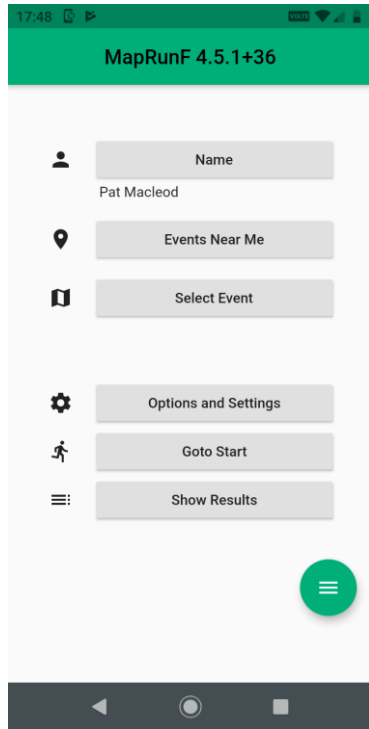




MAPRUN – GPS Orienteering



MAPRUN GLOUCESTERSHIRE

scale 1:5000, contours 10m
200m

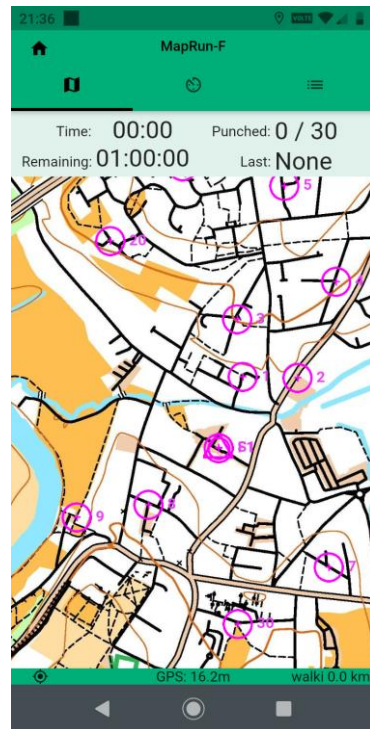
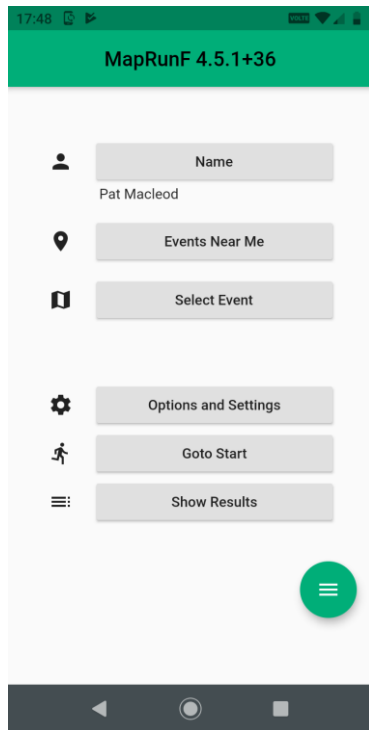




MAPRUN – GPS Orienteering



Developed by Peter Effeney, Ugly Gully Orienteers, Brisbane
Funded by Australian Sports Commission and Foundation, free to use



MAPRUN GLOUCESTERSHIRE





MAPRUN –
GPS Orienteering



OBJECTIVES

- Outline what Maprun is and how it works
- Explain the different modes of use:
 - Personal – Quickstart
 - Shared Group – Checksites
 - Events – MaprunF
- Demonstrate a few features
- Summarise how to get started
 - Course planning
 - Event preparation
- The Local Administrator role
- NGOC experiences with Maprun

- Why maprun?
 - It's easy
 - It requires no infrastructure
 - It might appeal to those put off by the O word
 - It's good fun

MAPRUN GLOUCESTERSHIRE

scale 1:5000, contours 10m
200m





MAPRUN –
GPS Orienteering



Maprun/MaprunF

- MyOMaps > Maprun > MaprunF
- 3700 courses worldwide
- 1500-2000 runs per month
- About 80 Local administrators
- UK one of the largest users

- Download the app
- Select an event and download it
- Go and run it
- Phone records track and punches

- Event remains on the system and on your phone until deleted.

MAPRUN GLOUCESTERSHIRE

scale 1:5000, contours 10m
200m





MAPRUN –
GPS Orienteering



Maprun Modes

- **Personal**
 - Quickstart
 - KMZ map generation
- **Shared/Group/Test**
 - Check Sites
- **Events – foot, bike, trail**
 - Linear
 - Score
 - Scatter

MAPRUN GLOUCESTERSHIRE

scale 1:5000, contours 10m
200m





MAPRUN –
GPS Orienteering



Personal use - Quickstart

- Run from home
- Create map files for personal or published use
- Create your own courses
- Modify them

- KMZ File creation

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scale 1:5000, contours 10m
200m





MAPRUN –
GPS Orienteering



Personal + Group use – Check Sites

- Intended as a checking tool
- Usable as a group course facility
- Requires a map, but course optional

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scale 1:5000, contours 10m
200m





