresses the most tedious and time-consuming task in setting up an event, ie determining the Race Order. The race order can be set and changed with analysis provided from the perspective of riders entering multi classes to allow the best possible splits to be achieved quickly and easily. ♦ Multi Class report lists riders who have entered more than one class. ♦ Reports for one stage or complete event running order. ♦ Special format Moto and Final Race order report for handout to riders.
Duplicate Checking	♦ Automatic checking for duplicate entries. ♦ Automatic checking for duplicate plates in class as entries is made. ♦ Automatic checking for duplicate transponder numbers.
Registration Report	♦ Report listing all riders in the event, their file reference, class, race number, date of birth, club, paid status, licence number, licence expiry date, payment and registration status. ♦ Registration by entering of licence number or scanning licence number barcode displaying rider details for up to four classes on a screen visible to the rider for confirmatio of class, race number, registration, payment status and licence expiry date.
Licence Expiry Checking.	♦ With an external reference file (typically derived from the National Organisation's Rider Database), a report is available detailing riders with expired or wrong classification licence on the event date.
Riders Age Calculation.	♦ The rider's age for the event is calculated from their date of birth. ♦ Supports age on the day, year of birth, age at start and age at end of series.
Merchandise Orders	♦ Merchandise orders can be taken with the entries. ♦ Reports on total orders, orders per rider, riders for individual product.
Auto Race Number Allocation	♦ Auto allocation of race numbers is available for events where the organiser allocates and issues race plates
Transponder Allocation	♦ Import a list of scanned transponders to create an Allocation Pick List. ♦ Manual and Auto Allocate transponders to riders from an Allocation List. ♦ Label printing to assist transponder distribution ♦ Report of non-returned transponders post event.
File Reference.	♦ If file record numbers are assigned to entry forms, the numbers can be input with the entry details. BEM can then print a report of all riders or riders by class sorted by Reference Number for ease of entry auditing.
Merging Classes.	♦ Merging of classes for minimum class size requirements is easily achieved by selecting classes from drop down lists. ♦ Unmerge facility allows restoration of previously merged classes.
Export Data	♦ Rider details and moto draws can be exported to a CSV or TAB delimited file for subsequent printing of labels, certificates or importing to other applications. ♦ A tab delimited export in the correct format for importing to AMBit transponder timing software.
Barcode Scanning	♦ Where licence numbers are bar-coded, a scanner can be used to select riders for event entry, review of entries and for registration.

The RRD (Report and Result Display) companion program is designed primarily to be run on a PC networked with the PC running BEM or from a single PC with dual monitor support to provide the following facilities.

FACILITY	DETAILS
Screen Based Call-Up	◆ Saves on paper but does require a PC in the call up area. ◆ Three races shown on screen at a time.
Reports to screen, printer, clipboard or HTML file. Start Lists in JSON file format.	◆ Reports and moto sheets can be printed independently from the main scoring computer. ◆ Moto sheets individually named for handout to competitors. ◆ Moto sheets and results for each stage of the event collated by Team Manager. ◆ Results per Club.
On Track Points Café (Requires Office 2003 or later)	◆ Provide riders and spectators direct access to stage draws, results, run schedule and notices via one or several networked PCs. ◆ Administrator can enable / disable public printing or reports
Event Status Monitor	◆ Allows the event administrator to monitor heat draws and results entry. ◆ Moto and scoring sheets can be printed without interrupting the results entry operator.
Auto Report Generator	◆ Allows the auto generation of selected HTML results (heat draws, entry lists, scoring etc.) on a per class basis for on demand web access. ◆ Operator initiated or auto results printing on up to 4 separate printers. ◆ Auto, progressive uploading of results during an event to the eZeventing web site or to the SportsLists phone App. Note that to use these facilities, a subscription with the respective provider is required. For eZeventing see: www.ezeventing.com.au For SportsLists see: www.sportslists.eu

The SERIES program compiles results from up to 22 event (.bem) files and generates series points reports for both Class based and Team competitions.

