



WALES RALLY GB

A WORLD APART

3-6 OCTOBER 2019



RALLY GUIDE 2

WALESRALLYGB.COM



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WARNING MOTORSPORT CAN BE DANGEROUS

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Forms

All Forms can be found in the Competitors section of www.walesrallygb.com

This document has no regulatory power. It is for information only.

1 Welcome

Fel Gweinidog Cysylltiadau Rhyngwladol, mae'n bleser mawr gen i eich croesawu i Rali Cymru GB 2019.

Gan mai dyma ran Prydain o Daith Fyd-eang, mae'r Rali yn amlwg iawn ym mhorthffolio Llywodraeth Cymru o ddigwyddiadau rhyngwladol sy'n cael eu cefnogi, gan godi proffil Cymru dramor, a hanes Cymru yn y maes moduro. Rydym yn croesawu'r ffaith bod y digwyddiad cyffrous hwn yn denu timau, cystadleuwyr unigol a gwylwyr ledled y byd, a hefyd yn cyrraedd cynulleidfaoedd teledu rhyngwladol drwy raglenni'r uchafbwyntiau sy'n cael eu darlledu ledled y byd. Wrth iddi deithio eleni ledled canolbarth a gogledd Cymru, bydd Rali Cymru GB, unwaith eto, yn dangos tirwedd gwych Cymru, gan dynnu sylw at y trefi a'r pentrefi ar hyd y ffordd, a chyrraedd yr uchafbwynt yn Llandudno, ble y bydd safle newydd y Parc Gwasanaethu yn cynnig canolfan addas i wylwyr lleol ac ymwelwyr. Pob lwc i'r rhai sy'n cystadlu yn yr hyn a fydd yn ddyddiau cyffrous iawn dwi'n siŵr, a dwi'n gwahodd y gwylwyr hynny sy'n ymweld â Chymru ar gyfer y digwyddiad i wneud y mwyaf o'u hamser yma, ac, wrth gwrs, i ymweld â ni eto yn fuan.



Eluned Morgan
Gweinidog Cysylltiadau Rhyngwladol Llywodraeth Cymru

As Minister for International Relations, it gives me particular pleasure to be able to welcome you to the 2019 Wales Rally GB.

Because it is the UK leg of a World Series, the Rally is prominent in Welsh Government's portfolio of supported international events and plays a key role in raising Wales' profile overseas, whilst drawing upon Wales's impressive motorsports heritage. We welcome the fact that this exciting event attracts teams, individual competitors and spectators from all over the world and also reaches international TV audiences through the highlights programmes broadcast across a range of overseas markets. As it travels, this year, across mid and north Wales, Wales Rally GB will, once again, showcase stunning Welsh landscapes, highlighting towns and villages along the way and reaching its finale in the centre of Llandudno, where a brand new site for the Service Park will provide a new spectator-friendly hub for locals and visitors to enjoy. I'd like to wish all competitors the best of luck for what I am sure will be a thrilling few days and invite those spectators who are visiting Wales for the event to make the most of their time here and, of course, visit us again soon.

Eluned Morgan
Minister for International Relations in the Welsh Government

A very warm welcome to Wales Rally GB, Britain's round of the FIA World Rally Championship.

Last year, the event was one of the biggest and best yet, with over 94,000 people visiting the four-day event. After many years of Motorsport UK and the motorsport community campaigning for closed-road motorsport, we witnessed a spectacular final stage that saw the rally win go right down to the wire – with dramatic action on the picturesque Great Orme and a showdown finish on the streets of Llandudno in front of tens of thousands of fans. That win for Sebastien Ogier and Julian Ingrassia made history, as the French crew lifted the stunning Peall Trophy for a record-breaking fifth time.



This year, the event has seen a refreshing rebrand, the introduction of a host of exciting new initiatives, along with some iconic favourites that will make this year's rally feel like 'A World Apart'.

The bustling Rally Village will move to the heart of Llandudno and a new street stage, along Colwyn Bay promenade on Saturday evening, will bring rallying to the wider public. We must thank our host county, Conwy County Borough Council, for their continued support in sharing our vision and helping to make it all happen.

The 2019 event will get underway with a showpiece Ceremonial Start on Liverpool's iconic Waterfront while Oulton Park will open the competitive proceedings on Thursday evening, with the famous motorsport venue hosting the event for the first time in 26 years. The journey to the Llandudno Ceremonial Finish over the following three days will take crews through some of the legendary Welsh forests, with several run under darkness, adding a fantastic spectacle for competitors and spectators alike.

None of this would be possible without the long-standing support of the Welsh Government and our event supporters. I would like to wish you a safe and enjoyable event and thank you for your support of the 2019 edition of Wales Rally GB.

With best wishes,

David Richards CBE
Chairman
Motorsport UK

1.1 Changes for 2019

- Wales Rally GB will again be based in North Wales but the Service Park and Rally HQ will be relocated to Llandudno. A mixture of car parks and closed roads around Rally HQ will be used to provide the Service Park.
- Reconnaissance will take place on Tuesday and Wednesday.
- The rally will commence on Thursday with the Start in the centre of Liverpool before a spectator stage at the Oulton Park race circuit which will be preceded by an autograph session for invited drivers.
- Friday's stages will be in the north of Wales with a return to service during the day. The final stage of the day will be run in darkness for all cars and a Light Fitting Zone will be provided.
- Saturday will utilise the traditional mid Wales stages with a Regroup and Tyre Fitting Zone in Newtown.
- There will be a return to service on Sunday following the running of the Great Orme stage.
- The finish podium will be located in Llandudno.

Changes to the Special Stages from previous years:

Thursday 3 October

- Shakedown will be in Gwydir forest using a part of the 2018 stage route.
- There will be a new spectator stage at Oulton Park race circuit which will use a mixture of asphalt and gravel roads.

Friday 4 October

- Elsi will be run in the reverse direction to 2018.
- Penmachno will use the same route as last year but with a new finish.
- Dyfnant and Aberhirnant will use similar routes to those used in 2016. The second use of Aberhirnant will take place in the dark for all cars.
- The short Slate Mountain spectator stage will be used once to a different route to last year.

Saturday 5 October

- Dyfi will run to the same route that was used in 2017.
- Myherin will use a shorter version of the 2016 stage route. The stage is shortened to create a suitable length for live TV coverage.
- Sweet Lamb Hafren uses an extended version of the 2018 route by adding sections that were used in 2017.
- Colwyn Bay is the second of the two new stages on this year's event. The stage is a short asphalt section along the seafront.

Sunday 6 October

- Alwen and Brenig (Power Stage) will run to the same routes that were used in 2017.
- The Great Orme stage will be a shorter version than last year and will follow the 2015 route.

WRGB National Rally

The popular WRGB National Rally will give crews in Motorsport UK regulation compliant vehicles

the chance to compete on the Friday and Saturday stages with their own finishing ceremony in the Llandudno Service Park on Saturday afternoon. There will be 8 special stages offering 85 competitive miles.

1.2 Environmental Sustainability

As part of the FIA Environmental Sustainability Programme, Wales Rally GB's goal is to continue to make the event more sustainable, working both internally and externally to ensure that our event impacts on the environment as little as possible.

This is an ongoing process and includes provisions on special stages, in the Rally Village and through our general administration tasks. Specific aims for this year are as follows;

- Reduce the number of printed documents - Rally Guide 1 and the Supplementary Regulations will be available only on the website. Rally Guide 2 and the Road Book will be printed but also published on our website.
- Minimise the number of printed tickets and other rally documents.
- Minimise the amount of fuel used by officials working on the event.

1.3 Wales Rally GB Environmental Policy

The organiser of Wales Rally GB, Motorsport UK, is committed to the protection of the environment and minimising the social, cultural and environmental impacts of all stages of the Rally and its associated activities. Through the implementation of its Environmental Management System, Motorsport UK is committed to achieving the following objectives:

- Promote good sustainability practice throughout the planning and delivery of the event as far as is reasonably practical, and to help our clients, partners and suppliers do the same.
- Ensure full commitment at senior management level and responsibilities for environmental and sustainability objectives are assigned throughout the organisation.
- Promote continual improvements in environmental performance by the setting and reviewing of Annual Environmental Aims and the undertaking of regular senior management reviews.
- Provide information, training or consultation with relevant stakeholders to enable them to carry out their environmental responsibilities, and to encourage an atmosphere of transparency and knowledge sharing.
- Understand and ensure that all legal requirements relating to the environment are met or exceed, and where possible all industry best practice (such as the FIA Institute Environmental Accreditation Guidelines) is followed where reasonably practicable.
- Monitor and report environmental performance against environmental objectives.
- Continually review environmental impact assessments in order to inform environmental policy and procedures.
- Ensure environmental performance and the administration of the Environmental Management System is audited transparently and independently.
- Where possible, procure services and materials, which are environmentally certified, locally sourced, or reusable/recyclable.
- Reduce consumption of energy, water and fuel, where possible.
- Manage and reduce waste and promote recycling, where possible.
- Minimise the impacts on noise, air quality, biodiversity and cultural heritage, where possible.

2 Contact Details

2.1 Permanent Contact Details

Wales Rally GB	Telephone:	+44 (0)1753 765000
Motorsport UK House	Email:	rallyoffice@walesrallygb.com
Riverside Park	Website:	www.walesrallygb.com
Colnbrook	Facebook:	www.facebook.com/walesrallygb
SL3 0HG	Twitter:	@WalesRallyGB

2.2 Key Officials

Clerk of the Course	Iain Campbell	icampbell@walesrallygb.com
Event Co-ordinator	Andrew Kellitt	akellitt@walesrallygb.com
Deputy Clerk of the Course	Andy Jardine	ajardine@walesrallygb.com
	Andy Smith	asmith@walesrallygb.com
Assistant Clerk of the Course	Keith Ashley	kashley@walesrallygb.com
Assistant Clerk of the Course	Alyn Edwards	aedwards@walesrallygb.com
Secretary to the Event	Penny Harvey	pharvey@walesrallygb.com
Environmental Champion	Alun Pritchard	sustainability@walesrallygb.com

2.3 Rally Headquarters

Rally Headquarters will be operational from Monday 30 September to Sunday 6 October.

Wales Rally GB Rally HQ	Telephone: +44(0)1244 309900
Venue Cymru	Email: rallyoffice@walesrallygb.com
Promenade	
Llandudno	
LL30 1BB	

The Official Notice Board will be located in the Rally Office at Venue Cymru.

2.4 Media Contact Details

Jonathan Gill
National Press Officer - Wales Rally GB

Telephone: +44 (0)7860 563000
Email: media@walesrallygb.com

3 Programme and Critical Deadlines

3.1 Schedule Before the Rally Week

Wednesday 31st July
Supplementary Regulations published. Entries open
Wednesday 7 August
Media accreditation opens
Tuesday 3 September
Closing Date for entries
Wednesday 4 September
Closing Date for UK Print Media, Internet Media, Radio & photographers Media Accreditation
Friday 6 September
Road Books, Route Map and Rally Guide 2 available
Wednesday 11 September
Closing Date for International Print Media & Photographer Accreditation
Thursday 12 September
Closing date for FIA fuel orders (Article 8)
Monday 16 September
Closing date for Service Park orders (form available at www.walesrallygb.com)
Monday 23 September
Closing date for submission of risk assessments and work method statements by all Manufacturers

3.2 Schedule During the Rally Week

Monday 30 September		
09.00	Service Park opens (Manufacturer Teams access times by prior agreement)	Llandudno
12.00 – 19.00	Rally Office open	Venue Cymru, Llandudno
14.00 – 17.00	Collection of reconnaissance trackers	SAS Workshop, Service Park
14.00 – 19.00	Reconnaissance registration (all drivers)	Rally Office, Venue Cymru
14.00 – 19.00	Administrative checks (P2, P2P, P3 & Non Priority)	Rally Office, Venue Cymru
14.00 – 19.00	Collection of materials and documents	Rally Office, Venue Cymru
14.00 – 19.00	Media Accreditation (for Recce only)	Rally Office, Venue Cymru
Tuesday 1 October		
07.30 – 18.50	Reconnaissance – Day 1	Details - Appendix 2

09.00 – 18.00	Rally Office open	Venue Cymru, Llandudno
09.00 – 18.00	Administrative Checks for P1 Drivers	Rally Office, Venue Cymru
14.00 – 18.00	Media Accreditation open	Rally Office, Venue Cymru
14.00 – 18.00	Media Centre open	Media Centre, Rally HQ
15.00 – 19.00	Collection of FIA WRC Safety Trackers	SAS Workshop, Service Park
Wednesday 2 October		
07.30 – 16.00	Reconnaissance – Day 2	Details - Appendix 2
08.00 – 20.00	Media Centre open	Media Centre, Rally HQ
08.00 – 20.30	Rally Office open	Venue Cymru, Llandudno
09.00 – 14.00	Administrative Checks for P1 Drivers	Rally Office, Venue Cymru
09.00 – 19.00	Media Accreditation open	Rally Office, Venue Cymru
10.00 – 13.00	Sealing and Marking for Manufacturers	Service Park, Llandudno
13.00 – 14.00	Weight and sound checks for Manufacturers	Service Park, Llandudno
15.00	Publication of Start List for Shakedown (P1 & P2P drivers)	Rally Office, Venue Cymru
15.00 – 20.00	Scrutineering / Component Sealing for P2, P2P, P3 & Non Priority drivers	North Wales Honda, Mostyn Broadway, Llandudno LL30 1YR
16.00	Team Managers' meeting (Manufacturer Teams)	Venue Cymru, Llandudno
16.00 – 19.00	Return of reconnaissance trackers	SAS Workshop, Service Park
19.00	FIA Photographers safety briefing	Photographers Room, Rally HQ
20.00	Drivers' Safety Briefing (Invited Drivers)	Rally HQ, Venue Cymru
Thursday 3 October		
07.00 – 22.00	Media Centre open	Media Centre, Rally HQ
07.00 – 22.30	Rally Office open	Venue Cymru, Llandudno
08.00 – 18.00	Media Accreditation open	Rally Office, Venue Cymru
08.00 – 09.30	Shakedown for P1 & P2P drivers	Gwydir Forest
09.30 – 10.30	Shakedown for all FIA Priority drivers	Gwydir Forest
10.30 – 11.30	Shakedown for all drivers	Gwydir Forest
11.00	Meet the Crews session	Service Park, Llandudno
11.30	FIA Pre Event Press Conference	Media Centre, Rally HQ
12.00	Publication of Start Lists for Section 1 & 2	Rally Office, Venue Cymru

12.30 - 13.00	Priority drivers leave for Start Holding area	Service Park, Llandudno
13.00 - 13.30	Non Priority drivers leave for Start Holding area	Service Park, Llandudno
15.00	All cars must be in place at the Pre-Start area	Liverpool Waterfront
16.00	Start of Section 1	Liverpool Waterfront
18.10 - 18.40	Autograph session (Invited drivers)	Oulton Park
Friday 4 October		
05.55 – 00.45	Rally Office open	Venue Cymru, Llandudno
06.10	Start of Section 2	Service Park, Llandudno
06.45 – 22.30	Media Centre open	Media Centre, Rally HQ
22.00	Publication of Start List for Section 5 (Saturday)	Rally Office, Venue Cymru
Saturday 5 October		
00.30	All cars must be in Parc Fermé (except Rally 2)	Service Park, Llandudno
05.25 – 23.00	Rally Office open	Venue Cymru, Llandudno
05.40	Start of Section 5	Service Park, Llandudno
07.30 – 22.00	Media Centre open	Media Centre, Rally HQ
22.00	Publication of Start List for Section 7 (Sunday)	Rally Office, Venue Cymru
22.45	All cars must be in Parc Fermé (except Rally 2)	Service Park, Llandudno
Sunday 6 October		
05.45 – 20.00	Rally Office open	Venue Cymru, Llandudno
06.00	Start of Section 7	Service Park, Llandudno
07.00 – 21.00	Media Centre open	Media Centre, Rally HQ
13.30	Finish of Rally	Llandudno
14.15	Podium & Prize-giving	Llandudno
15.00	Final Scrutineering	North Wales Honda, Mostyn Broadway, Llandudno LL30 1YR
15.30	FIA Press Conference	Media Centre, Rally HQ
17.00	FIA WRC Safety Trackers must be returned	SAS Workshop, Service Park
17.30	Publication of provisional final classification	Rally Office, Venue Cymru
20.00	All cars must be removed from Parc Fermé	Service Park, Llandudno

4

Entry Details

4.1 Entry Packages

Manufacturers, WRC 2 Pro & WRC2 entries – See Appendix VI of the FIA WRC Sporting Regulations.
Other entries:

	Others	Private entrants
Vehicle Plates		
Service	2	2
Auxiliary	1	0
Passes		
Guest	12	10
Service	10	6
Administration		
Road Book	3 (1)	1 (1)
Rally Guide 2	2 (1)	2 (1)
Route Map	4 (2)	2 (2)
Official Programme	4	4
Service Park Area	10 x 10m	10 x 10m
() Number of copies to be mailed/couriered to the Team Manager		

5

Service Park

5.1 Location

The Service Park will be located in the area next to Venue Cymru, Promenade, Llandudno LL30 1BB.

The GPS reference is N53 19.365 W3 49.186. The surface is predominantly asphalt.