MAPRUN –
GPS Orienteering



Public use – Event

- Types
 - Linear
 - Score
 - Scatter
- Published by an LA
- Have full results and tracks
- Remain on the system until deleted by an LA
- Can't be modified
 - Have a fixed format to ensure fair competition
- Ideal for GPSO/VOCs

MAPRUN GLOUCESTERSHIRE

scale 1:5000, contours 10m
200m





MAPRUN –
GPS Orienteering



Getting Started

- Evolve from QS/CS or
- **Choose a map source**
 - Create the map - KMZ
 - Create the course - KML
 - Check these files in Google Earth
 - Agree the event format and settings
 - Publish
 - Stage
 - Create VOC

MAPRUN GLOUCESTERSHIRE

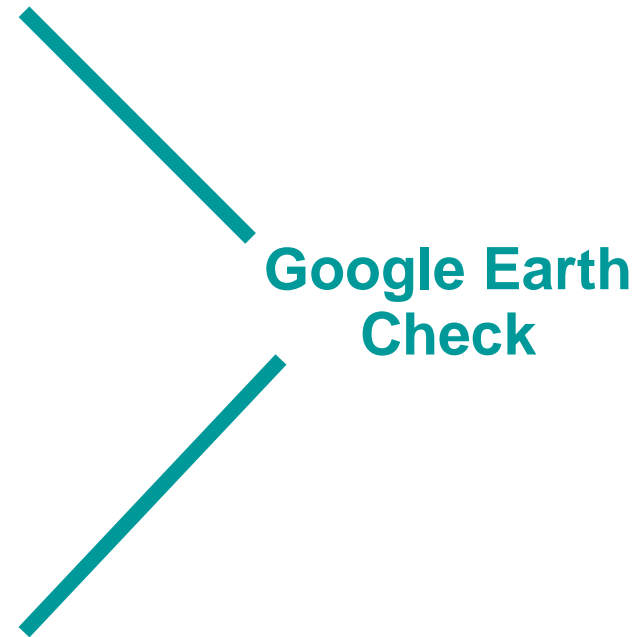
scale 1:5000, contours 10m
200m





Map sources

Map Source	Map - KMZ	Course - KML
OCAD	KMZ export	OCAD CS or Purple Pen or Google Earth
OOMap	KMZ export*	KML export or Google Earth
OOMapper	JPG export** + Maprun KMZ utility	Google Earth or Purple Pen***
Raster maps, eg MAPC2MAPC	JPG export** + Maprun KMZ utility	Google Earth
MaprunF	KMZ generator	Google Earth
DIY	Tool dependent	Google earth



* KMZ is not tiled – not generally an issue for OOMap KMZs

** Probably needs CRS change

*** Only if the OOMapper map is geo-referenced to UTM

??Condes??





Event Considerations - 1

- Type – Linear, Score, Scatter
- KMZ can be called anything, but
- KML file name determines:
 - What the runner selects to download
 - Type of event
 - Scoring/Scatter scheme, if appropriate
 - PIN Protection, if appropriate
 - (Start Anywhere)

Caldicot 2020 PZ1908012020 PXAS

ScoreN60

Event name

PIN protected until
19:00 on 8 Jan 20

60 minute
score,
N scheme

Auto-punching

Maprun Event PXAC

Simple linear event/course

NB – NO Underscores in file names





Event Considerations - 2

- Options and Settings
- Preferences

Setting	Options	User enabled
Start Anywhere	NO YES	NA
Display location	NO YES	NO YES
Display track	NO YES	NO YES
Punch tolerance	3-50 (15)	NO
Allow revised results	NO YES	NA
Live tracking	NO YES	NO YES





**MAPRUN –
GPS Orienteering**



Publication

- Published by your local administrator

The Local Administrator

- Helps planners with course preparation
- Administers your club event folder structure
- Loads events
- Can delete results and events
- The role is pretty similar to the club RG2 role!





MAPRUN –
GPS Orienteering



Maprun Gloucestershire

- A separate website from ngoc.org.uk, with its own style
- Aimed as much at non- but maybe- orienteers as it is at the regular club midweek competitors
- Host for our mid-week series, though still debating whether we should intermix maprun and SIAC events in the Summer
- Also host for our 'permanent' GPSO courses
- Has its own facebook page
- Provides a platform for a variety of maprun courses, but almost always with a clear focus on navigation

MAPRUN GLOUCESTERSHIRE

scale 1:5000, contours 10m
200m





**MAPRUN –
GPS Orienteering**



Resources

- <http://maprunners.weebly.com/> - the maprun website, includes pages on event and scoring types, hints on phone setup etc
- <https://youtu.be/OhMX6qyFNAQ> - Peter Effeney video on Quickstart and KMZ map creation
- <https://youtu.be/cLpkLMPvBSM> - getting started video by Mark Clews, POTO
- <http://maprunners.weebly.com/forum.html> - new forum for maprunners
- Local Administrators
- My Maprun Course setup notes – [My dropbox](#)
- Email – maprun@ngoc.org.uk

and finally, this is all free software, so consider donations

MAPRUN GLOUCESTERSHIRE

scale 1:5000, contours 10m
200m