FACILITY	DETAILS
Number of individual rounds	From 1 to 22
Series Qualification.	♦ The user can specify the minimum number of rounds to compete in to qualify for the series award. ♦ Individual rounds can be flagged as mandatory or optional to qualify for a series award. ♦ Up to four groupings of rounds can be specified to specify series qualification. E.g. Must compete in 3 of rounds 1, 2, 6, 7, 9.
Points Schemes	♦ The user can enter their own point's scheme with up to four translation tables available for any one series plus a table for overall place in the class and / or Time Trial from 1 to 100. This allows separate tables to be used for moto, final and bonus points. ♦ Each class or team can select from one of six sets of four tables. ♦ Provides points to be taken from best scores from nominated rounds. Up to four "best of" groups can be defined. E.g. Count the best 4 results from rounds 1 – 6 and the best 3 results from rounds 7, 9 and 11. ♦ Each Class or Team has it's own multiplier applied to all rounds. ♦ Each round has it's own multiplier allowing for example double or triple points for selected round. ♦ Riders in merged classes are scored in their "home" class for the series. ♦ Configurable for UCI Ranking Series. ♦ Configurable for Canadian Provincial Points rules. ♦ Configurable for European Cup Series.
Bonus Points	Bonus points can be awarded for: ♦ Entering a round ♦ Competing in a round ♦ Entering all rounds of the series ♦ Competing in all rounds of the series ♦ Competing in each moto ♦ Earliest qualifying round per class (for UCI Team Scoring System) ♦ Qualifying for sixteenth, eighth, quarter or semi finals ♦ Based on the number of riders in the class

Tie Break	♦ One of four options can be selected by the operator to resolve riders tied on points at the end of the series.
	  ♦ No tie break applied, equal points get equal ranking.
	  ♦ Tie break based on best placing(s) in the finals from the series.
	  ♦ Count back on series points from last to first round.
	  ♦ Count back on series points from highest to lowest applicable rounds.

Team Scoring	♦ Teams can comprise any number of riders. ♦ For each round, the user specifies the number of individual rider results counting towards the teams round total, Eg Each team could consist of 8 riders with the best 4 individual scores counting towards the team total. ♦ An individual rider can be a member of a maximum of four teams in the same event, eg Club, State and Corporate. ♦ Configurable for UCI Team Rules.
Reports	Summary and Detailed result reports for: ♦ One or all Teams ♦ One or all Classes ♦ Reports are available to printer, screen, clipboard, HTML file or export in CSV or TAB delimited format.

Some events run with BEM

- Victorian Grand Prix Series from 1998.
- South Eastern Cash Dash from 1998.
- BMXV Interclub and State Championships from 1998.
- Lilydale Supernational 1999.
- Bendigo Gold Rush 2000.
- Majority of events at Happy Valley from January 2000.
- Majority of Victorian Metro Plate rounds since 1998.
- Shoot-Out Competition at the Darwin, Adelaide and Hobart (2002) Australian Titles.
- Canadian National BMX Championships 2005 –
- . Vic Track Attack Series from 2001.
- SA State Titles 2001, 2005-. (transponder event from 2011)

- NZ pre-Titles 2002.
- British National Series from 2002-.
- UCI Oceania Ranking Series 2003-2019.
- Pacific Oceania (Perth) 2003.
- Western Australia State Titles from 2003.
- Nerang Gold Coast Supernational 2004.
- New Zealand National Championship 2004-
- Alberta Provincial Championship 2004 -.
- BMX Australia Champbikx, Probikx and Oceania Ranking Series from 2004
- World Pre-Titles 2003 Perth (AUS), 2007 Abbotsford (CAN) and 2009 Adelaide (AUS)
- Australian Championships 2003, 2006-2019. (transponder scored from 2010)
- Queensland State Championships 2009- (transponder scored events)
- BMX Germany National Series from 2015
- Variety of South American UCI C1 events

System Requirements

Operating System: Windows XP / Vista / Windows7 and with Windows 8 / 8.1 and Windows 10, the full version, not the tablet RT version.
OK for either 32 or 64 bit versions of Windows.
Professional version of Windows recommended where transponder timing is used.

Microsoft Office: Office 2003, 2007 or 2010.
BEM 3.10.x does not run on Office 2013, 2016 or Office 365 as Microsoft have not maintained full backwards compatibility with Office 2010, 2007 and 2003 versions.

Hardware: Recommended minimum PC configuration is an i3 processor with 4gb of RWM.
While the program will run on a lesser configuration, some patience may be required.
Where Transponder timing is to be used, a much higher processing load is required and therefore the fastest available PC is recommended such as a 2G Core2 Duo or i5 / i7.

Price

The Programs are available to Clubs and Organisations for evaluation and trial usage. Registration fees for regular users are:

BEM, RRD, Series and Toolbox Programs	Version 3.9.x
Non-profit groups (per Club), single licence	AUD $150.00
Non-profit groups,(per Club) multiple single licences	AUD $100.00
Cycling Associations and Commercial Users	AUD $1050.00

BemTrain	Version 3.0.x
Non-profit groups (per Club), single licence	AUD $195.00
Cycling Federations and Commercial Users, single licence	AUD $390.00

Registration entitles users to unlimited support and all maintenance updates.