The Service Park will be open from 09.00 Monday 30 September. Earlier access may be possible by prior arrangement with the organisers. Security will be provided on site from Monday 30 September until Monday 7 October.

If you require any additional private security on site please contact the Rally Office.

5.2 Opening Hours and Parking

The service park will be open to spectators at the following times;

Thursday 3 October	09.00 - 22.00
Friday 4 October	09.00 - 23.00
Saturday 5 October	09.00 - 23.00
Sunday 6 October	09.00 - 14.00

Teams will be permitted to enter the service park outside these times on production of their Competitor/Service passes.

During the rally only vehicles with Service and Auxiliary passes will be permitted to access the service park. Auxiliary vehicles may only enter the service park to bring or collect personnel and/ or equipment. Private teams will not be given any auxiliary plates.

All trailers and tractor units must be removed to the dedicated truck parking area outside the

service park.

Parking for Auxiliary, Tabard Media, Media and Officials will be located in a car park approximately 750 metres from the service park; a shuttle bus will operate between the two locations.

5.3 Health & Safety Requirements

During the Construction and Demolition Phases of the Service Park, as in 2018, the site will be classed as a Construction Design Management (CDM) site and as such will be controlled by the strict Health and Safety Legislation laid down by the UK Health and Safety Executive for a site of that categorisation. Full details of these regulations, and guidance notes, can be found at:

- <http://www.hse.gov.uk/construction/cdm/2015/index.htm> and
- <http://www.hse.gov.uk/pubns/books/l153.htm>

All contractors, including competing teams, who are on site during these periods whether in the process of constructing their individual service areas or indeed any other construction activity will have to provide the Principal Contractor, in this case Motorsport UK, with evidence of their appropriate approach to the UK Health and Safety Legislation. This will be established by completing a Pre-Qualification Questionnaire (PQQ) which must be completed, presented and accepted by the Principal Contractor prior to them being allowed on site. The PQQ will be supplied to all relevant contractors / teams in due course. It should also be noted that all personnel entering the site whilst the CDM legislation applies must be inducted. They will be informed of site rules and specific hazards they may encounter whilst on site. On completion they will be provided with a wrist band to prove this process has taken place. This wrist band must be worn at all times whilst on site during the relevant periods and may be inspected by the Service Park Management Team and Security officers. Anyone observed not wearing a wrist band will be required to leave the site.

Working at Height

Over a period of years the one area of activity where contractors / teams present on site have regularly been observed operating in an unsafe manner is whilst working at height. Often these activities occur whilst assembling / disassembling constructions or when awnings / canopies are being attached to trucks roofs etc.

Falls from height accidents give rise to the greatest number of fatalities and serious injuries from any activity in the UK construction industry and consequently the Health and Safety Executive and Motorsport UK adopt a zero-tolerance approach to breaches of the relevant legislation. Any contractor seen operating in an unsafe manner will be prevented from continuing their activity until the situation is resolved. Details regarding the relevant legislation for working at height and further guidance links can be found at;

<http://www.hse.gov.uk/work-at-height/the-law.htm>

As the constructions on site are temporary, permanent edge protection is unlikely to be an option. Consequently, the use of mobile elevated platforms, temporary scaffolds, towers etc. are a more likely option. Very often though, especially on truck roofs, the only feasible option is the use of a safety harness. If your risk assessment establishes this is the case then the provision of a suitable and sufficiently strong anchor point is of paramount importance. As a result modifications to the roof to facilitate this may be necessary.

Sourcing the appropriate fall arrest harness and associated equipment based on prior assessment will be necessary. Suppliers of the equipment may be able to assist with this process. Any personnel

utilising the equipment must have had appropriate training. Emergency procedures for rescuing operators suspended in the harness after a fall must also be in place. Trained personnel with the appropriate equipment to facilitate this rescue must be available during any period whilst the operator(s) utilising harnesses are working at height.

Further information regarding working at height and the use of safety harnesses can be found in these HSE publication links:

- *Health and Safety in Construction – Working at Height Page 22 and Specifically Safety Harnesses Page 41.* <http://www.hse.gov.uk/pubns/priced/hsg150.pdf>
- *Inspection of Fall Arrest Equipment.* <http://www.hse.gov.uk/pubns/indg367.pdf>

If you have any queries with regard to any of the above contact the Service Park Health and Safety Officer Rodger Jenkins - rodger@synergysl.com

5.4 Facilities

The following facilities will be provided at various points around the service park:

- Toilets
- Waste Removal / Hazardous Waste Collection
- Water (Direct supply to Manufacturers and WRC Teams, general outlets for others)
- Lighting
- Wi-Fi - Access details will be provided by the on site Rally Office
- Car Wash (Not located within the service park)

The following can be provided through the organisers;

- Private Toilets (Manufacturers will be provided as per WRC regulations)
- Waste Removal
- Private Water Supply (May be available, MUST be booked in advance)
- Power Supply (see below)
- Ballast
- Additional security services
- Forklift services
- Crowd barriers / fencing
- Extra service area space

All teams (except Manufacturers) will be allocated a service area space of 10m x 10m. Space within the Service Park is extremely limited and the maximum 10 metres depth cannot be extended. Additional width of service space may be available, dependent on requirements, at a cost of £10 per extra sq. metre + VAT.

Applications for additional facilities or service space must be submitted by Monday 16 September.

5.5 Power

Generators are permitted in the Service Park however these must be super silent diesel or LPG. Generators must be fenced off to restrict access to competent personnel only.

NO PETROL GENERATORS ARE PERMITTED ON THE SITE AT ANY TIME

5.6 Traffic Movements

The traffic flow direction shown on the service park layout must be respected at all times by

competitors and their service / auxiliary vehicles.

Teams may bring their service/auxiliary and recce car vehicles into the service park, as long as they can park them within their designated area. Otherwise these vehicles must be taken to the auxiliary parking located close to the service park. Any parking of team vehicles outside their designated area in the service park is strictly prohibited.

5.7 Environmental Requirements

A car wash facility will be available near the Service Park. Washing cars within the service park is prohibited at any time. Wheels and other parts may be washed in the designated wash bays set up within the service park.

All competitors must put in place a suitable size plastic ground sheet to cover the whole area where service work is being carried out. This ground sheet must be impervious to all fluids. Cleaning of the ground sheets must be done so that no materials are allowed to come into contact with the ground surface. All waste material must be disposed of in the facilities provided at the service park.

5.8 Service Park Manager

For further additional information please contact the Service Park Manager - Steve Cridge;

Tel: +44(0)7786 005 537

Email: steve.cridge@wrgb.co.uk

The new service park location in Llandudno poses different logistical challenges to previous years so please let Steve know of any special requests as soon as possible and well in advance of the cut off dates (particularly for additional space). This will greatly assist with the planning of the site. Please contact Steve on the email address above should you have any queries or problems.

5.9 Recovery of Retired Cars

Competitors should contact Rally HQ to make arrangements for the recovery of their car.

Telephone: +44(0)1244 309910

5.10 Retirements and Re-Starts

See Article 46 of the FIA WRC Regulations.

Competitors who retire will be assumed to restart the rally at the next section following an overnight halt. A competitor who has retired and does not wish to re-start must notify the organisers as soon as possible using the form in the road book.

5.11 Tyre & Light Fitting Zones

Friday 4 October

There will be a light fitting zone in Blaenau Ffestiniog. FIA WRC Sporting Regulations Article 52.2 will apply at this light fitting zone.

Saturday 5 October

There will be a tyre fitting zone in Newtown. FIA WRC Sporting Regulations Article 52.1 will apply at this tyre fitting zone.

There will be a light fitting zone before SS 17 Colwyn Bay at Parc Eirias, Colwyn Bay. FIA WRC Sporting Regulations Article 52.2 will apply at this light fitting zone.

6 Two-way Radio

6.1 Application Procedure

Ofcom is the regulator for the UK communications industries, with responsibilities across television, radio, telecommunications and wireless communications services. Any radio equipment used by a competitor and/or the associated support teams in the UK, must be covered by a licence issued by Ofcom.

Its operation must be strictly within the terms and conditions of the licence. The installation or use of equipment without a licence, or outside the terms, renders the operator/installer liable to prosecution. Upon conviction the equipment is liable to forfeiture together with fines and/or imprisonment.

Programme Making and Special Events licences must be applied for as soon as possible and no later than 24th August. A licence application form can be found at the event website.

For further information, download license forms and assistance please contact;
Ofcom

PMSE Licensing

2nd Floor

Riverside House

2a Southwark Bridge Road

London

SE1 9HA

Telephone: +44 (0)20 7981 3803

Fax: +44 (0)20 7981 3235

Email: pmse@ofcom.org.uk

Website: www.ofcom.org.uk/pmse

6.2 Scrutineering

To ensure that illegal equipment (or unauthorised frequencies) are not used during the Rally, Ofcom staff may be inspecting competitors' radio equipment at the pre-event scrutineering and may also be present throughout the event itself to monitor and check radio equipment in the rally cars and service vehicles.

7 Tyres

7.1 Tyres specified or use during the rally

In addition to complying with Articles 60, 61 and 62 of the 2019 FIA WRC Sporting Regulations, the types of tyres accepted for use during Wales Rally GB will be issued in a Bulletin.

The maximum number of tyres used during the rally is;

- WRC Cars - 28 (6 changes x 4 tyres + 4 spares)
- All other cars - 26 (6 changes x 4 tyres + 2 spares)

In addition 4 tyres will be added for competitors taking part in the Shakedown.

All competitors are reminded of FIA WRC Art. 60.1.4:

Each tyre must have either;

- Two identical moulded barcode numbers (one on each side of the tyre / each barcode having a different colour as defined by the FIA) supplied by the 2019 FIA-approved barcode supplier, or;
- A single moulded barcode number supplied by the 2019 FIA-approved barcode supplier.

These barcodes will be used to check that the same tyres remain fitted to a particular car between

tyre changes and that competitors are not exceeding the maximum quantities allowed. The tyre barcode must always be visible from outside the car. **This regulation applies to all non priority drivers.**

8 Fuel

All FIA Priority drivers must use the FIA fuel. The supplier appointed by the FIA for 2019 is Total Additifs et Carburants Speciaux who will carry out fuel ordering, supply and refuel services.

Fuel orders must be completed online and competitors must first register with Total using the Customer Registration Form which can be found at www.walesrallygb.com.

The cost of the fuel including refuel services is €5.60 + VAT per litre.

8.2 Closing date for ordering FIA fuel

All competitors must place their fuel order no later than Thursday 12 September.

8.3 Distribution for Non-Priority drivers

Non Priority drivers may use either FIA fuel following the same conditions and rules as the Priority drivers, or commercially available pump fuel, dispensed only from pumps at filling stations or other locations marked in the Road Book. The distances between these filling stations may be different from those given in the Itinerary (Appendix 1).

All non-priority competitors using pump fuel are reminded to pay attention to FIA WRC, Art. 59.3.7: Cars equipped solely with FIA-specified refuel couplings and using fuel as per Art. 59.1.2 must transport the adaptor in the car and show it at pre-event scrutineering.

8.4 Refuelling prohibited in Service Park

For environmental and safety reasons NO refuelling is permitted at any time by any competitor within the Service Park (no refuelling from cans, drums or similar).

9 Helicopters

9.1 Procedure

Full details of the procedures regarding the flying of helicopters during Wales Rally GB will be available from the Rally Office and at the event website.

9.2 Drones

No drones are permitted to fly anywhere on the event, except those authorised by the WRC Promoter.

10 Spectator Tickets and Hospitality

10.1 Spectator Tickets

Passes and tickets are now on sale for the 2019 Wales Rally GB and, as before, the cheapest way to see the action is by buying your tickets in advance.

The premium four-day World Rally Pass (£119 + £4 delivery per transaction) provides the maximum flexibility and allows access to all Special Stages excluding the Oulton Park Special Stage which can be added on for £5. The World Rally Pass is sent by post as a hard pass that comes with a lanyard, a programme voucher and a car park pass. World Rally Pass holders will continue to enjoy free of charge parking at overnight locations (where available).

Friday and Sunday Day Passes are priced at £35 (£39 Saturday) and give access to all the stages on the selected day.

The action kicks off on Thursday evening with a Special Stage at Oulton Park race circuit near Chester. A full evening of entertainment is planned, with appearances from WRC legends and iconic vehicles, live music and DJs, historic rally displays and an autograph session which will be open to all spectators. General admission tickets are priced at £25. Access is via advance ticket only until 23:59 on Monday 30 September and will not be available for sale on the gate on the day.

Saturday evening's Special Stage is based on the seaside Promenade in Colwyn Bay. Tickets cost £15 per adult giving access to the street stage complete with chicanes, donuts, a hairpin and plenty of activities and entertainment for all the family. There is no dedicated event parking at this stage – parking charges in public car parks will apply.

Please note:

- When accompanied by a full-paying adult, children aged 15 and under go free.
- All adult tickets - whether purchased in advance or on the gate - include free parking. Parking charges may apply at the Great Orme. There is no dedicated parking in Colwyn Bay – parking charges will apply in public car parks. Availability at any car park will be on a first come, first served basis and is not guaranteed. Where overnight parking is permitted, a £10 charge per car / £20 per van/motorhome/caravan (cash only, payable on arrival) will apply for all vehicles arriving before 5am, except for World Rally Pass holders. Overnight car park locations and times will be available in the online Rally Planner.
- All adult tickets (with the exception of Oulton Park tickets) include a copy of the official programme priced at £9.
- Terms and conditions apply to all ticket prices.

How to buy tickets

- Online at www.walesrallygb.com
- Call +44 (0)1492 817113 open 10:00-17:00 Monday – Friday, closed Saturday and Sunday.

For the latest news and updates follow Wales Rally GB on Twitter @walesrallygb, join the conversation at facebook.com/walesrallygb or visit the website walesrallygb.com

10.2 Hospitality

Get a taste of the action! Maximise your rally fever with a choice of completely different hospitality packages that will ensure you get the most from your visit to Wales Rally GB.

Oulton Park

A full hospitality package at Oulton Park will be released shortly – please contact the Wales Rally GB team for more information at hospitality@walesrallygb.com or call +44 (0)1753 765105.

Rally Xtra @ Sweet Lamb - the authentic rally experience!

The action centres on the Sweet Lamb Rally Complex in the heart of mid-Wales, between Aberystwyth and Newtown. This purpose-made arena attracts huge crowds, drawn by the fantastic viewing opportunities that include a water splash and spectacular jumps. The sheltered facility is located just metres from the action.

Rally Xtra @ Colwyn Bay - the seaside rally experience!

Located at Porth Eirias in Colwyn Bay, catch the evening street stage along the Promenade with

the best views of the action

Rally Xtra @ Brenig - the lakeside rally experience!

Located on the shores of the picturesque Llyn Brenig reservoir, this stage will play host to this year's Wolf Power Stage. With views of the lake to one side, close proximity to rally action and the Power Stage podium, this is the perfect rally setting!

Pricing for Rally Xtra:

Adults £134 including VAT

Children aged 6 - 15 years £95 including VAT with children aged 5 and under going free. Due to limited space, pushchairs and highchairs are not permitted. Children aged 5 and under will be required to sit on an adult's lap.

Bespoke and discounted packages are also available.

For further information please call us +44 (0)1753 765105

E-mail: hospitality@walesrallygb.com and visit www.walesrallygb.com/tickets to book!

11 Accommodation

Wales Rally GB Accommodation Services has been appointed as the official accommodation provider for Wales Rally GB and would be delighted to help with accommodation requirements for the event organisers, competitors, media and spectators alike.

For further information please contact them directly via:

Tel: +44 (0)870 220 6039 Fax: +44 (0)161 492 1900

E-mail: enquiries@walesrallygbtravel.com

12 Reconnaissance

12.1 Registration

Registration for reconnaissance will take place as follows;

Monday 30 September 14.00 - 19.00

Rally Office, Venue Cymru, Llandudno

The registration and collection of materials for Priority 1 drivers can be completed by a team representative. All other drivers and co-drivers must be present at registration.

At registration a reconnaissance form containing details of the reconnaissance car and contact details must be submitted. This form can be submitted earlier to the Rally Office and will be available on the event website.

12.2 Reconnaissance GPS Trackers

All drivers must install a tracking system in their cars during reconnaissance (WRC Art 25.4.4).

The rental costs are;

P1 & P2 drivers €300+VAT

P3 & Non Priority drivers €130+VAT

Payment must be made with a credit card at collection.

These trackers will be available from the SAS workshop in the service park between 14.00 and 17.00 on Monday 30 September. These trackers must be returned to the SAS workshop between

16.00 and 19.00 on Wednesday 2 October.

12.3 Reconnaissance Procedures

A reconnaissance record card will be supplied which must be carried in the car for the duration of reconnaissance. This card will be stamped appropriately recording every run on each special stage. Failure to produce this card will result in refusal to participate in the reconnaissance.

Competitors will be issued with 3 reconnaissance numbers that must be fixed to the rear windscreen and rear side windows.

A reconnaissance road book will be supplied which will detail the routes to use between every stage during the reconnaissance; these will often not be the same as the main event road book. Competitors are required to follow these specific reconnaissance routes.

The fitting or carrying of radar detection equipment during reconnaissance is not permitted.

