# **BEM Guide for Enduro Events**

## **Document version: 1**

This document is a user guide to running Enduro events with the BEM race program.

This guide has been produced with the following references:

- UCI Cycling Regulations Part 4, Mountain Bike, version on 01.01.2022
- BEM version 11.22.1.
- BEM Toolbox 3.22.4

## Event Configuration for Pump Track Events

Basic event setup rules for Enduro events in BEM are:

- The event must be created on a minimum event template version of 48, i.e. created using Toolbox 3.21.12 or later. Recommended to use Toolbox 3.22.4 or later.
- All categories in the event must be configured as Enduro. A mix of Enduro and BMX or Enduro and Pump Track for example is not permitted.
- The Enduro event can be configured for 1 to 15 timed stages.

#### Typical Event Level setup in the Toolbox.

Notes:

- Event Mode set to MTB Enduro (Gravity Enduro).
- Number of Timed Stages = 6 in this example.

Event Name	Event Location		OK
Example Enduro Event			
Event Sponsor	Event or Sponsor o	elated website to annear on report	
	Actual web page link. E.g. www.something.com	Link Text. E.g. Actual link or	Click here for web page
Date for Licence Expiry Check			
30 • Oct • 2021 •	AusCycling Class of Event & Location	UCI Competition Code	For UCI Ranking Events, enter the UC
Date for Age Determination	No sanctioning checking to be applied to the event.	Print Daner Size	assigned Competition Code
31 • Dec • 2021 •		A4 (210 mm x 297 mm)	•
Motos before Final Number of 1	Starting Lanes	Valid Licence Types	
inimum Riders for B (Consolation) Final Minimum in class for B (consolation EXPTCONS and EXPTCONS-For c	1) final for Class_Code of	O,S,E,A,IR Licence ty E.g., O,S	pes separated by comma(s) Leave blank for no checking.
	Class Code INV and INV-F		Event Mode
Minimum Riders for Invitation Finals           9         Minimum in class for B,C etc (Invitation Final(s) for Class_Code of INV and I	tion) C Final Numb NV-F 10 Final 99	ber of Finals Maximum Number of Finals	X / Pump Track / 4x B Enduro (Gravity Enduro)
Minimum Riders for One Gate Final Minimum in dass for Final for Class with a single gate (heat), E.g. UC Enter 3 to number of starting lane	s Codes allowing for a Final LF, EXPT-F,		
Number of Timed Stages	inimum Riders for Time Trial Super Final Minimum in class for Time Trial Super Final for UCI *	-SF" Class_Codes.	

### Class Level setup in the Toolbox.

#### Note: all classes/categories must have a Class Code of MTB-ENDURO

Neview Classes					^
Delete Selected	Classes Configure Selecte	ed Classes Add a New Cl	Move Class	s Down	Exit
CLASS NO Class Text 62 Women Din 64 Men Bite 14 Women Din 15 Men Under	Class Shord Race O e WE 45 92 U123 23 W23	1 Final Ord Minim Entry Class Code 5 MTB ENDURGO 13 MTB ENDURGO 13 MTB ENDURGO 13 MTB ENDURGO	Score Code Finals Code Class DNS=OUT NUL DNS=OUT NUL DNS=OUT NUL DNS=OUT NUL DNS=OUT NUL	<u>Soonsor</u> <u>Type</u> <u>Fee1</u> <u>1</u> 75.00 <u>1</u> 75.00 <u>1</u> 60.00 <u>1</u> 60.00	Code1 Fee2 N 0.00 N 0.00 N 0.00 N 0.00
					•

## **Entries and Drawing Timed Stages**

- Entries are added in the usual manner, i.e. imported from an on-line entry system or entered manually.
- Check for minimum numbers in each category and merge any under-subscribed categories as required.
- Set the race order for both Moto Order and Final Order.
- Draw the Timed Stages for one or all classes. E.g.



• For each category there is a choice of how the starting order is managed. I.e.

Format Report	×
Women Elite Selection for Timed Run starting order	OK Cancel
Sort by:	
<ul> <li>Highest ranked starts last</li> </ul>	
◯ Highest ranked starts first	
$\bigcirc$ Race number, low to high	

• "Moto sheet" reports are in BEM's Time Trial Start List format.



moto-sheets.com



### cLAss: Men Elite (16 riders)

Ref	PLATE	NAME	COUNTRY	
1	CN	Caelan N EALE	AUS	
2	TZ	Timothy ZIMMERMAN	AUS	
3	AH	Hamish ABBIE	AUS	
4	cw	Charlie WESTON	AUS	
5	JC	Jacob CLEGG	?	
6	JB	James BEUTEL	AUS	
7	DL	Darcy LEE	AUS	
8	MS	Matthew SCHRAMM	AUS	
9	BVL	Bailey VAN LIEROP	AUS	
10	MF	Max FORMBY	AUS	
11	AR	Angus ROWE	AUS	
12	SC	Sheldon C OSFOR D	AUS	
13	JT	Jaiden TREGLOAN	AUS	
14	DP	Damien PRINCE	AUS	
15	EF	Ethan FORNER	AUS	
16	DM	Degan MYER	AUS	

MOTO-SHEETS.COM

Timed Stage Start List

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## Timing Configuration with BEM

With Enduro events in BEM, there is flexibility for the variety of start methods and section lengths encountered for a typical enduro event.