The program was developed and is supported by Lyndon Downing.
Phone or WhatsApp   +61 418 363 231
E-mail   Lyndon.Downing@bigpond.com
Skype: Lyndon.Downing

BEM Results Entry Screen

BEM Rider Entry Screen

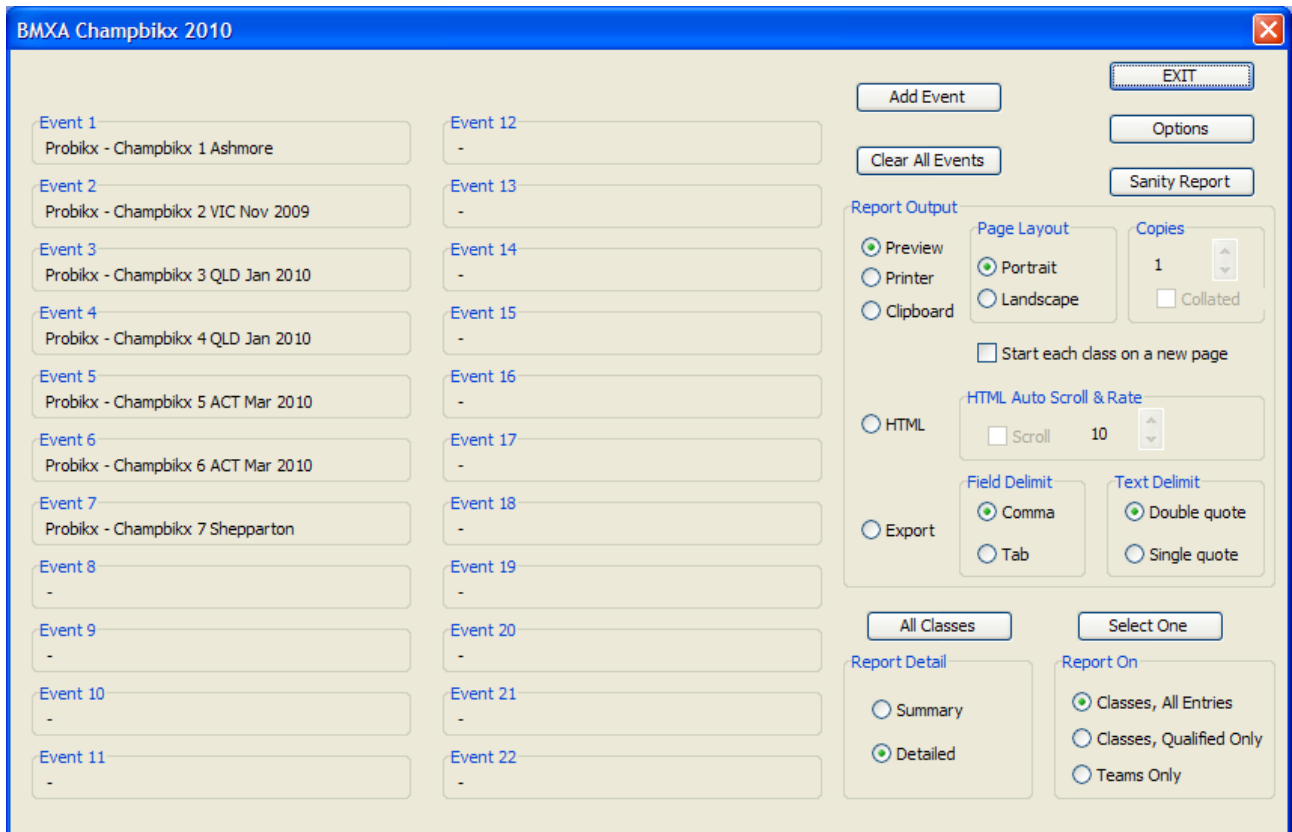| 4	Cruiser Senioren II, Moto 1 Gate 1	
L1	5 Christoph KANIA	NRW
L2	816 Marco EISENSCHMIDT	NDS
L3	3 Thomas DUCKHORN	BRE
L4	- -	-
L5	- -	-
L6	- -	-
L7	712 Christian REUPKE	NDS
L8	358 Arno NEUMANN	BRE

5	Cruiser Senioren III, Moto 1 Gate 1	
L1	6 Andreas ENDLEIN	BAY
L2	2 Joachim LIENERT	NDS
L3	44 Udo WAGNER	WÜT
L4	- -	-
L5	- Michael PETER	BRA
L6	4 Michael PETER	BRA
L7	11 Mario GRÖNING	NDS
L8	02 Uwe SKRZYPEK	BAD