During reconnaissance, the organisers will set aside suitable areas on the route for competitors to service their reconnaissance cars, as in WRC Art 25.4.6. Competitors must not park reconnaissance service vehicles at locations other than those indicated in the relevant section of the Reconnaissance Book.

12.4 Reconnaissance only

Any driver wishing to take part in reconnaissance only will be required to complete the reconnaissance registration form that will be available on the event website. The fee for taking part in reconnaissance only is £960.

13 Scrutineering, Sealing & Marking

13.1 Location and Timetable

Wednesday 2 October

- 10.00 - 13.00 (Manufacturers - Scrutineering & component sealing)
- 13.00 - 14.00 (Manufacturers - Weight & sound checks)
Service Park, Llandudno
- 15.00 - 20.00 (P2, P2P, P3 & Non-Priority drivers)
North Wales Honda, Mostyn Broadway, Llandudno LL30 1YR

Individual scrutineering times will be given in a bulletin.

Final Scrutineering

Sunday 6 October 15.00

North Wales Honda, Mostyn Broadway, Llandudno LL30 1YR

13.2 Scrutineering Procedures

Please refer to Article 11 and Appendix 5 of the Supplementary Regulations as well as Articles 26, 59.3 & 63 of the FIA WRC Sporting Regulations.

Fitting of transversal mud flaps is mandatory – Appendix J Article 252.7.7.

Silvered or tinted films on any windows are not allowed – Appendix J Article 253.11.

A noise test will be carried out at scrutineering. The noise limit will be 100dB(A) at 4,500 rpm measured at 0.5m from the end of the exhaust pipe at an angle of 45°.

Each competing car must carry a spill kit capable of absorbing minor spillages of up to 1.25 litres

of all vehicle fluids e.g. oils, fuels, coolants, battery acid. Please contact the Rally Office for more information.

All cars must have a certified original homologation form (the Code, Appendix J, Art. 251.2.1.8) available at scrutineering (FIA WRC, Art. 26.1.4). In addition, homologation forms for the catalytic converter and rollcage (if homologated) must be with the car at scrutineering.

13.3 Sealing

Sealing of the cars will be carried out according to FIA WRC Art. 63–64. Sealing of the transmissions (including spare parts) with wire and tag applies to cars of Priority drivers only (63.3.2). All underbody protection must be removed for scrutineering, but must be kept with the car for weight checks.

Each car's chassis and cylinder block will also be marked (FIA WRC, Art. 26.1.6).

Sealing wires must be installed.

13.4 Scrutineering Information

General Circuit Breaker

The general circuit breaker must cut all electrical circuits, battery, alternator or dynamo, lights, hooters, ignition, electrical controls, etc.) and must also stop the engine.

For Diesel engines having no electronically controlled injectors, the circuit breaker must be coupled with a device cutting off the intake into the engine.

It must be a spark-proof model, and must be accessible from inside and outside the car.

As for the outside, the triggering system of the circuit breaker must compulsorily be situated at the lower part of the windscreen mountings for closed cars. It must be marked by a red spark in a white- edged blue triangle with a base of at least 12 cm.

Extinguishers – Extinguishing Systems

Articles 7.2 and 7.3 apply. Extinguishing systems and Manual extinguishers in compliance with FIA Standard 8865-2015 (Technical List n°52) are recommended. Extinguishing systems in compliance with FIA Standard 8865-2015 (Technical List n°52) are compulsory for cars of the RC 1 class of the FIA World Rally Championship.

Technical list n°52 is available on the following link: http://www.fia.com/sites/default/files/l52_approved_plumbed-in_extinguisher_system_8865_5.pdf

Anti-Torpedo Device for Extinguishers and Extinguishing Systems

Article 253-7.2.2 (Extinguisher mounted systems) from Appendix J states:

It must be secured by a minimum of 2 screw-locked metallic straps and the securing system must be able to withstand a deceleration of 25 g. Anti-torpedo tabs are required.

Article 253-7.3.6 (Manual extinguishers) from Appendix J states: Anti-torpedo tabs are required.

See below an example of anti-torpedo device:



Maintenance on all Extinguishing Systems

Maintenance on Extinguisher mounted system: must be done as specified in the specific instruction manual (see Technical list n°16 and n°52)

Pop-off Valves and inserts on R5 cars

As from 1st of January 2016, an additional insert is compulsory to be used with R5 pop-off-valves (see Technical List n° 43).

http://www.fia.com/sites/default/files/lt_43-boost_control_system_group_r-18.12.2015.pdf

Refuelling

Refuelling devices to be checked at pre-event scrutineering:

2019 WRC Sporting Regulations states

59.3.7 Cars equipped solely with FIA-specified refuel couplings and using fuel as per Art. 59.1.2 must transport the adaptor in the car and show it at pre-rally scrutineering.

Drivers' Safety Equipment - FIA ISC - Appendix L

All competitors are reminded of Appendix L of the FIA International Sporting Code, in particular Chapter III - Drivers' Equipment.

Helmets (Appendix L, Chapter III, Art. 1)

All crews must wear crash helmets which meet one of the standards listed in FIA Technical List No. 25. Priority 1 drivers must meet the FIA standard 8860 - 2018 - Advanced Helmet Test Specification (Technical List No. 69).

Frontal Head Restraint (FHR, Appendix L, Chapter III, Art. 3)

FIA approved systems are mandatory. The wearing in an international competition of any device intended to protect the head or neck and attached to the helmet is prohibited, unless the device has been homologated according to the FIA 8858 standard. Homologated FHR systems are listed in the FIA Technical List N° 29.

Flame-resistant clothing (Appendix L, Chapter III, Art. 2)

All drivers and co-drivers must wear overalls as well as gloves (optional for co- drivers), long underwear, a balaclava, socks and shoes homologated to the FIA 8856-2000 standard (Technical List N°27) or 8856-2018 (Technical List N° 74).

Please pay special attention to the prescriptions of Art. 2 concerning embroidery and printing on flame-resistant clothing (manufacturer certificates etc.)!

Biometric Devices (Appendix L, Chapter III, Art. 2.1)

Drivers may wear a device to collect biometric data during racing.

- If the biometric device is integrated into a protective garment homologated to FIA Standard 8856, the garment shall be homologated to FIA Standards 8856 and 8868-2018.

- If the biometric device is a stand-alone device, then the device must be homologated to FIA Standard 8868-2018 only. This device must be worn in addition to the garment homologated to FIA Standard 8856.

Wearing of Jewellery (Appendix L, Chapter III, Art. 5)

The wearing of jewellery in the form of body piercing or metal neck chains is prohibited during the competition and may therefore be checked before the start.

All equipment must be worn properly. Checks will be carried out during the event (including Shakedown) and any breach for not wearing or not correctly wearing the equipment will be penalised.

13.5 FIA Safety Tracking System

All competitors must make provision in their cars for the installation of the FIA Safety Tracking System and emergency button.

Tracking units must be collected from the SAS workshop in the service park on Tuesday 1 October between 15.00 - 19.00. A deposit using a credit card imprint will be collected from competitors when they collect the unit.

Installation and operating instructions are available in Appendix 4 and on the event website.

The correct functioning and installation of the equipment will be checked at scrutineering.

In the event of a crew retiring the equipment must be returned immediately to SAS in the Service Park. The equipment must be removed in the final Parc Fermé and returned to SAS no later than 17.00 on Sunday 6 October.

Emergency Button

All competitors are strongly reminded to follow WRC Articles 40.3 and 40.4 and in particular to immediately push the OK/SOS button and to comply with all other procedures as laid down in the Regulations in all cases when a car stops temporarily or definitively on a special stage / the Shakedown.

13.6 On Board Cameras

The entrant of any car which carries an on-board camera must comply with FIA WRC Art. 65.1. and they must have the prior agreement of the Promoter. Authorised cameras will be identified by an adhesive decal and must be mounted in the car at the time of scrutineering.

The fixings of camera and camera recorder must be able to withstand a deceleration of 25g.

Competitors wishing to use a camera must supply the following information to the Promoter

(accreditation@wrc.com) at least one week before the start of reconnaissance;
Competitor name, car number, competitor's address and use of footage.

14 Shakedown

14.1 Schedule

Shakedown will take place on Thursday 3 October according to the following schedule:

Shakedown for P1 & P2P drivers	08.00 - 09.30
Shakedown for all Priority drivers	09.30 - 10.30
Shakedown for all drivers	10.30 - 11.30

14.2 Location

Shakedown will take place at Gwydir Forest. The stage is 4.68 km long and is located 30 km from Llandudno Service Park.

P1 drivers are allowed to have one team member to collect data and connect a laptop to the car close to the Shakedown stage at a location to be specified in the road book. Only one car per team is allowed (Auxiliary or Service plate). No other work on the car is permitted.

14.3 Passengers

Entrants are reminded that any person on board the car during Shakedown who is not entered for Wales Rally GB, must have signed a disclaimer provided by the Organisers.

15 Start Procedure

15.1 Start

The official start of the rally will be at TC 0, Liverpool.

Rally cars must be driven from the Service Park to the pre-start holding area by the crew. Rally cars may leave the Service Park (TC 00) at a time chosen by the team during the following periods:

- All FIA Priority drivers – 12.30 / 13.00
- Non-Priority drivers – 13.00 / 13.30

A specific time card will be issued. Rally cars must enter the pre-start holding area (TC 00A) at a time chosen by the team during the following periods:

- All FIA Priority drivers – 14.00 / 14.30
- Non-Priority drivers – 14.30 / 15.00

Entering the holding area outside the indicated time window will incur a cash penalty of £250. Access to the holding area is limited to team members and media representatives with appropriate identification.

Between TC 00 and TC 0 any service may only be performed according to article 48.1.2 of the 2019 FIA WRC Sporting Regulations.

The start intervals from TC 0 will be either 1 minute or 30 seconds.

15.2 Publication of Start Lists

Section 1 & 2	Thursday 3 October - 12.00
Section 5	Friday 4 October - 22.00
Section 7	Saturday 5 October - 22.00

16 Finish Procedure

16.1 Official Finish

The rally will finish at TC 22A, Llandudno. Thereafter crews must follow the instructions of officials during the podium ceremony. From the podium competitors are obliged to drive their competing car to the final Parc Fermé.

All cars must be removed from the final Parc Fermé at the latest by 20.00 on Sunday 6 October, providing the Stewards have authorised the Parc Fermé to be opened.

Cars may only be removed from Parc Fermé on production of a vehicle release card. This will be supplied at administrative checks.

17 PR Activities

17.1 Llandudno Service Park

The free to enter Llandudno Service Park will boast a host of added attractions and displays to entertain visitors of all ages. Open from Thursday morning through to Sunday afternoon there will also be catering stands and merchandise units.

The Service Park will host the dedicated Big Bang STEM Industry Awareness Event for the general public with interactive exhibits from local companies, colleges and universities as well as professional entertainment.

17.2 Rally Makers

The 'Rally Makers' programme will continue in 2019 with the aim of further enhancing the spectator experience at Wales Rally GB.

Teams of well-briefed volunteer Rally Makers will be easily identifiable and will include Welsh speakers, ensuring the thousands of visitors from the UK and beyond all enjoy the high-profile event.

The Rally Makers have been recruited from many of the universities and other organisations throughout the region, comprising both male and female members with ages ranging from 18 to 60 years old.

17.3 Other Activities

- TC 0 - Liverpool Start - There will be an autograph session at the Liverpool Start on Thursday 3 October between 15.15 and 15.45. All Priority 1 drivers & co-drivers are required to attend; in addition other crews may be invited to attend.
- SS 1 - Oulton Park - There will be an autograph session at Oulton Park on Thursday 3 October between 18.10 and 18.40. All Priority 1 drivers & co-drivers are required to attend; in addition other crews may be invited to attend.
- The Ceremonial Finish will take place in Llandudno and there is no charge for public admission.
- The end of day press conference and autograph session with leading drivers will take place on the Michelin Stage in the Llandudno Service Park during the evening on Friday 4 and Saturday 5 October. Access again is free of charge. More information can be found in the spectator section of walesrallygb.com.

17.4 Social Media

Wales Rally GB social media feeds are extremely popular and proactive:

- Twitter @walesrallygb – in excess of 41,000 followers (at the time of printing this was the most followers for any round of the FIA WRC)
- Facebook /walesrallygb – in excess of 52,000 ‘following’ fans

18 Media

18.1 Contact Details Before the Rally

Jonathan Gill

National Press Officer - Wales Rally GB

Telephone: +44 (0)7860 563000

Email: media@walesrallygb.com

18.2 Accreditation Procedure and Criteria

The accreditation guidelines and criteria are published on the Wales Rally GB website:

www.walesrallygb.com/media/accreditation

Please read the following guidelines carefully and make sure all the information requested is supplied with your accreditation application and it is posted to the appropriate address.

Failure to supply the requested information, or to sign the disclaimer, will delay the processing of your application.

Accreditation provides access to the media facilities in Rally HQ and the Service Park in Llandudno and designated areas in Special Stages.

Accreditation Deadlines
Wednesday 7 August
Media accreditation opens
Wednesday 4 September
Closing Date for UK Print Media, Internet Media, Radio & Photographers Media Accreditation
Wednesday 11 September
Closing date for International Print Media & Photographer accreditation

News and information can be supplied, free of charge, before, during and after the event to journalists and publications who are unable to attend the rally, or do not qualify for accreditation.

If you need help with your application please contact:

Jonathan Gill, National Press Officer

Tel: +44 (0)7860 563000

Email: media@walesrallygb.com

1. International Print Media & Photographers

Requests from International publications must be sent to the FIA Communications Department using the new online international rally-by-rally accreditation system on www.fia.com. International accreditation closes on Wednesday 11 September.



2. Accreditation Applications from all Television Broadcasters

Requests from TV broadcasters should be sent directly to the WRC Promoter:
accreditation@wrc.com

3. Commercial Photographers

Requests from all commercial photographers should go directly to the WRC Promoter:
accreditation@wrc.com. Applications should be submitted by Wednesday 11 September to allow time for approval.

4. United Kingdom Print Media, Internet Media, Radio & Photographers

Requests from the above must be sent by POST direct to the Wales Rally GB Accreditation Manager, using the form which can be downloaded from the media section on www.walesrallygb.com.

Wales Rally GB is allowed to nominate national/local radio stations to broadcast from the event. Internet media accreditation is only available for journalists not photographers.

Applications must arrive prior to Wednesday 4 September.

Guidelines and Information for Accreditation Applications

Up to a maximum of three (3) representatives per organisation will be considered for accreditation by the FIA. A separate application form should be submitted for each person to be accredited. A maximum of one (1) pass will be issued to websites (photo tabards are not issued to websites).

To be accredited, a publication must:

- i) have a circulation size and quality that satisfies the criteria of the FIA.
- ii) be on sale to the public.

The FIA considers the media pass to be a working tool to be used only by bona fide members of the press. Publishers, marketing personnel, sub-editors, staff of the publication's secretariat, etc. cannot be accredited as media.

Media passes can be allocated to general news, specialist, business and lifestyle consumer publications that do not intend to publish conventional rally reports but whose coverage is considered to be of promotional benefit to the sport. As a general rule, however, the FIA will not accredit publications less than one year old.

Accreditation for Press Photographers: The FIA provides 12 (twelve) photographer Tabards for UK-based Photographers. Priority will be given to national publications and agencies based on circulation, frequency and previous coverage of Wales Rally GB. All photographers must attend the FIA Media Delegate's special pre-event safety briefing, held at 19.00 on Wednesday 2 October, before being granted a tabard.

Additionally a limited number of media may be accredited to cover the WRGB National Rally but, again, strictly based on circulation, frequency and previous coverage of the National Rally.

Advertising, PR, marketing, or sponsor representatives are not eligible for accreditation.

Once applications have been processed by Wales Rally GB and approved by the FIA, a letter or email confirming successful accreditation will be sent to the applicant(s). This letter must be produced when collecting passes at the event. No pass(es) can be collected without this confirmation.

18.3 Media Centre Location & Opening Times

Wales Rally GB Media Centre

Venue Cymru

Promenade

Llandudno

LL30 1BB

Tel: +44 (0)1244 309920

The Media Centre will have free of charge Wi-fi suitable for journalists and photographers and will be open at the following times:

	Media Centre Open	Media Accreditation Open
Monday 30 September	-	14.00 - 19.00 (for recce only)
Tuesday 1 October	14.00 - 18.00	14.00 - 18.00
Wednesday 2 October	08.00 - 20.00	09.00 - 19.00
Thursday 3 October	08.00 - 22.00	08.00 - 18.00
Friday 4 October	06.45 - 22.30	
Saturday 5 October	07.30 - 22.00	
Sunday 6 October	07.00 - 21.00	

18.4 Press Conferences

Thursday 3 October	11.00 11.30	Meet the Crews, Service Park, Llandudno FIA Pre Event Press Conference, Media Centre, Llandudno
Friday 4 October	End of Day 1	Service Park, Llandudno
Saturday 5 October	End of Day 2	Service Park, Llandudno
Sunday 6 October	15.30	FIA Winners Press Conference, Media Centre, Llandudno

18.5 Media Reconnaissance

Media who wish to take part in the reconnaissance must complete the Media Reconnaissance form available at www.walesrallygb.com and return it to the Organisers no later than Friday 20 September.

Passes must be collected from Media Accreditation, Llandudno on Monday 30 September between 14.00 - 19.00.