E.g. you can use a mixture of Gate Start for selected stages and loop start for other stages.

To manage this, the start method, passing file type, loop names and timer settings must be set and saved explicitly for each timed stage.

In the following screenshot of the Transponder and Lap Time Settings screen from the 6 stage example event, note:

- In the Enduro Settings group you select the stage to be configured (or modified) and then click the Save Settings button.
- Settings have been saved for Stage 1 and Stage 2 only indicated by the green backgrounds.
- Settings for Stages 3 6 are yet to be saved indicated by the red backgrounds.



Passing file selection is made in the Results Entry screen with the difference for Enduro being that passing file shown (and saved) is unique to the stage.

Therefore passing file selection needs to be made explicitly for each timed stage when that particular stage is selected in results entry. E.g.

iter Kesuit	s: Example Enduro Event						
Event	TS1-1						Exit
lass	Women Elite	Stage	Stage 1	Heat	1		Accept without check
NAME		PLATE	PLACE POIN	LAP TIS TIME	TOTAL POINTS	SPLIT PENA TIME MM:S	ALTY SS Accept
	Sophia ASMUS	3	- ~ 0	0.000	0	0.000 0:0	0 Read Back
							Clear Race
							Next
							Class
							Race
							Next on Accept
Race Comm	nent						Set Place by Time
							Stopwatch Pop up
Transponde	er and Camera Control				Auto Acc	ent	Auto Read Back
Single I	Import Import Now	Settings	Review Passings	Lap Time	Auto DNS	DNF	Auto Process Stage
					🗹 Auto Imp	ort 🗹 1	15 min Finish to Score Check
			-		🗹 Auto Run	Round	Arita Luov LTE an Account
Select Au	ngs File 1 C:\BEM\Passings\S	es Start-1\Start-1.txt				De	o not select Write Lynx if you don't know hat this option does!
Passir	C:\BEM\Passings\E	inish-1\Finish-1.txt					Riders Sorted by
Passir	ngs File 2 Chipter ny dooringo y						Plate
Passir Passir Auto Print F	Report Selection						O Plate

### Stage 2

Enter Result	s: Example Enduro Event							×
Event Class	TS2-1 Women Elite	Stage	Stage2	Heat	1			Exit Accept without check
NAME	Sophia ASMUS	PLATE 3	PLACE POINTS	LAP TIME	TOTAL POINTS 0	SPLIT TIME 0.000	PENALTY MM:SS 0:00	Accept Read Back
								Race Next Previous Class Race
Race Com	rent er and Camera Control							Next on Accept Anticipate DNS Set Place by Time Stopwatch Pop up Auto Read Back
Single 1 Select Au Passii Passii	Import Import Now to Import Transponder Passings Files ngs File 1 C: (BEM)Passings (Sta nas File 2 C: (BEM)Passings (Fin	Settings rt-2\Start-2.txt sh-2\Finish-2.txt	Review Passings	Lap Time	Auto A Auto D Auto In Auto R	ccept NS DNF nport un Round	✓ 15 min Fir Write Lyn Do not sele what this o	Auto Process Stage lish to Score Check x LIF on Accept ct White Lynx if you don't know plan does! Miders Sorted by
Auto Printi Auto Printi Auto H Results,	Report Selection TML + JSON Each Race	ach Race	0 Results, Each Class	▲ 1 Run C	off •	0 Cla	ss Next Stage	Plate     Moto Points     Name

## **Results Entry for Enduro**

For Enduro results entry, riders are presented as for a BEM Time Trial with one rider per heat in each stage.

Times are entered with the usual Lap Time button and can be amended manually if required.

Provision is made to add a time penalty per rider per Stage if required with penalty times shown on the results entry screen.