6	Cruiser Senioren III, Moto 1 Gate 2	
L1	1 Thomas KUROWSKI	HAM
L2	- -	-
L3	348 Holger GODAU	HES
L4	8 Thomas ELSNER	BAY
L5	- -	-
L6	12 Carsten JOOS	WÜT
L7	- -	-
L8	06 Markus WEIßE	HES

Exit
Next
Previous
Select Class
Select Round
Select Race

RRD Screen Based Call Up

BMXA Champbikx 2010

Add Event		**EXIT**
Clear All Events		**Options**
		Sanity Report

Event 1
Probikx - Champbikx 1 Ashmore

Event 12
-

Event 2
Probikx - Champbikx 2 VIC Nov 2009

Event 13
-

Event 3
Probikx - Champbikx 3 QLD Jan 2010

Event 14
-

Event 4
Probikx - Champbikx 4 QLD Jan 2010

Event 15
-

Event 5
Probikx - Champbikx 5 ACT Mar 2010

Event 16
-

Event 6
Probikx - Champbikx 6 ACT Mar 2010

Event 17
-

Event 7
Probikx - Champbikx 7 Shepparton

Event 18
-

Event 8
-

Event 19
-

Event 9
-

Event 20
-

Event 10
-

Event 21
-

Event 11
-

Event 22
-

Report Output
- ⦿ Preview
- ○ Printer
- ○ Clipboard

Page Layout
- ⦿ Portrait
- ○ Landscape

Copies
1

☐ Collated

☐ Start each class on a new page

○ HTML

HTML Auto Scroll & Rate
☐ Scroll   10

○ Export

Field Delimit
- ⦿ Comma
- ○ Tab

Text Delimit
- ⦿ Double quote
- ○ Single quote

All Classes   **Select One**

Report Detail
- ○ Summary
- ⦿ Detailed

Report On
- ⦿ Classes, All Entries
- ○ Classes, Qualified Only
- ○ Teams Only

SERIES Event Selection and Report Screen

Rules supported for Moto Rotation (scrambled moto) Rules.

FEATURE	BMXA, BMXNZ, BMX South Africa & BCF Rules (complies with 2019 Australian, South Africa, New Zealand and British National Rules)	CANADIAN CYCLING BMX (complies with 2015 CCA rule update)	Castle Hill Orange Blossom Rules	Shoot Out Rules Adelaide 2001 National Shoot Out. plus Four Gate Eliminator Competition	4-Cross Hybrid Rules Scrambled Motos Qualifying to UCI 4-Cross Eliminations
Number of starting lanes on gate.	Up to 8 (yes you can specify 2, 4 or 6 lanes). Four lanes for Mountain Bike 4-Cross racing.	8 only (for rule compliance).	8 only (for rule compliance).	8 only (for rule compliance).	4 only
Number of classes.	Up to 100 per event				
Pre-final motos.	Up to 7	Up to 7.	Up to 7 (normally 3).	2 qualifying rounds.	Up to 7 (typically 3)
Riders per class.	Unlimited	Maximum of 320 per class	4 to unlimited.	5 to 64 riders per class.	Unlimited
Class types.	Sprocket and Open.	Amateur and Pro transfer rules.	Age and Pro.	Open.	Open
Moto Selection and Type.	Random & pre-emptive selection, mixed rotation motos pre final.	Random & pre-emptive selection, mixed rotation motos pre final.	Random & pre-emptive selection, mixed rotation motos pre final.	Shootout: Random selection for qualifying rounds. Four Gate Eliminator: Selection based on Ranking.	Random & pre-emptive selection, mixed rotation motos.
Scoring. Note that results can be entered by place or by lap times.	♦ UCI (Normal requirement) ♦ Legacy scoring schedules for BMXA and BMXNZ ♦ Mountain Bike 4 lane.	UCI	BMXA.	BMXA.	UCI
Scoring Club & Series Points.	Points total per Club and per Rider calculated (10 for 1st, 8 for 2nd,…. 1 for 8th) independently from points system and rules selected for the event.	Supports Canada Cup and District points schemes for Novice, Intermediate, Expert, Junior, Pro and Cruiser Classes. Supports Canada Cup Team rules.			Series and / or Team Competition with the BEM Series program.
Final determined by:	Eighth, Quarter and semi-finals as required. Supports both: ♦ Deadman (BMXA rule E.1.i). ♦ Points through (rule E.1.ii). ♦ Final or extra moto (E.4)	Eighth, Quarter and semi-finals per CCA Rules. Last Chance race for last two places in final for PRO class with 10-12 riders.	Quarter and semifinals per Orange Blossom transfer rules.	Transfer from qualifying rounds. Random selection of qualifiers for one on one races.	UCI 4-Cross Elimination Stages. I.e. Round of 64, 32, 16, 8 dependant on number per class.
Number of finals.	The following finals options are supported ♦ Expert (top 8). ♦ Expert (top 8) + Consolation (9-16). ♦ Expert (top 8) + invitation (9 – xx). ♦ One gate (top 8 after motos, no semi or quarter). ♦ No finals, motos only.	Single final only per CCA rules. (Expert + Consolation and Expert + Invitation are available in the program but do not comply with 2004 CCA rules)	Age Classes: One on one Expert Final and Consolation Pro Classes: One on one Expert Final and Consolation to determine 3rd to 8th placing.	1/8, quarter and semi finals determined by class numbers. Main and Consolation final. Supports both manual draws and random computer selection for the Finals.	A & B Finals dependant on number per class. Optional extra moto for small classes.