18.6 WRC PR Representatives Contact Details

Name	Telephone	Email
CITROËN TOTAL WORLD RALLY TEAM www.citroenracing.com www.citroenracingmedia.com (press login)		
Aur�lie Lehe	+33 1 6131 0122 (Office) +33 6 79 50 2113 (Mobile)	aurelie.lehe@ext.mpsa.com

Name	Telephone	Email
HYUNDAI SHELL MOBIS WORLD RALLY TEAM http://motorsport.hyundai.com/press (press login)		
Thomas Villette	+49 6023 9929 410 (Office) +49 151 1135 4339 (Mobile)	tvillette@hyundai-ms.com
M-SPORT FORD WORLD RALLY TEAM www.m-sport.co.uk		
Anna Rudd	+44 1900 898 720 (Office) +44 7854 297 781 (Mobile)	arudd@m-sport.co.uk
TOYOTA GAZOO RACING WORLD RALLY TEAM www.toyotagazooracing.com		
Terhi Heloaho	+358 40682 2662	terhi.heloaho@tommimakinenracing.fi
MICHELIN GROUP www.michelin.com		
Alessandro Barlozzi	+33 1 4566 1465 (Office) +33 6 4223 5593 (Mobile)	alessandro.barlozzi@michelin.com
FIA JUNIOR WRC CHAMPIONSHIP www.m-sport.co.uk		
Anna Rudd	+44 7803 660 786 (Mobile)	arudd@m-sport.co.uk

18.7 Expected Media Coverage

The event continues to generate considerable – and hugely positive – media coverage with both regional BBC and ITV programmes as well as local radio and print media giving it great regional and specialist exposure. Ensuring there's plenty of pre-event coverage, the PR team distributes regular news releases focused on local and national stories and additional promotion is achieved via media partnerships with top selling motor sport magazines Autosport and Motorsport News plus the new autoclassics.com website as well as the key regional NWN and Trinity Mirror newspaper groups.

19 Medical and Safety Services

19.1 Emergency Contact Details

Rally HQ	+44(0)1244 309900
Emergency Services (Police/Fire/Ambulance)	999
Police Station, Oxford Road, Llandudno LL30 1DN	+44 (0)300 3300101

19.2 Hospitals

Glan Clwyd District General Hospital, Bodelwyddan, Rhyl LL18 5UJ	+44 (0)1745 583910
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19.3 Doctors

Mostyn House Medical Practice, Mostyn Broadway, Llandudno LL30 1YL	+44 (0)1492 860401
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West Shore Surgery, 8 Bryniau Road, Llandudno LL30 2BL +44 (0)1492 872915

19.4 Dentists

Craig-y-Don Dental Practice, 28 Mostyn Avenue, Llandudno LL30 1YY +44 (0)1492 876467

Madoc Dental Care, 3 Madoc Street, Llandudno LL30 2TL +44 (0)1492 870525

19.5 Pharmacies

Sweetham Chemist, Clarence Road, Llandudno LL30 1TA +44 (0)1492 876562

Boots UK Ltd, 17 Queen's Road, Llandudno LL30 1AZ +44 (0)1492 877029

20 Useful facts and services

20.1 General Information

Climate

The climate in North Wales is milder than the rest of Northern Europe. Average temperatures for October are between 4° and 12°C, the average monthly rainfall is 55mm.

Time Zone

The official time during the rally will be GPS time (UTC plus offset to local time).

Currency

Currency is pound sterling (£), divided into 100 pennies. The denominations in circulation are:

Notes: 5, 10, 20 and 50 pounds.

Coins: 1 and 2 pounds. 1, 2, 5, 10, 20 and 50 pennies.

20.2 Facilities

The tap water is safe to drink.

The electric supply is 240 volts. Plugs and sockets are of a three pin design.

Telephones

Public telephones can be operated with either phonecards, coins or credit cards.

The International prefix for outgoing calls is 00.

The International prefix for incoming calls is +44, then delete the leading 0 in the area code. i.e.: Llandudno area code is 01492, from abroad this is +44 1492.

Speaking Clock Dial 123

Directory Enquiries Dial 118 500

Smoking

Smoking is not permitted by law in enclosed public places and workplaces in Wales.

Driving

The driver and all passengers are required to use seat belts at all times.

It is illegal to use a hand-held mobile telephone whilst driving.

The Police can order Breathalyser tests of drivers. The maximum permitted level of alcohol in the bloodstream is 0.08%.

Drive on the LEFT, and overtake on the right.

Speed Limits (Cars)

Built up areas 30mph (48kph)

Main roads	60mph (96kph)
Motorways or Dual Carriageways	70mph (112kph)

These speed limits are for cars; there are other limits for vans and goods vehicles.

There are also other limits indicated by traffic signs.

Motorway Tolls

There are no motorway tolls once you have entered Wales. If you are driving to Llandudno from London there is a toll to use the M6 Toll Road. This road bypasses the most congested section of the M6 through Birmingham. The toll can be paid by credit/debit card or cash. Charges range depending on the time of day and the vehicle being used. As a guide, the maximum charge for a car is £6.70, for a car and trailer £10.30 and for a HGV £12.00.

You can avoid the toll by continuing along the M6 at Junction 3a.

Liverpool Tunnel Toll

There is a toll of £1.80 to use the tunnel under the River Mersey to reach the Liverpool Start location from Llandudno.

Air Travel

Llandudno can be reached from Manchester International Airport (80 mins) and Liverpool John Lennon Airport (80 mins), with direct transfers by road, coach and train.

For further information visit:

www.manchesterairport.co.uk or www.liverpooljohnlennonairport.com

Taxi Companies

Llandudno Taxis, Llandudno	+44 (0)1492 878156
ABC Taxis, Llandudno	+44 (0)1492 871111



Appendix 1 **Itineraries and Route Maps**

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1.1 Itinerary and Maps (1.5)

2019 WALES RALLY GB

1.5

15 August 2019

Thursday 3rd October 2019

TC	Location	SS Dist.	Liaison Dist.	Total Dist.	Target	First Car
SS		Km.	Km.	Km.	Time	Due
SD	Service Park - Llandudno	-	-	-		
	Shakedown Start	-	29.49	29.49	FIA P1/P2P	08:00 / 09:30
	Shakedown Stage - Gwydir	4.68	-	-	FIA All Priority	09:30 / 10:30
	Service Park - Llandudno	-	36.41	41.09	All Drivers	10:30 / 11:30
	Totals	4.68	65.90	70.58		

RZ	Refuel (FIA Fuel) - Llandudno	-	-	-		
1	<i>Distance to next refuel</i>	<i>(0.00)</i>	<i>(175.39)</i>	<i>(175.39)</i>		
00	Llandudno	-	-	-	FIA Priority	12:30 / 13:00
					Non Priority	13:00 / 13:30
00A	Liverpool - Waterfront Holding Area	-	104.61	104.61	FIA Priority	14:00 / 14:30
					Non Priority	14:30 / 15:00

Start - Section 1

0	Liverpool Waterfront - Start	-	-	-		16:00
0A	Oulton Park Holding Area	-	70.78	70.78	1:30	17:30
RZ	Refuel (FIA Fuel) - Oulton Park	-	-	-		
2	<i>Distance to next refuel</i>	<i>(3.58)</i>	<i>(99.86)</i>	<i>(103.44)</i>		
1	-	-	-	-	1:35	19:05
SS 1	The Dayinsure Oulton Park Stage	3.58	-	-		19:08
1A	Llandudno Parc Fermé - In	-	99.86	103.44	2:09	21:17

Thursday Totals

3.58

170.64

174.22

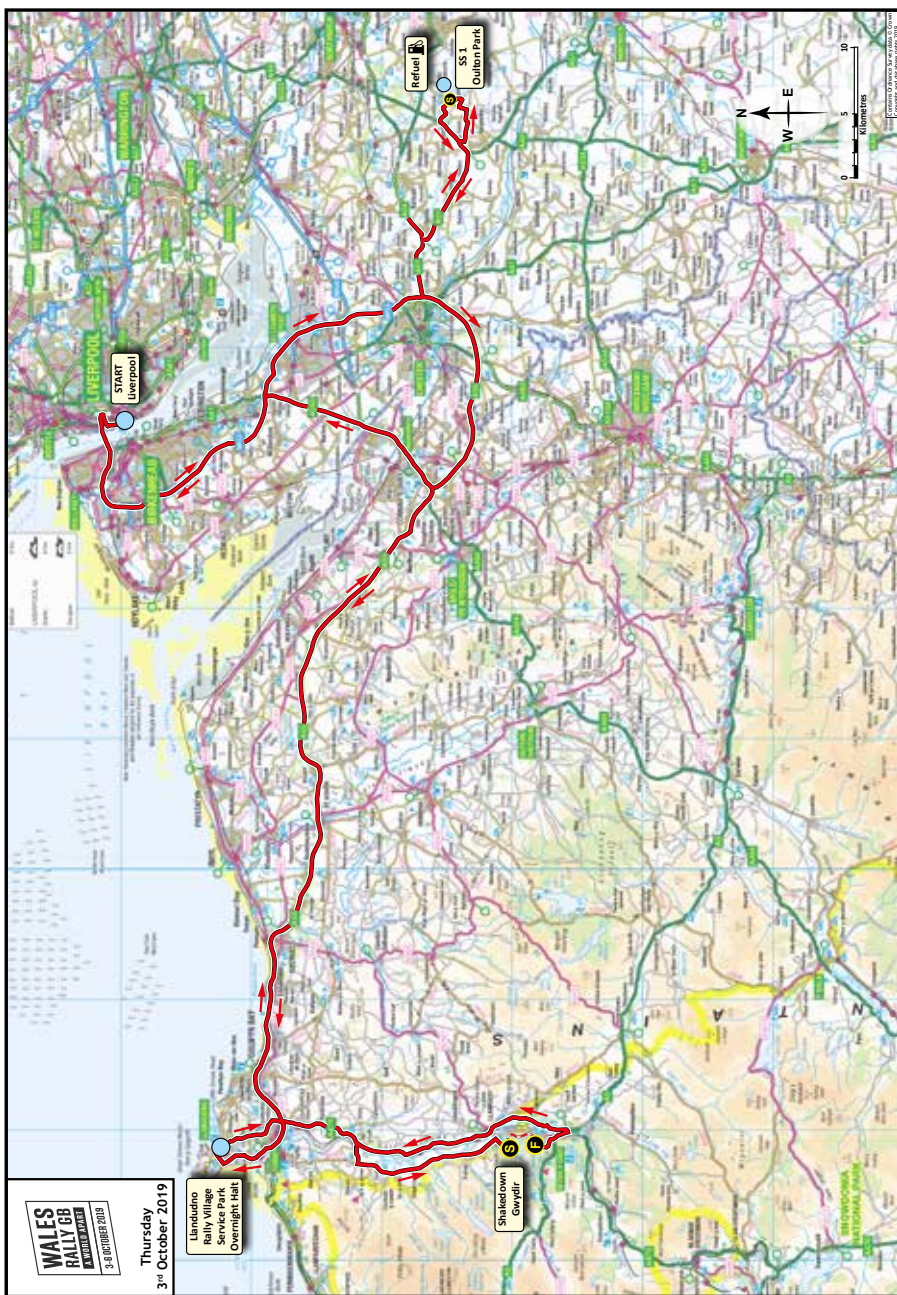
Sunrise - Gwydir

07:20

Sunset - Oulton Park

18:41

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Friday



2019 WALES RALLY GB

1.5

15 August 2019

Re-Start (Sections 2, 3 & 4)

Friday 4th October 2019

TC SS	Location	SS Dist. Km.	Liaison Dist. Km.	Total Dist. Km.	Target Time	First Car Due
1B	Parc Fermé - Out - Service - In	-	-	-		06:10
	Service A (Llandudno)	-	-	-	0:17	
1C	Service - Out	-	-	-		06:27
RZ	Refuel (FIA Fuel) - Llandudno	-	-	-		
3	<i>Distance to next refuel</i>	(27.84)	(106.08)	(133.92)		
2		-	36.82	36.82	0:48	07:15
SS 2	Elsi 1	11.65	-	-		07:18
3		-	6.61	18.26	0:25	07:43
SS 3	Penmachno 1	16.19	-	-		07:46
3A	Stage Exit	-	2.51	18.70	0:20	08:06
RZ	Refuel (FIA Fuel) - Dinas Mawddwy	-	(60.14)	-		
4	<i>Distance to next refuel</i>	(29.62)	(132.64)	(162.26)		
4		-	85.42	85.42	1:47	09:53
SS 4	Dyfnant 1	19.36	-	-		09:56
5		-	24.04	43.40	0:54	10:50
SS 5	Aberhirnant 1	10.26	-	-		10:53
5A	Stage Exit	-	1.37	11.63	0:11	11:04
5B	Regroup & Technical Zone - In	-	81.88	81.88	1:42	12:46
5C	Regroup Out - Service - In	-	0.07	0.07	0:21	13:07
	Service B (Llandudno)	(57.46)	(238.72)	(296.18)	0:42	
5D	Service Out	-	-	-		13:49
RZ	Refuel (FIA Fuel) - Llandudno	-	-	-		
5	<i>Distance to next refuel</i>	(29.44)	(120.17)	(149.61)		
6		-	36.82	36.82	0:48	14:37
SS 6	Elsi 2	11.65	-	-		14:40
7		-	6.61	18.26	0:25	15:05
SS 7	Penmachno 2	16.19	-	-		15:08
7A	Stage Exit	-	2.51	18.70	0:20	15:28
8		-	20.93	20.93	0:26	15:54
SS 8	Slate Mountain	1.60	-	-		15:57
8A	Llechwedd Regroup & Tech Zone - In	-	0.61	2.21	0:06	16:03
8B	Llechwedd Regroup - Out	-	0.05	0.05	0:20	16:23
	Light Fitting Zone (Llechwedd)					
RZ	Refuel (FIA Fuel) - Dinas Mawddwy	-	(52.64)	-		
6	<i>Distance to next refuel</i>	(29.62)	(132.84)	(162.46)		
9		-	77.92	77.92	1:45	18:08
SS 9	Dyfnant 2	19.36	-	-		18:11
10		-	24.04	43.40	0:54	19:05
SS 10	Aberhirnant 2	10.26	-	-		19:08
10A	Stage Exit	-	1.37	11.63	0:11	19:19
10B	Parc Fermé & Technical Zone - In	-	82.08	82.08	1:42	21:01
10C	Parc Fermé Out - Flexi Service - In	-	0.07	0.07	0:10	21:11
	Flexi Service C (Llandudno)	(59.06)	(253.01)	(312.07)	0:47	
10D	Flexi Service Out	-	-	-		(21:58)
10E	Parc Fermé - In	-	1.48	1.48	0:06	(22:04)
	All cars must be returned to Parc Fermé no later than					00:15
	Friday Totals	116.52	491.73	608.25		

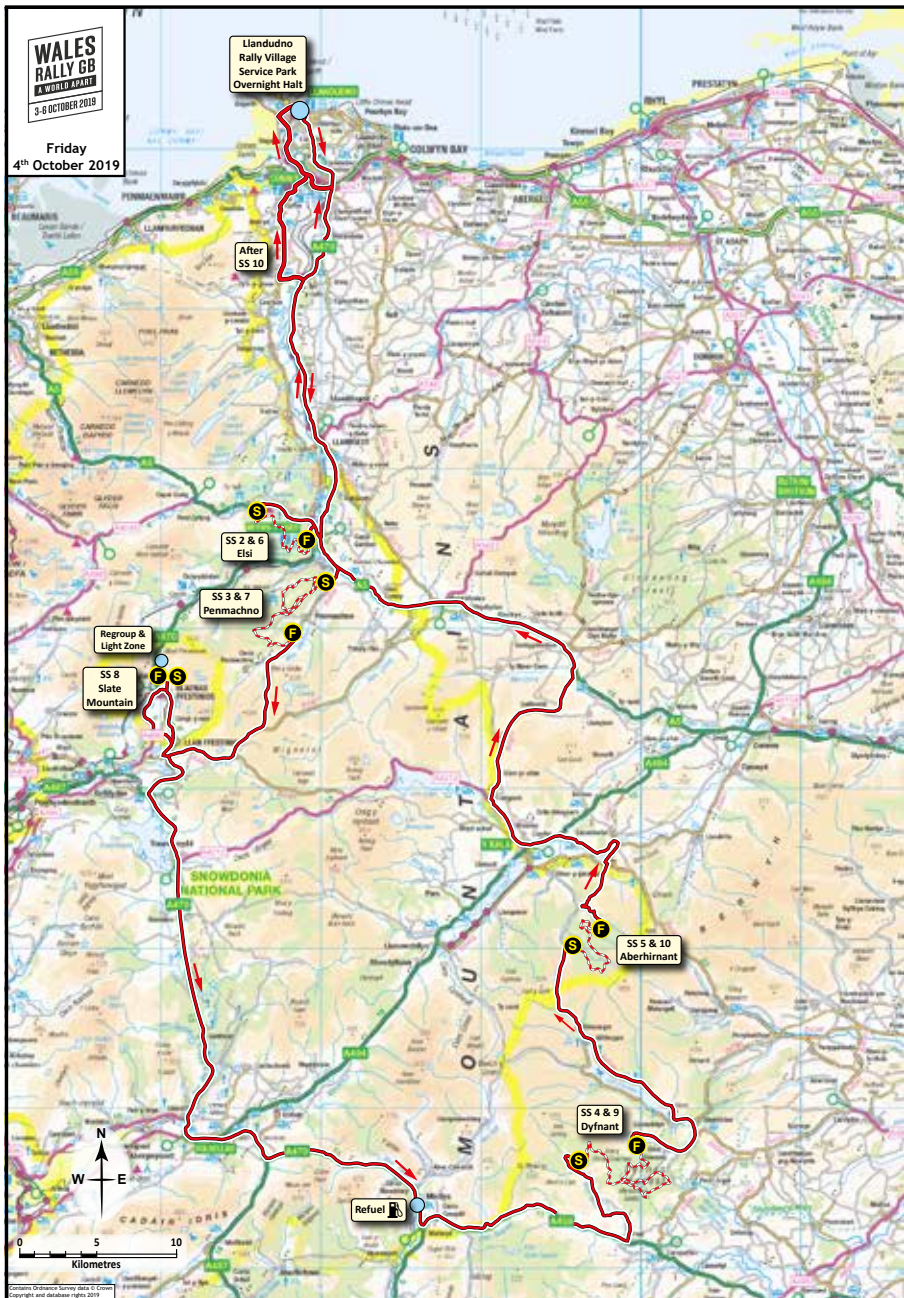
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Sunrise - Elsi	07:21
Sunset - Aberhirnant	18:45