lass Wonen Bile Stage Stage2 Heat 1  NAME PLATE PLACE POINTS TIME POINTS TIME Sopha ASMUS 3 ● 0 0.000 0 0.000 Read Back Clear Race Race Race Race Race Race Race Race	vent	TS2-1							Exit
NAME PLATE PLACE POINTS TIME P	lass	Women Elite	Stage	Stage2	Hea	it 1		$\sim$	Accept without check
Sophia ASMUS 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NAME		PLATE	PLACE PC	LAP DINTS TIME	TOTAL POINTS	SPLIT TIME	PENALTY MM:SS	Accept
ace Comment  Accord  A		Sophia ASMUS	3	• •	0 0.000	0	0.000	0:00	Read Back
Rec       Next         Previous       Case         Race Comment       Case         Intervious       Case         Race Comment       Anto Accept         Anto Accept       Anto Accept         Stopwatch Prop up       Auto Accept         Stopwatch Prop up       Auto Accept         Auto DND DMF       Auto Race PT Time         Stopwatch Prop up       Auto DND DMF         Select Auto Import Transponder Passings Files       Import Now         Passings File 1       Crit@PMPassingStart-2(Start-2.txt)         Passings File 2       Crit@PMPassingStart-2(Start-2.txt)								$\smile$	Clear
Auto Accept Auto Sore Orek									Race
Auto Broot Transponder Passings Files Passings File 2 CVERMPassings File 2 CVERMPass									Provinue
ace Connent  ace Connent  ace Connent  ace Connent  ace Connent  Antipage Import  annoor Now  Settrags Review Passings Lap Time  Auto Accept  Auto A									Class
ace Comment  ace Comment ace Comment ace Comment ace Comment ace Comment ace Comment ace Comment ace Comment ace Comment ace Comment ac									
Auto Import     Auto Import     Inor Fine Score Check     Auto Run Round     Auto Ru									Race
Selct Alu Inport Transported Passings Files CVBMPassings/Start-2(Start-2.bit Unite Linx) Experimental Start-2(Start-2.bit Unite Linx) Experimental Start-2(S	Race Com Transpont	iment der and Camera Control Import Import Now	Settings	Review Passings	Lap Time	Auto J	Accept		Race       Next on Accept       Anticipate DNS       Set Place by Time       Stopwatch Pop up       Auto Read Back       Auto Process Stage
Passings File 1 C19bth (Passings File 1 C19bth (Passings File 1 C19bth (Passings File 2 C18bth (Passin	Race Com Transpont	iment der and Camera Control Import Import Now	Settings	Review Passings	Lap Time	Auto J Auto I Auto I	Accept NS DNF mport	☑ 15 min F	Race Next on Accept Articipate DNS Set Place by Time Stopweth Pop up Auto Read Back Auto Process Stage mish to Score Check
Passings File 2 C/BEM/Passings/Finish-2/Finish-2.bt Riders Sorted by @ Plate Auto Print Report Selection	Race Com Transpont Single Select A	errent der and Camera Control Emport Import Now uto Import Transponder Passings File:	Settings	Review Passings	Lap Time	V Auto / V Auto I V Auto I V Auto J	Accept INS DNF mport tun Round	☑ 15 min F	Race
Auto Print Report Selection	Race Com Transpont Single Select A Pass	Import Import Now Uto Import Transponder Passings File sings File 1 C18EPH/Passings Sta	Settings s art-2\Start-2.txt	Review Passings	Lap Time	V Auto / V Auto I V Auto I V Auto F	kccept NS DNF mport tun Round	V 15 min F	Race  Race R
China and a second secon	Race Com Transpon Single Select A Pass	ament Import Import Now uto Import Transponder Passings File angs File 1 C-19EM/Passings Fil angs File 2 C-19EM/Passings Fir	Settings s art-2\Start-2.txt sish-2\Finish-2.txt	Review Passings	Lap Time	V Auto / V Auto I V Auto I V Auto I	kccept NS DNF mport tun Round	U 15 min F	Race  Rect on Accept  Anticipate DNS  Set Place by Time  Set Place by Time Auto Read Back  Auto Read Back  Auto Read Back  Auto Read Back  Rect Strate Day  Rec

To enter a penalty time, click on the penalty time box which will open the following dialog where the penalty time and a short description of the penalty is entered.

Enter Resul	ts: Example Enduro Event							×
Event	TS2-1							Exit
Class	Women Elite	Stage	Stage2	Heat	1			Accept without check
NAME		PLATE	PLACE POINTS	LAP TIME	TOTAL POINTS	SPLIT TIME	PENALTY MM:SS	Accept
	Sophia ASMUS	3	- ~ 0	0.000	0	0.000	0:00	Read Back
		Pen	lty Time			×		Clear
		Pene	ity nine			Â		Next
		E	nter penalty time for ophia ASMUS		ОК			Previous
			ato: "Accept" required	in Results	Cancel			Class
		E	ntry to save the penalty	time and		_		Race
			300					Next on Accept
Race Com	ment		Minutes Seconds	;				Anticipate DNS
			0 . 20					Set Place by Time
			0:30					Stopwatch Pop up
Transpond	ler and Camera Control		▲ ▲					Auto Read Back
Single	Import Import Now	Settings	• •			NF		Auto Process Stage
							🗹 15 min Fi	nish to Score Check
		E	nter the reason for the	penalty		pund		
Select Au	Ito Import Transponder Passings Files		Cut Track				Do pot col	nx LIF on Accept
Pass	ings File 1 C: \BEM\Passings\Star	rt-2\start-2.					what this	option does!
Passi	ngs File 2 C: \BEM\Passings\Fini	sh-2\Finish-2.txt						Riders Sorted by
Auto Print	Penort Selection							Plate
Auto Print	Report Selection							O Moto Points
Auto Results,	Each Race	ach Race	0 Results, Each Class	1 Run	Off +	0 Class	Next Stage	() Name