Rules Supported for Non Rotated Motos

FEATURE	UCI UCI BMX Rule Book **Version in force January 1st, 2019**	British Cycle Federation **non moto rotation Rules** (Rider Allocation Sheet 2002)	UCI 4-CROSS UCI Mountain Bike Regulations Edition 01-01-2018
Number of starting lanes on gate.	8 only (for UCI compliance).	8 only (for rule compliance).	4 only (for rule compliance).
Number of classes	Up to 100 per event.		
Pre-final motos.	Normally 3 for UCI conformance	Normally 3 for BCF conformance.	One timed qualifying run per rule 4.4.004.
Riders per class.	Up to 320 per class.	Up to 71 per class (under review).	
Class types.	UCI	BCF.	Cut off at 16 or 64 riders from qualifying run.
Moto Selection and Type.	♦ Ranking (6.1.027 a.) ♦ Time Trial (6.1.027 b.) ♦ Random (6.1.027 c.) ♦ Scrambled (6.1.027 d.) ♦ UCI 2018 SuperCross (Annex 1 BIS).	Random selection.	Riders seeded to elimination heats based on qualifying times per rule 4.4.006.
Scoring. Note that results can be entered by place or by lap times.	UCI.	UCI.	UCI
Scoring Club & Series Points.	Series Program can be configured for ranking points for up to a 22 event series and Team points per UCI scheme.	Series scoring with Series Program (supports BCF National Series Points).	Series and / or Team Competition with the BEM Series program.
Final determined by:	1/16, 1/8, ¼ and 1/2 as required. ♦ UCI 2018Transfer Systems.	1/8, quarter and semifinals per BCF Rider Allocation Chart.	Transfer system per rule 4.4.006 with the first and second placed riders qualify for the next round.
Number of finals.	Single final per Series Rules Time Trial Super-Final for events with Time Trials.	A and B finals (subject to class numbers) per BCF National Series Rules. A plus Invitation finals (subject to class numbers) for Formula Racing.	Main and Small finals per rule 4.4.008.

Additional Event Support

FEATURE	Time Trial	BSX (Backyard Super Cross)	Red Bull Pump Track Solo run and Head to head dual.
Number of starting lanes on gate.	From 2 to 8.	2 only (for rule compliance).	1 or 2
Number of classes	Up to 100		
Pre-final motos.	None	None.	None
Riders per class.	Up to 200 per class.	Unlimited	Maximum of 110 per Red Bull Rules
Class types.	User Defined	User Defined	User Defined
Moto Selection and Type.	♦ Random. ♦ Ranking or Time Trial as per UCI BMX Rules 6.1.077. ♦ UCI SuperCross	Random selection.	
Scoring. Note that results can be entered by place or by lap times.	UCI.	UCI.	
Final determined by:	Time Trial	Time Trial for Seeding and Elimination 1/8, ¼, ½ Finals dependant on class numbers.	Time Trial for knock out heat seeding and cut-off 1/8, ¼, ½ Finals dependant on class numbers
Number of finals.	User configurable for: ♦ Single or two run Time Trial ♦ Single run Time Trial + SuperFinal ♦ Single or two run Time Trial + final for top 8. Single or two run Time Trial + Finals for all entrants. I.e. A final for fastest 8 from TT. B final for 9th – 16th from TT C final for 17th – 24th from TT etc.	A and B finals (subject to class numbers). Refer to www.bmxultra.com for full BSX rules.	Small Final for 3rd and 4th Big Final for 1st and 2nd