Section 2

Section 3

Section 4



Saturday



2019 WALES RALLY GB

1.5	15 August 2019
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Re-Start (Sections 5 & 6)

Saturday 5th October 2019

TC SS	Location	SS Dist. Km.	Liaison Dist. Km.	Total Dist. Km.	Target Time	First Car Due
10F	Parc Fermé - Out Service - In	-	-	-		05:40
	Service D (Llandudno)	-	-	-	0:17	
10G	Service - Out	-	-	-		05:57
RZ	Refuel (FIA Fuel) - Llandudno	-	-	-		
7	<i>Distance to next refuel</i>	(25.86)	(142.93)	(168.79)		
11			100.91	100.91	2:06	08:03
SS 11	Dyfi 1	25.86	-	-		08:06
RZ	Refuel (FIA Fuel) - Llanidloes	-	(42.02)	-		
8	<i>Distance to next refuel</i>	(48.56)	(88.38)	(136.94)		
12			62.27	88.13	1:53	09:59
SS 12	Myherin 1	22.91	-	-		10:08
13			6.65	29.56	0:51	10:59
SS 13	Sweet Lamb Hafren 1	25.65	-	-		11:02
13A	Tyre Zone - In	-	35.50	61.15	1:16	12:18
	Tyre Fitting Zone (Newtown)	(74.42)	(205.33)	(279.75)	0:15	
13B	Tyre Zone - Out	-	-	-		12:33
13C	Newtown Regroup & Technical Zone - In	-	2.59	2.59	0:07	12:40
13D	Newtown Regroup Out	-	0.07	0.07	0:30	13:10
RZ	Refuel (FIA Fuel) - Llanidloes	-	(23.32)	-		
9	<i>Distance to next refuel</i>	(48.56)	(42.75)	(91.31)		
14			43.60	43.60	0:55	14:05
SS 14	Myherin 2	22.91	-	-		14:08
15			6.65	29.56	0:51	14:59
SS 15	Sweet Lamb Hafren 2	25.65	-	-		15:02
15A	Dolydd	-	0.87	26.52	0:28	15:30
RZ	Refuel (FIA Fuel) - Llanbrynmair	-	(14.95)	-		
10	<i>Distance to next refuel</i>	(28.26)	(148.18)	(176.44)		
16			36.79	36.79	0:46	16:16
SS 16	Dyfi 2	25.86	-	-		16:19
16A	Ceinws	-	2.03	27.89	0:35	16:54
	Light Fitting Zone (Colwyn Bay)					
17			108.93	108.93	2:16	19:10
SS 17	Colwyn Bay	2.40	-	-		19:13
17A	Parc Fermé & Technical Zone - In	-	15.31	17.71	0:26	19:39
17B	Parc Fermé Out - Flexi Service - In	-	0.07	0.07	0:10	19:49
	Flexi Service E (Llandudno)	(76.82)	(216.91)	(293.73)	0:47	
17C	Flexi Service Out	-	-	-		(20:36)
17D	Parc Fermé - In	-	1.48	1.48	0:06	(20:42)
	All cars must be returned to Parc Fermé no later than					22:45
Saturday Totals		151.24	422.24	573.48		
					Sunrise - Dyfi	07:20
					Sunset - Colwyn Bay	18:45

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Section 5

Section 6



Sunday



2019 WALES RALLY GB

1.5	15 August 2019
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Re-Start (Sections 7, 8 & 9) Sunday 6th October 2019

TC SS	Location	SS Dist. Km.	Liaison Dist. Km.	Total Dist. Km.	Target Time	First Car Due
17E	Parc Fermé - Out Service - In	-	-	-		06:00
	Service F (Llandudno)	-	-	-	0:17	
17F	Service - Out	-	-	-		06:17
RZ	Refuel (FIA Fuel) - Llandudno	-	-	-		
11	<i>Distance to next refuel</i>	(21.58)	(117.27)	(138.85)		
18		-	54.01	54.01	1:08	07:25
SS 18	Alwen 1	10.41	-	-		07:28
19		-	7.78	18.19	0:32	08:00
SS 19	Brenig 1	6.43	-	-		08:08
20		-	51.77	58.20	1:15	09:23
SS 20	Great Orme	4.74	-	-		09:26
20A	Technical Zone - In	-	3.64	8.38	0:13	09:39
20B	Technical Zone Out - Service - In	-	0.07	0.07	0:03	09:42
	Service G (Llandudno)	(21.58)	(117.27)	(138.85)	0:17	
20C	Service Out	-	-	-		09:59
RZ	Refuel (FIA Fuel) - Llandudno	-	-	-		
12	<i>Distance to next refuel</i>	(16.84)	(113.70)	(130.54)		
21		-	54.01	54.01	1:08	11:07
SS 21	Alwen 2	10.41	-	-		11:10
21A	Brenig Regroup & Technical Zone - In	-	3.23	13.64	0:17	11:27
21B	Brenig Regroup - Out	-	0.24	0.24	0:41	12:08
22		-	4.81	4.81	0:07	12:15
SS 22	Brenig 2 (Power Stage)	6.43	-	-		12:18
22A	Finish - Llandudno	-	51.41	57.84	1:14	13:32
Sunday Totals		38.42	230.97	269.39		
		Sunrise - Alwen				07:23
		Sunset - Llandudno				18:41

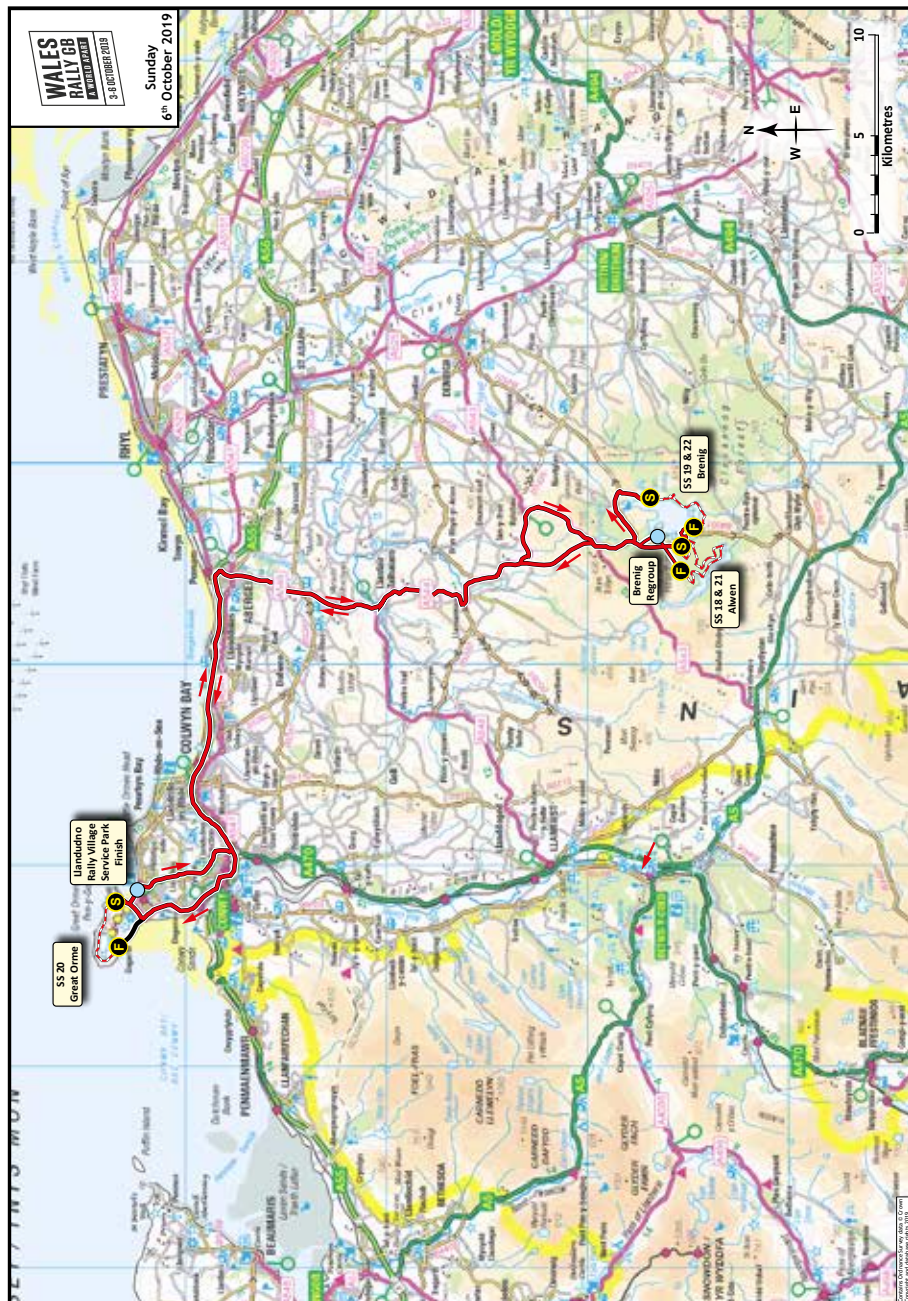
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TOTALS OF THE RALLY				
	SS	Liaison	Total	%
Thursday 3 October				
Section 1 - 1 SS	3.58	170.64	174.22	2.1%
Friday 4 October				
Sections 2, 3 & 4 - 9 SS	116.52	491.73	608.25	% of Special Stages 19.2%
Saturday 5 October				
Sections 5 & 6 - 7 SS	151.24	422.24	573.48	26.4%
Sunday 6 October				
Sections 7, 8 & 9 - 5 SS	38.42	230.97	269.39	14.3%
Total - 22 SS	309.76	1315.58	1625.34	19.1%

Section 7

Section 8

Section 9



1.2 Special Stage Routes Compared to Previous Years

Stage		Length (km)	Comparison
Shakedown	Gwydir (Gravel)	0.00 - 1.26	New stage
		1.26 - 4.68	As 2018 - SS 20 & 22: 1.55 - 4.97 (New FF)
SS 1	Oulton Park (Asphalt & Gravel)	0.00 - 3.58	New stage
SS 2 & 6	Elsi (Gravel)	0.00 - 3.58	Revised route (Reverse of 2018 route)
		3.58 - 7.32	New stage
		7.32 - 11.65	Revised route (Reverse of 2018 route)
SS 3 & 7	Penmachno (14.88 Gravel) (1.31 Asphalt)	0.00 - 15.69	As 2018 - SS 4 & 9: 0.00 - 15.69
		15.69 - 16.19	New stage
SS 4 & 9	Dyfnant (Gravel)	0.00 - 7.68	As 2018 - SS 14: 0.00 - 7.68
		7.68 - 15.31	As 2016 - SS 4 & 8: 7.68 - 15.31
		15.31 - 17.43	New stage
		17.43 - 19.36	As 2013 - SS 14 & 17: 19.41 - 21.34
SS 5 & 10	Aberhirnant (Gravel)	0.00 - 10.26	As 2016 - SS 15: 0.00 - 10.26 (New FF)
SS 8	Slate Mountain (Gravel)	0.00 - 1.60	Revised stage route
SS 11 & 16	Dyfi (Gravel)	0.00 - 25.86	As 2017 - SS 11 & 13
SS 12 & 14	Myherin (Gravel)	0.00 - 2.90	As 2018 - SS 10 & 15: 8.95 - 11.84 (New Start)
		2.90 - 22.91	As 2016 - SS 1 & 5: 11.84 - 31.82
SS 13 & 15	Sweet Lamb Hafren (Gravel)	0.00 - 19.95	As 2018 - SS 11 & 16: 0.00 - 19.95
		19.95 - 25.65	As 2017 - SS 4 & 7: 29.44 - 35.14
SS 17	Colwyn Bay (Asphalt)	0.00 - 2.40	New stage
SS 18 & 21	Alwen (Gravel)	0.00 - 10.41	As 2017 - SS 17 & 20
SS 19 & 22	Brenig (5.13 Gravel) (1.30 Asphalt)	0.00 - 6.43	As 2017 - SS 18 & 21
SS 20	Great Orme (Asphalt)	0.00 - 4.74	As 2015 - SS 18





1.3 Reconnaissance Schedule - Version 2.1

Tuesday 1st October							
Opens			Closes	Stage	Kilometres		
Priority 1 & 2	Priority 3	All Drivers			SS	To Next SS	Total
07:30	08:00	08:40		SS 12/14 Myherin	22.91	6.84	
08:05	08:35	09:15		SS 13/15 Sweet Lamb Hafren	25.65	37.31	
			11:40	SS 12/14 Myherin	22.91	6.84	
			12:15	SS 13/15 Sweet Lamb Hafren	25.65	34.89	
10:50	11:20	12:00		SS 11/16 Dyfi	25.86	25.81	
			15:00	SS 11/16 Dyfi	25.86	48.64	
13:05	13:35	14:15		SS 4/9 Dyfnant	19.36	32.56	
			17:15	SS 4/9 Dyfnant	19.36	23.90	
14:40	15:10	15:50		SS 5/10 Aberhirnant	10.26	6.92	
			18:50	SS 5/10 Aberhirnant	10.26		
Sunrise - Myherin			07:14		208.08	223.71	431.79
Sunset - Aberhirnant			18:52				
Wednesday 2nd October							
07:30	08:00	08:40		SS 17 Colwyn Bay	2.40	2.53	
			10:00	SS 17 Colwyn Bay	2.40	15.44	
08:00	08:30	09:10		SS 20 Great Orme	4.74	3.71	
			11:00	SS 20 Great Orme	4.74	31.95	
08:55	09:25	10:05		Shakedown - Gwydir	4.68	4.89	
			12:10	Shakedown - Gwydir	4.68	7.18	
09:25	09:55	10:35		SS 2/6 Elsi	11.65	6.51	
			12:40	SS 2/6 Elsi	11.65	18.55	
10:10	10:40	11:20		SS 8 Slate Mountain	1.60	3.31	
			13:30	SS 8 Slate Mountain	1.60	20.52	
10:50	11:20	12:00		SS 3/7 Penmachno	16.19	7.10	
			14:10	SS 3/7 Penmachno	16.19	32.31	
12:10	12:40	13:20		SS 18/21 Alwen	10.41	7.75	
12:30	13:00	13:40		SS 19/22 Brenig	6.43	1.58	
			15:40	SS 18/21 Alwen	10.41	7.75	
			16:00	SS 19/22 Brenig	6.43		
Sunrise - Colwyn Bay			07:12		116.20	171.08	287.28
Sunset - Brenig			18:49				
Thursday 3rd October							
Within road section from TC 0 (Liverpool) to TC 0A (Oulton Park)				SS 1 Oulton Park	3.58	0.19	
				SS 1 Oulton Park	3.58		

1.4 Vehicle Recovery Points

Day	Special Stage	Stage Kilometres		Pickup Point	Location (Road Book)		Information	GPS	QR Code
		From	To		Page	Box			
Thursday 3 October	- Shakedown	Complete Stage		A	22	22	Follow Road Book from Llandudno to Shakedown Start	N53 07.430 W3 49.397	
	1 Oulton Park	Complete Stage		B	-	-	Oulton Park race circuit Paddock. Approach by signposted main entrance from the A49.	N53 10.737 W2 36.900	
	2/6 Elsi	Complete Stage		C	-	-	Near Stage Exit. Approach from South by A470	N53 04.957 W3 47.907	
Friday 4 October	3/7 Penmachno	Complete Stage		D	89	2	A5 then B4406 through Penmachno to GPS location at stage exit	N53 01.915 W3 48.645	
	4/9 Dyfnant	Box 1 (0.00km)	Box 9 (9.37km)	E	-	-	Llangadfan, B4395 to Pont Llogel. Before Pont Llogel towards Car Park E & onto GPS point	N52 43.605 W3 26.992	
		Box 9 (9.37km)	Stop (18.16km)	F	99	28	Llanfyllin, B4393, RB p.99, Box 28 near Llanwddyn	N52 45.153 W3 25.847	

Day	Special Stage	Stage Kilometres		Pickup Point	Location (Road Book)		Information	GPS	QR Code
		From	To		Page	Box			
Friday 4 October	5/10 Aberhirnant	Complete Stage		G	-	-	From Bala, B4391	N52 54.120 W3 35.124	
	8 Slate Mountain	Complete Stage		H	-	-	A 470 to Blaenau Ffestiniog, follow signs to Slate Caverns. GPS location is the main site entrance	N53 00.413 W3 56.565	
Saturday 5 October	11/16 Dyfi	Complete Stage		I	231	25	A485. Follow spectator Car Park J signs & onto GPS point at Ceinws.	N52 38.266 W3 50.274	
	12/14 Myherin	Box 1 (0.00km)	Box 10 (8.49km)	J	-	-	A44 onto A4120 (Devil's Bridge), B4574, follow spectator signs.	N52 21.845 W3 48.873	
		Box 10 (8.49km)	Stop (23.13km)	K	243	25	Llangurig then follow A44 to GPS location (Stage Exit)	N52 25.916 W3 46.551	
	13/15 Sweet Lamb Hafran	Start	Box 15 (5.66km)	L	-	-	Llangurig then follow A44 to GPS location. Spectator access off A44	N52 25.816 W3 42.445	
		Box 15 (5.66km)	Stop	M	250	32	Llanidloes then B4518 to Staylittle, reverse competitor route to GPS location at stage exit	N52 29.982 W3 39.701	

Day	Special Stage	Stage Kilometres		Pickup Point	Location (Road Book)		Information	GPS	QR Code
		From	To		Page	Box			
Saturday 5 October	17 Colwyn Bay	Complete Stage		N	298	41	A55 then Road Book Page 296 Box 36 turn left at Box 37, to Box 40 to GPS point before TC 17	N53 17.590 W3 41.818	
Sunday 6 October	18/21 Alwen	Complete Stage		O	325	15	Approach from the north only on the B4501 to stage exit	N53 05.513 W3 33.378	
	19/22 Brenig	Complete Stage		P	331	14	Approach from the north only on the B4501 to stage exit	N53 05.044 W3 32.869	
	20 Great Orme	Complete Stage		Q	340	9	Stage exit, junction of Abbey Road & West Parade, Llandudno	N53 19.315 W3 50.833	

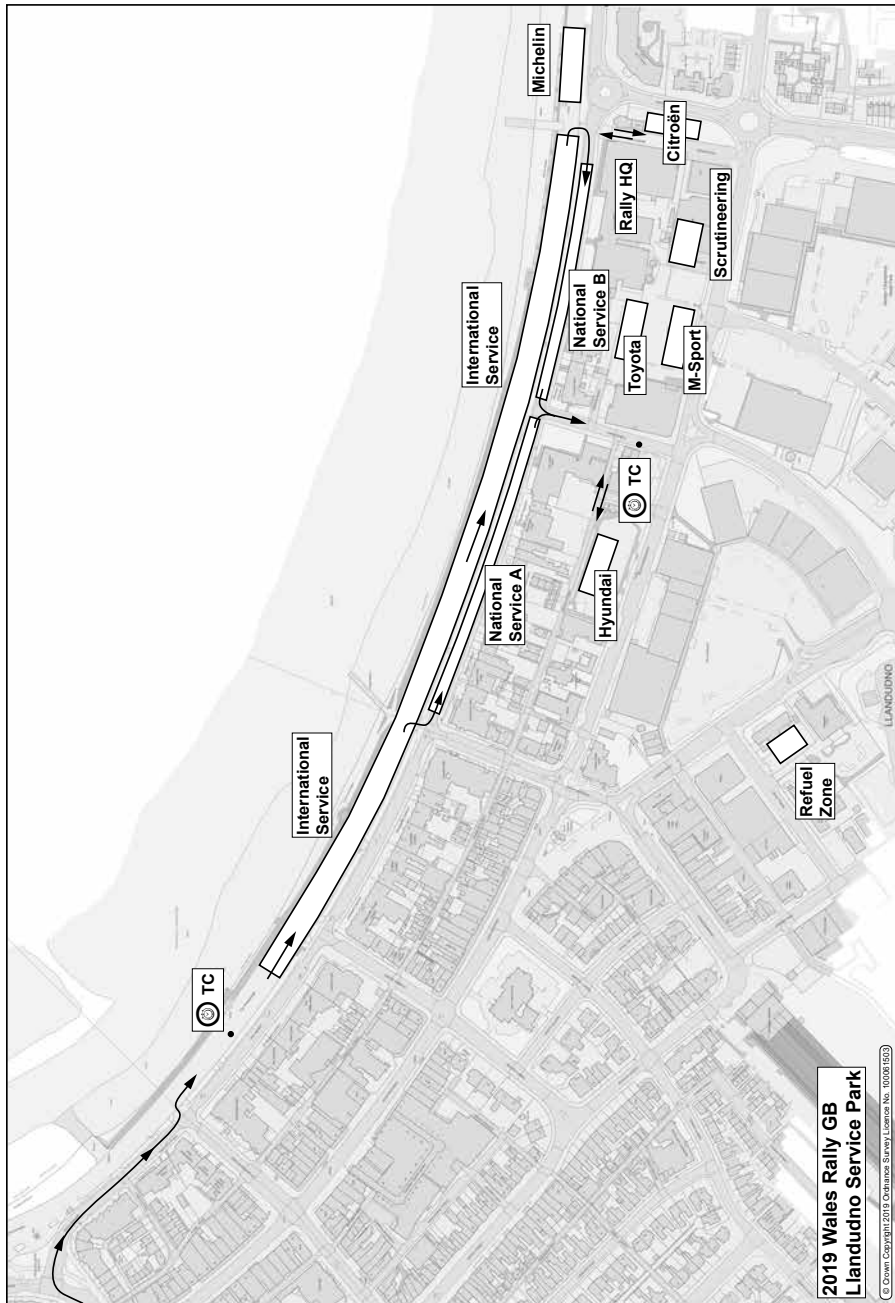
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2.1 Llandudno Service Park

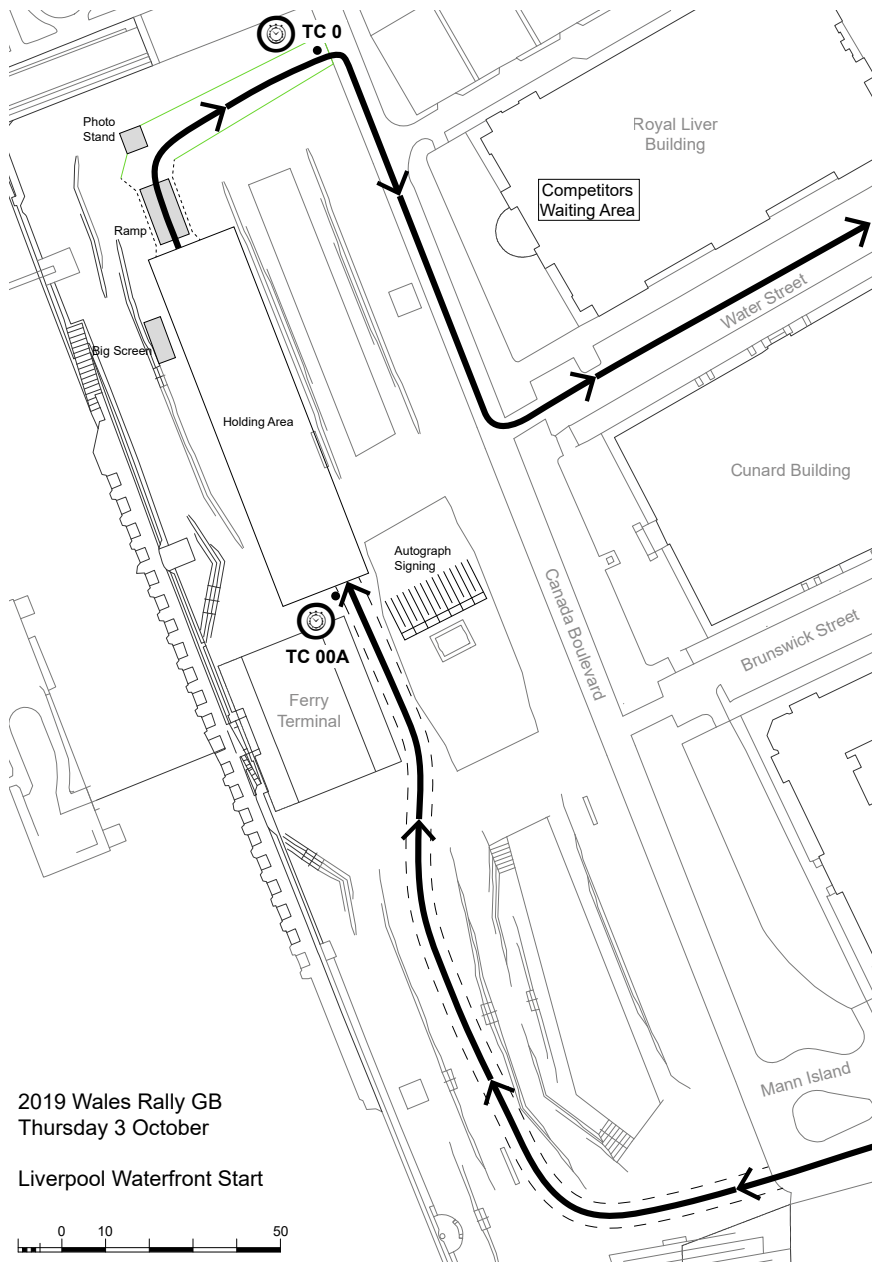






2.2 Start - Liverpool

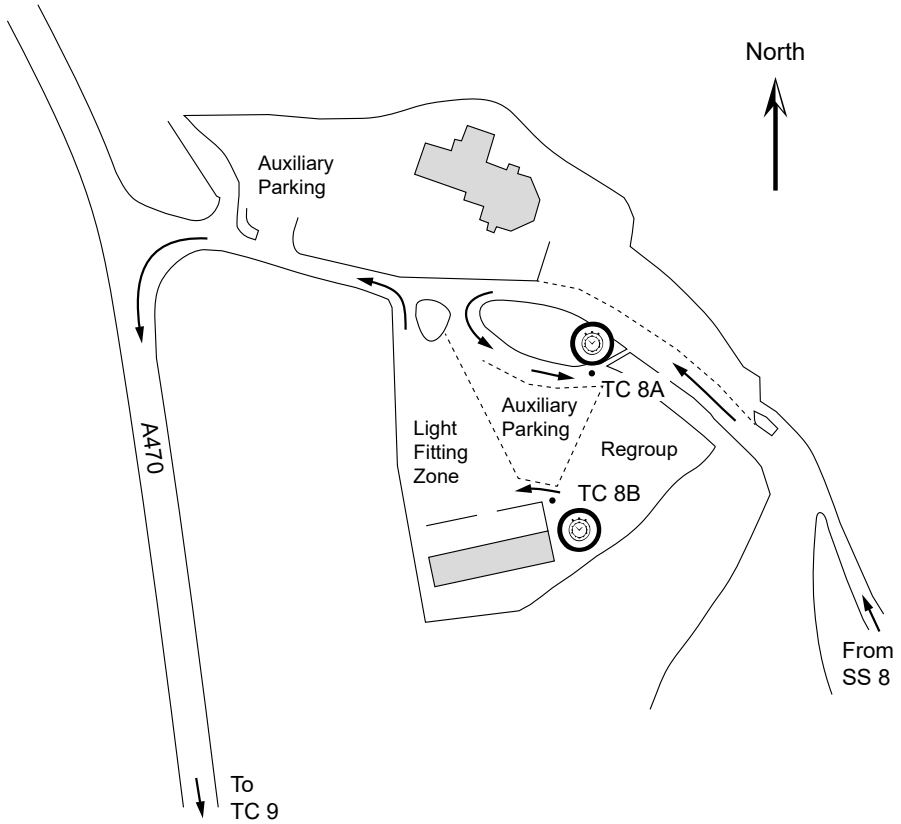


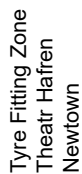


2019 Wales Rally GB
Thursday 3 October

Liverpool Waterfront Start

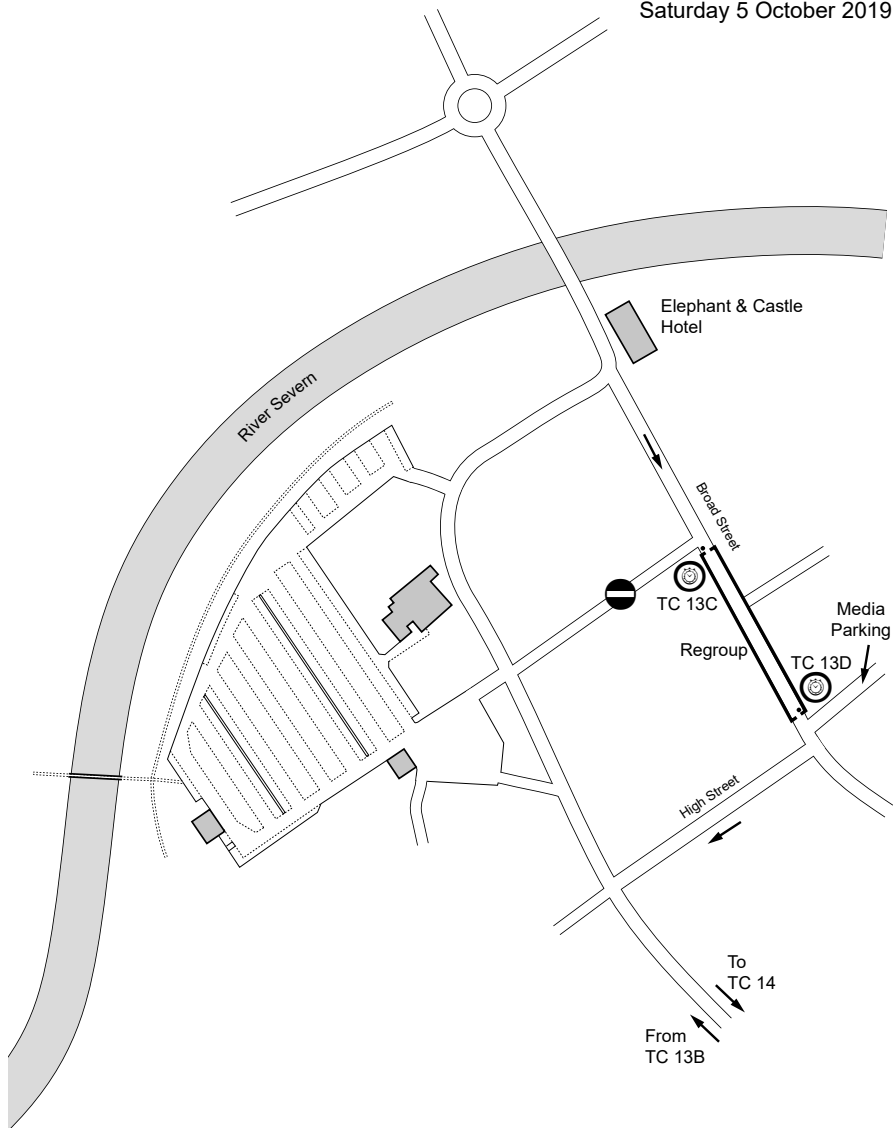
2.3 Llechwedd Regroup & Light Fitting Zone

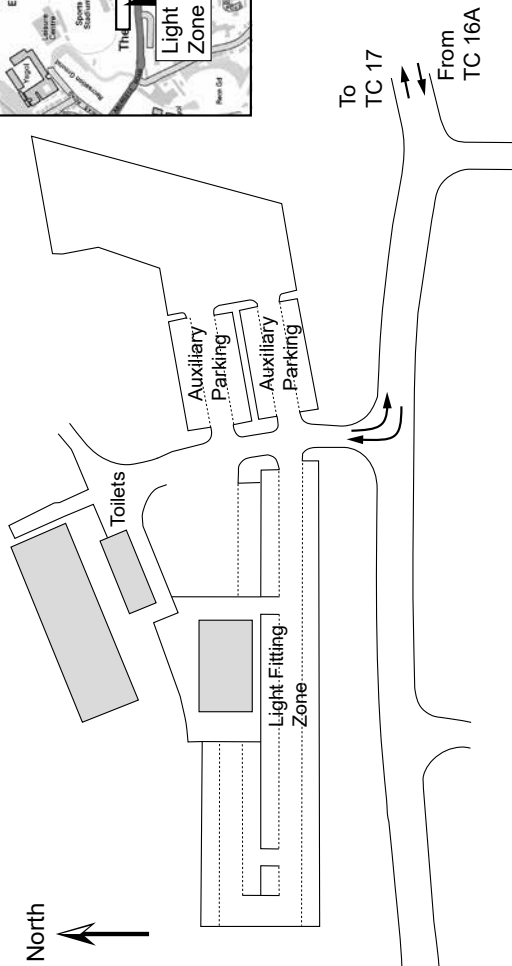
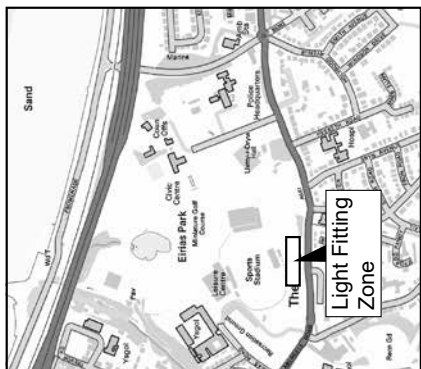




2.5 Newtown Regroup

Wales Rally GB
Newtown Regroup
Saturday 5 October 2019





2.7 Finish - Llandudno



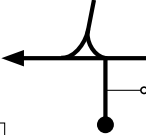
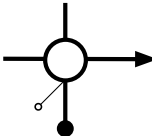
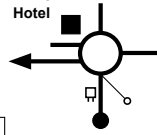
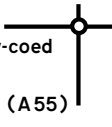

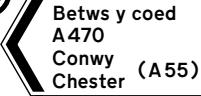
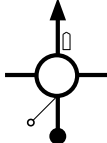
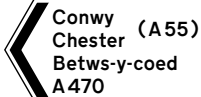
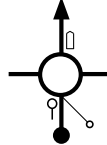
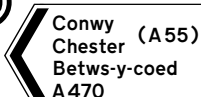


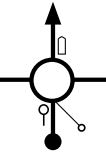

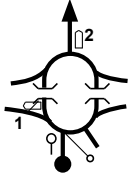

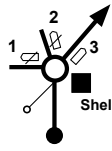
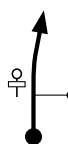

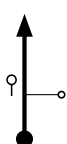

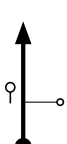

Appendix 3

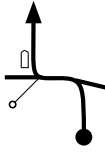
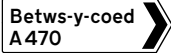
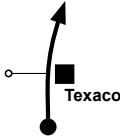



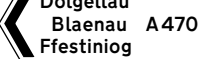


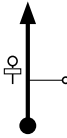

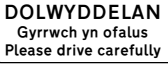
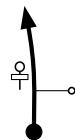


Road Books

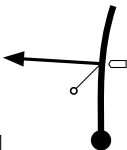
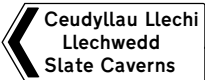
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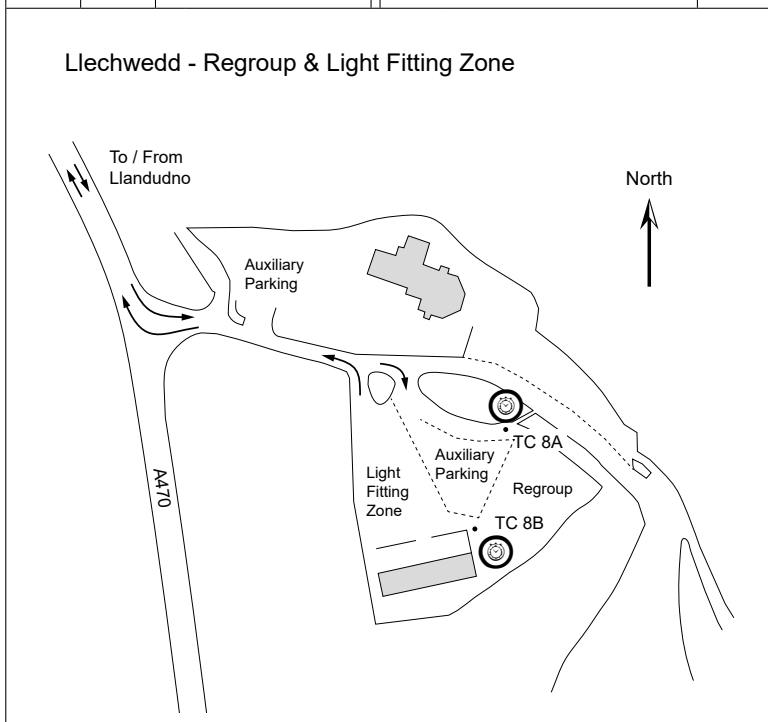
3.1 Llandudno Service Park to Llechwedd Light Fitting Zone

Llandudno Service Park to Llechwedd Light Fitting Zone				
46.16 km				
Distance		Direction	Information	Km to go
Total	Partial			
0.00	0.00	 1	<p>Leave Service Park</p> <p>N 53° 19.305' W 03° 49.180'</p>	46.16
0.28	0.28	 2		45.88
0.78	0.50	<p>Links Hotel</p>  3	 <p>Betws-y-coed A470 Conwy (A55) Chester (A55)</p>	45.38
1.59	0.81	 4	<p>30</p>  <p>Betws y coed A470 Conwy (A55) Chester (A55)</p>	44.57
2.46	0.87	 5	 <p>Conwy Chester (A55) Betws-y-coed A470</p>	43.70
3.68	1.22	 6	<p>30</p>  <p>Conwy (A55) Chester Betws-y-coed A470</p>	42.48
	0.77			

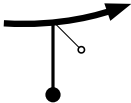




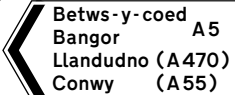
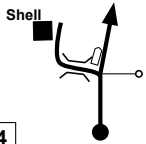
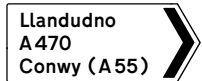
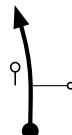


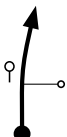



Llandudno Service Park to Llechwedd Light Fitting Zone				
46.16 km				
Distance		Direction	Information	Km to go
Total	Partial			
4.45	0.77	 7	 <div> Conwy (A55) Chester Betws-y-coed (A470) </div>	41.71
5.74	1.29	 8	 <div> 1 Chester A55 Bae Colwyn Colwyn Bay 2 Betws-y-coed Llanrwst A470 </div>	40.42
5.98	0.24	 9	<div> 1 Mochdre 1¼ 2 Bryn y maen 4¼ Betws yn rhos 7¼ 3 Betws-y-coed Llanrwst A470 </div>	40.18
6.99	1.01	 10	 <div> LLANSANFFRAID GLAN CONWY Gyrwch yn ddiogl Drive safely </div>	39.17
22.76	15.77	 11	 <div>(Llanrwst)</div>	23.40
23.36	0.60	 12		22.80
	0.22			



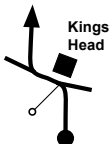
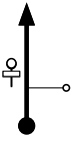


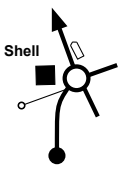
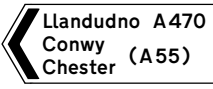
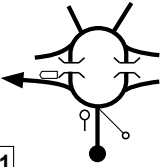

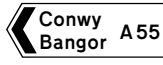
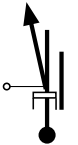

Llandudno Service Park to Llechwedd Light Fitting Zone				
46.16 km				
Distance		Direction	Information	Km to go
Total	Partial			
23.58	0.22			22.58
25.00	1.42			21.16
30.11	5.11		  	16.05
30.40	0.29			15.76
38.39	7.99		 	7.77
45.53	7.14		 	0.63
	0.63			

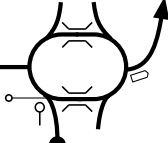

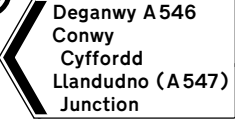
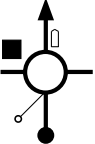
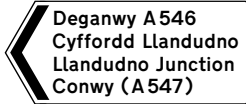
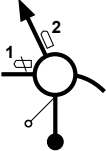
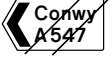
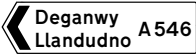
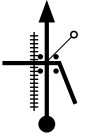

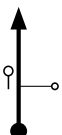



Llandudno Service Park to Llechwedd Light Fitting Zone				
46.16 km				
Distance		Direction	Information	Km to go
Total	Partial			
46.16	0.63			0.00
		19	<p>Enter Light Fitting Zone</p> <p>N 53° 00.415' W 03° 56.567'</p>	

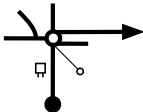

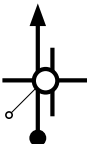
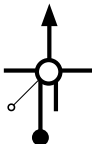
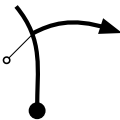
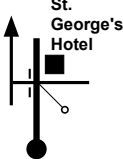


3.2 Llechwedd Light Fitting Zone to Llandudno Service Park

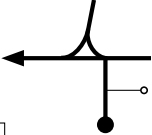
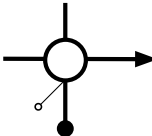
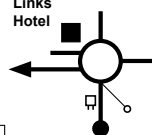
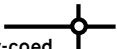
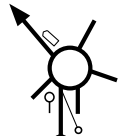

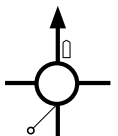

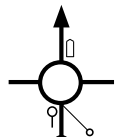

Llechwedd Light Fitting Zone to Llandudno Service Park				
48.33 km				
Distance		Direction	Information	Km to go
Total	Partial			
0.00	0.00	 1	Leave Light Fitting Zone (Join A470)	48.33
6.84	6.84	 2	 (Dolwyddelan)	41.49
15.75	8.91	 3	 	32.58
15.90	0.15	 4		32.43
20.72	4.82	 5	  (Llanrwst)	27.61
21.37	0.65	 6	  (Llanrwst)	26.96
0.90				

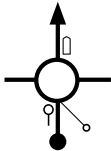
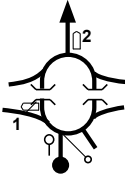
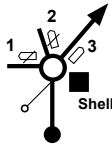
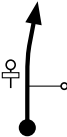
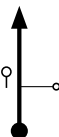
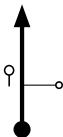
Llechwedd Light Fitting Zone to Llandudno Service Park				
48.33 km				
Distance		Direction	Information	Km to go
Total	Partial			
22.27	0.90	 7		26.06
22.42	0.15	 8		25.91
37.84	15.42	 9	  LLANSANFFRAID GLAN CONWY Gyrrwch ym ddiogel Drive safely	10.49
39.99	2.15	 10		8.34
40.08	0.09	 11	 	8.25
40.92	0.84	 12	Conwy (A547) Deganwy A546 	7.41
	0.37			

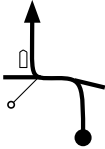
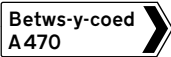
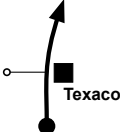




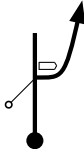
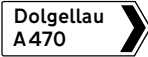
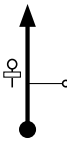

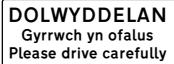
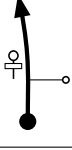


Llechwedd Light Fitting Zone to Llandudno Service Park				
48.33 km				
Distance		Direction	Information	Km to go
Total	Partial			
41.29	0.37	 13	 	7.04
41.67	0.38	 14		6.66
41.96	0.29	 15	1  2 	6.37
43.49	1.53	 16		4.84
45.68	2.19	 17		2.65
45.99	0.31	 18		2.34
1.10				

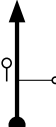







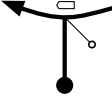
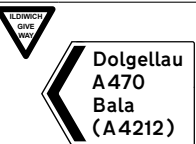
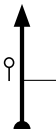

Llechwedd Light Fitting Zone to Llandudno Service Park				
48.33 km				
Distance		Direction	Information	Km to go
Total	Partial			
47.09	1.10		 <p>Canol y dref Town centre A546</p>	1.24
		19		
47.91	0.82			0.42
		20		
48.03	0.12			0.30
		21		
48.14	0.11			0.19
		22		
48.33	0.19	 <p>St. George's Hotel</p>	<p>Enter Service Park</p> <p>N53° 19.510" W3° 49.724"</p>	0.00
		23		

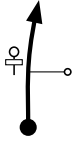
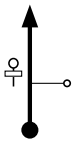




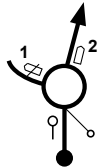
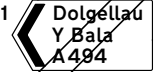

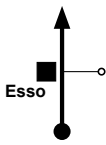
3.3 Llandudno Service Park to Newtown Tyre Fitting Zone

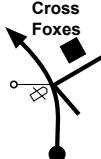
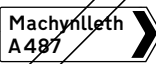
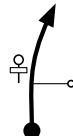


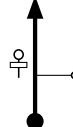

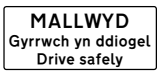
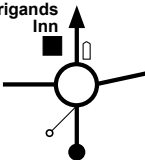
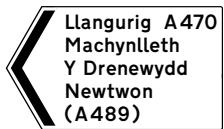

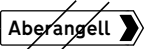
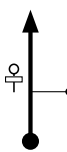


Llandudno Service Park to Newtown Tyre Fitting Zone				
143.61 km				
Distance		Direction	Information	Km to go
Total	Partial			
0.00	0.00	 1	<p>Leave Service Park</p> <p>N 53° 19.305' W 03° 49.180'</p>	143.61
0.28	0.28	 2		143.33
0.78	0.50	<p>Links Hotel</p>  3	 <p>Betws-y-coed A470 Conwy (A55) Chester (A55)</p>	142.83
1.59	0.81	 4	<p>30</p>  <p>Betws y coed A470 Conwy (A55) Chester (A55)</p>	142.02
2.46	0.87	 5	 <p>Conwy Chester (A55) Betws-y-coed A470</p>	141.15
3.68	1.22	 6	<p>30</p>  <p>Conwy (A55) Chester Betws-y-coed A470</p>	139.93
	0.77			

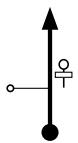
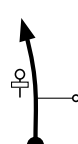
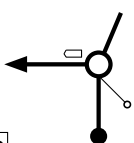

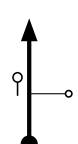
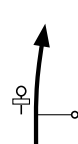
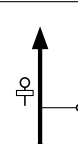
Llandudno Service Park to Newtown Tyre Fitting Zone				
143.61 km				
Distance		Direction	Information	Km to go
Total	Partial			
4.45	0.77		(30) <div> Conwy Chester (A55) Betws-y-coed (A470) </div>	139.16
5.74	1.29		(30) <div> 1 Chester A55 Bae Colwyn Colwyn Bay 2 Betws-y-coed Llanrwst A470 </div>	137.87
5.98	0.24		<div> 1 Mochdre 1¼ 2 Bryn y maen 4¼ Betws yn rhos 7¼ 3 Betws-y-coed Llanrwst A470 </div>	137.63
6.99	1.01		(30) <div> LLANSANFFRAID GLAN CONWY Gyrrwch yn ddiogl Drive safely </div>	136.62
22.76	15.77		(30) (Llanrwst)	120.85
23.36	0.60		(20)	120.25
	0.22			

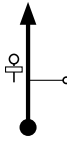
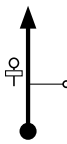
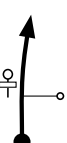
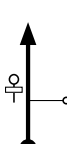
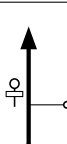
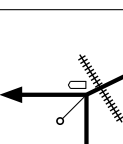
Llandudno Service Park to Newtown Tyre Fitting Zone				
143.61 km				
Distance		Direction	Information	Km to go
Total	Partial			
23.58	0.22	 13		120.03
25.00	1.42	 14		118.61
30.11	5.11	 15	  	113.50
30.40	0.29	 16		113.21
38.39	7.99	 17	 	105.22
45.53	7.14	 18	 	98.08
	0.99			

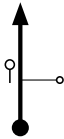




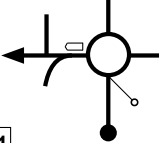


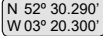



Llandudno Service Park to Newtown Tyre Fitting Zone				
143.61 km				
Distance		Direction	Information	Km to go
Total	Partial			
46.52	0.99	 19		97.09
47.40	0.88	 20		96.21
51.83	4.43	 21	 (Llan Ffestiniog)	91.78
52.46	0.63	 22		91.15
57.14	4.68	 23		86.47
72.63	15.49	 24		70.98
0.20				

Llandudno Service Park to Newtown Tyre Fitting Zone				
143.61 km				
Distance		Direction	Information	Km to go
Total	Partial			
72.83	0.20	 25	(30) <div>GANLLWYD</div> Gyrrwch yn ddiogel Drive safely	70.78
78.30	5.47	 26	(40) <div>LLANELLYD</div> Gyrrwch yn ddiogel Drive safely	65.31
78.99	0.69	 27		64.62
80.24	1.25	 28	(30) 	63.37
82.30	2.06	 29	(30) 1  2 	61.31
83.39	1.09	 30		60.22
3.34				

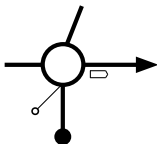




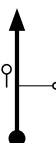

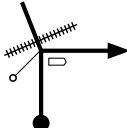
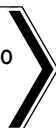
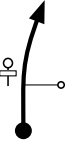

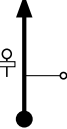

Llandudno Service Park to Newtown Tyre Fitting Zone				
143.61 km				
Distance		Direction	Information	Km to go
Total	Partial			
86.73	3.34			56.88
		31		
96.75	10.02		 	46.86
		32		
99.04	2.29		 	44.57
		33		
99.19	0.15			44.42
		34		
102.72	3.53		 ! Spectator Traffic !	40.89
		35		
104.46	1.74		 	39.15
		36		
	1.80			

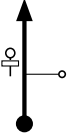
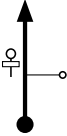
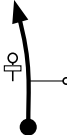
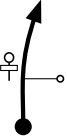
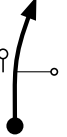
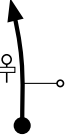
Llandudno Service Park to Newtown Tyre Fitting Zone				
143.61 km				
Distance		Direction	Information	Km to go
Total	Partial			
106.26	1.80	 37	(40) <div>CEMAES Gyrrwch yn ddiogel Drive safely</div>	37.35
108.83	2.57	 38	(40) <div>GLANTWYMYN Gyrrwch yn ddiogel CEMMAES ROAD Drive safely</div>	34.78
108.93	0.10	 39		34.68
111.68	2.75	 40	(30)	31.93
117.24	5.56	 41	(40) <div>LLANBRYNMAIR Gyrrwch yn ddiogel Drive safely</div>	26.37
119.33	2.09	 42	(40) <div>DOLFACH Gyrrwch yn ddiogel Drive safely</div>	24.28
6.66				

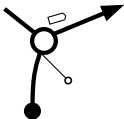

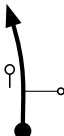

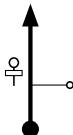


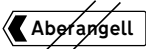
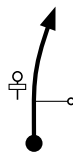

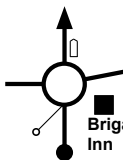
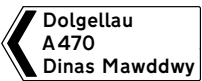
Llandudno Service Park to Newtown Tyre Fitting Zone				
143.61 km				
Distance		Direction	Information	Km to go
Total	Partial			
125.99	6.66		(40) <div>CARNO Gyrrwch yn ddiogel Drive safely</div>	17.62
130.98	4.99		(40) <div>CLATTER Gyrrwch yn ddiogel Drive safely</div>	12.63
132.51	1.53		(40) <div>PONTDOLGOCH Gyrrwch yn ddiogel Drive safely</div>	11.10
135.30	2.79		(40) <div>CAERSWS Gyrrwch yn ddiogel Drive safely</div>	8.31
135.73	0.43		(30) <div>CAERSWS</div>	7.88
136.67	0.94		<div>LOWRYCH GIVE WAY</div> <div> Drenewydd A489 Newtown Trallwng (A483) Welshpool </div>	6.94
	5.43			

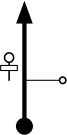

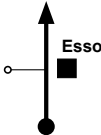
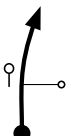


Llandudno Service Park to Newtown Tyre Fitting Zone				
143.61 km				
Distance		Direction	Information	Km to go
Total	Partial			
142.10	5.43	 49		1.51
142.60	0.50	 50	 	1.01
143.61	1.01	 51		0.00
			Enter Tyre Fitting Zone 	
				
				
				

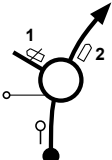
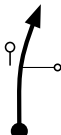
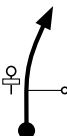
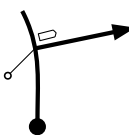

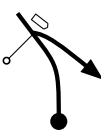
3.4 Newtown Tyre Fitting Zone to Llandudno Service Park

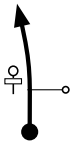
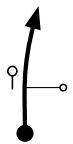
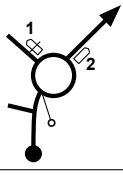


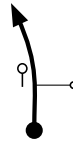


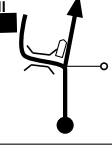
Newtown Tyre Fitting Zone to Llandudno Service Park			
145.92 km			
Distance		Direction	Information
Total	Partial		
0.00	0.00		<p>Leave Tyre Fitting Zone</p> <p> Llangurig (A470) Machynlleth A489 (A470)</p>
1.03	1.03		<p>1  Llandrindod Welshpool A489 (A483)</p> <p>2  Caersws Llanidloes A489 (A470)</p>
6.70	5.67		
7.01	0.31		<p> Caersws Carno Llanbrynmair A470 Dolgellau Machynlleth</p>
7.37	0.36		<p></p> <p>CAERSWS Gyrwch yn ddiogel Drive safely</p>
10.32	2.95		<p></p> <p>PONTDOLGOCH Gyrwch yn ddiogel Drive safely</p>
	1.54		

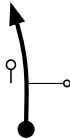
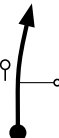


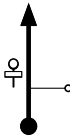
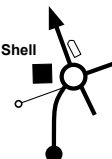
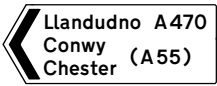
Newtown Tyre Fitting Zone to Llandudno Service Park				
145.92 km				
Distance		Direction	Information	Km to go
Total	Partial			
11.86	1.54		(40) <div>CLATTER</div> <div>Gyrrwch yn ddiogel</div> <div>Drive safely</div>	134.06
		7		
16.18	4.32		(40) <div>CARNO</div> <div>Gyrrwch yn ddiogel</div> <div>Drive safely</div>	129.74
		8		
23.79	7.61		(40) <div>DOLFACH</div> <div>Gyrrwch yn ddiogel</div> <div>Drive safely</div>	122.13
		9		
25.70	1.91		(40) <div>LLANBRYNMAIR</div> <div>Gyrrwch yn ddiogel</div> <div>Drive safely</div>	120.22
		10		
31.64	5.94		(30) <div>(Commings Coch)</div>	114.28
		11		
34.18	2.54		(40) <div>GLANTWYMYN</div> <div>CEMMAES ROAD</div>	111.74
		12		
	0.55			

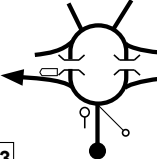

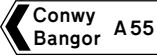

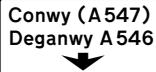
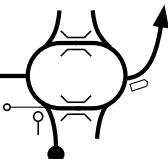

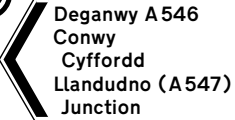
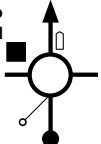
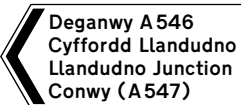
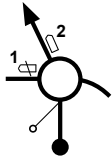

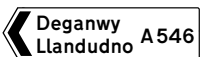
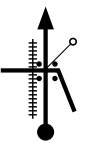

Newtown Tyre Fitting Zone to Llandudno Service Park				
145.92 km				
Distance		Direction	Information	Km to go
Total	Partial			
34.73	0.55	 13		111.19
37.02	2.29	 14	 (Cemmaes)	108.90
38.84	1.82	 15	 CWM LLINAU	107.08
40.96	2.12	 16	! Spectators ! 	104.96
44.26	3.30	 17	 MALLWYD Gyrrwch yn ddiogel Drive safely	101.66
44.46	0.20	 18 Brigands Inn		101.46
1.30				





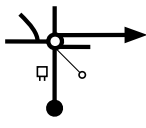


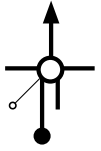
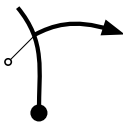
Newtown Tyre Fitting Zone to Llandudno Service Park				
145.92 km				
Distance		Direction	Information	Km to go
Total	Partial			
45.76	1.30	 19	(40) <div>DINAS MAWDDWY</div>	100.16
56.96	11.20	 20	Machynlleth A487	88.96
60.27	3.31	 21		85.65
60.64	0.37	 22	(50)	85.28
61.34	0.70	 23	(30) <div>Porthmadog A470 (A487) Betws-y-coed A470</div>	84.58
63.40	2.06	 24	(30) <div>1 Dolgellau Tywyn A493</div> <div>2 Porthmadog A470 (A487) Betws-y-coed A470</div>	82.52
	1.27			

Newtown Tyre Fitting Zone to Llandudno Service Park				
145.92 km				
Distance		Direction	Information	Km to go
Total	Partial			
64.67	1.27		<div><div>40</div><div>1</div><div><div>Abermaw</div><div>Barmouth A496</div></div></div> <div><div>2</div><div><div>Porthmadog (A487)</div><div>Betws y coed A470</div></div></div>	81.25
		25		
70.05	5.38		<div><div>40</div></div>	75.87
		26		
70.25	0.20		<div><div>30</div><div><div>GANLLWYD</div><div>Gyrrwch yn ddiogel</div><div>Drive safely</div></div></div>	75.67
		27		
86.57	16.32		<div><div>Betws-y-coed A470</div></div> <div><div>Ffestiniog 3</div><div>Blaenau 6</div><div>Ffestiniog</div></div>	59.35
		28		
90.74	4.17		<div><div>30</div><div>(Ffestiniog)</div></div>	55.18
		29		
91.24	0.50		<div><div>Betws-y-coed</div><div>Blaenau</div><div>Ffestiniog</div><div>A470</div></div>	54.68
		30		
1.99				

Newtown Tyre Fitting Zone to Llandudno Service Park				
145.92 km				
Distance		Direction	Information	Km to go
Total	Partial			
93.23	1.99	 31	40 <div>BLAENAU FFESTINIOG Gyrrwch yn ddiogel Drive safely</div>	52.69
93.80	0.57	 32	30	52.12
96.31	2.51	 33	1  Dolgellau (A470) Bala (A494) osgol pont isel avoiding low bridge 2  Betws-y-coed A470	49.61
104.43	8.12	 34	30 (Dolwyddelan)	41.49
113.34	8.91	 35	 <div>Betws-y-coed A5 Bangor Llandudno (A470) Conwy (A55)</div>	32.58
113.49	0.15	 36	<div>Llandudno A470 Conwy (A55)</div>	32.43
4.82				

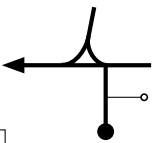
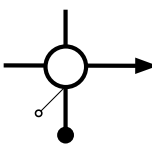
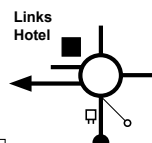
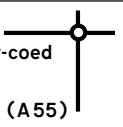
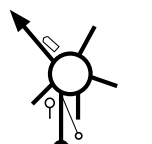
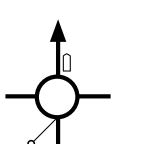
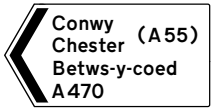
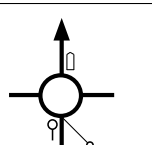
Newtown Tyre Fitting Zone to Llandudno Service Park				
145.92 km				
Distance		Direction	Information	Km to go
Total	Partial			
118.31	4.82	 37	(Llanrwst)	27.61
118.96	0.65	 38	(Llanrwst)	26.96
119.86	0.90	 39		26.06
120.01	0.15	 40		25.91
135.43	15.42	 41	LLANSANFFRAID GLAN CONWY Gyrrwch ym ddiogel Drive safely	10.49
137.58	2.15	 42		8.34
	0.09			

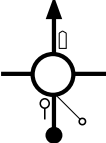

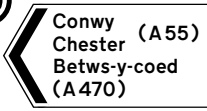
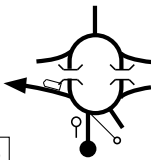

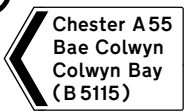
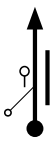


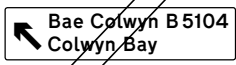
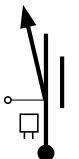
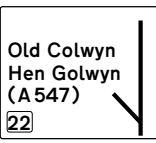
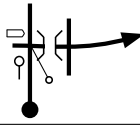


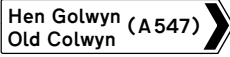
Newtown Tyre Fitting Zone to Llandudno Service Park				
145.92 km				
Distance		Direction	Information	Km to go
Total	Partial			
137.67	0.09	 43	 	8.25
138.51	0.84	 44		7.41
138.88	0.37	 45	 	7.04
139.26	0.38	 46		6.66
139.55	0.29	 47	1  2 	6.37
141.08	1.53	 48		4.84
2.19				

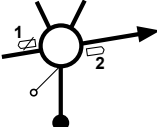


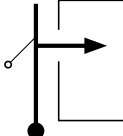
Newtown Tyre Fitting Zone to Llandudno Service Park				
145.92 km				
Distance		Direction	Information	Km to go
Total	Partial			
143.27	2.19	 49		2.65
143.58	0.31	 50		2.34
144.68	1.10	 51		1.24
145.50	0.82	 52		0.42
145.62	0.12	 53		0.30
145.73	0.11	 54		0.19
	0.19			

4

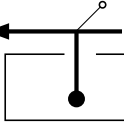
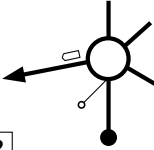
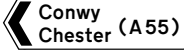
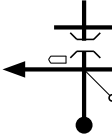

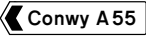



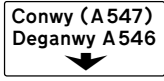
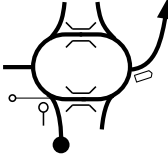
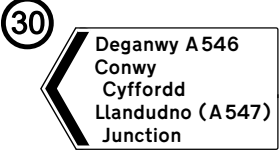
3.5 Llandudno Service Park to Colwyn Bay Light Fitting Zone

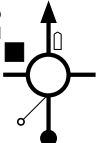
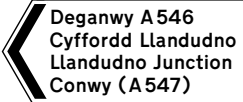
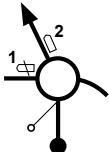
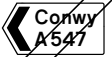
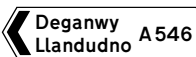
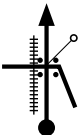

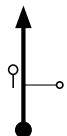


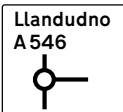
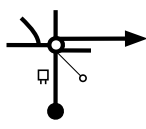

Llandudno Service Park to Colwyn Bay Light Fitting Zone				
13.26 km				
Distance		Direction	Information	Km to go
Total	Partial			
0.00	0.00	 1	<p>Leave Service Park</p> <p>N 53° 19.305' W 03° 49.180'</p>	13.26
0.28	0.28	 2		12.98
0.78	0.50	<p>Links Hotel</p>  3	 <p>Betws-y-coed A470 Conwy (A55) Chester</p>	12.48
1.59	0.81	 4	<p>30</p> <p>Betws y coed A470 Conwy (A55) Chester</p>	11.67
2.46	0.87	 5	 <p>Conwy Chester (A55) Betws-y-coed A470</p>	10.80
3.68	1.22	 6	<p>30</p> <p>Conwy Chester (A55) Betws-y-coed A470</p>	9.58
0.77				

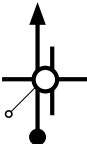

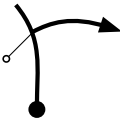
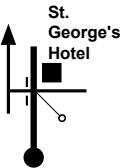
Llandudno Service Park to Colwyn Bay Light Fitting Zone				
13.26 km				
Distance		Direction	Information	Km to go
Total	Partial			
4.45	0.77	 7	 	8.81
5.74	1.29	 8	 	7.52
8.99	3.25	 9		4.27
11.00	2.01	 10	 21	2.26
11.96	0.96	 11	 22	1.30
12.32	0.36	 12	  	0.94
	0.38			

Llandudno Service Park to Colwyn Bay Light Fitting Zone				
13.26 km				
Distance		Direction	Information	Km to go
Total	Partial			
12.70	0.38	 13	1  Old Colwyn Hen Golwyn A547 2  Colwyn Bay Bae Colwyn A547	0.56
13.26	0.56	 14	Light Fitting Zone N53° 17.334' W3° 42.840'	0.00

3.6 Colwyn Bay Light Fitting Zone to Llandudno Service Park

Colwyn Bay Light Fitting Zone to Llandudno Service Park				
15.72 km				
Distance		Direction	Information	Km to go
Total	Partial			
0.00	0.00	 1	Leave Light Fitting Zone	15.72
0.53	0.53	 2		15.19
0.87	0.34	 3	 	14.85
6.84	5.97	 4		8.88
8.31	1.47	 5		7.41
8.68	0.37	 6		7.04
	0.38			

Colwyn Bay Light Fitting Zone to Llandudno Service Park				
15.72 km				
Distance		Direction	Information	Km to go
Total	Partial			
9.06	0.38	 7		6.66
9.35	0.29	 8	1  2 	6.37
10.88	1.53	 9		4.84
13.07	2.19	 10		2.65
13.38	0.31	 11		2.34
14.48	1.10	 12		1.24
0.82				

Colwyn Bay Light Fitting Zone to Llandudno Service Park				
15.72 km				
Distance		Direction	Information	Km to go
Total	Partial			
15.30	0.82	 13		0.42
15.42	0.12	 14		0.30
15.53	0.11	 15		0.19
15.72	0.19	 16		0.00
			Enter Service Park N53° 19.510' W3° 49.724'	

Welcome

This manual is provided as a guide for the installation of the WRC Tracking System Kit, for competition vehicles only. Care should be taken when considering the location of components with regard to electrical cabling and fire suppression systems already installed in the vehicle. Please check always that the components of your kit are as requested.

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1. Tracking Unit Kit Components

The WRC Tracking System Kit includes:

- WRC Tracking Installation and Fitting Kit Instruction Sheet;
- 3-in-1 antenna with leads;
- Internal radio antenna with lead;
- 6 – 24v wiring loom with plug;
- Mount, to be bolted to tunnel;
- Adjustable mount connector/knuckle.



(Contents may differ slightly to image shown)

2. Power Supply

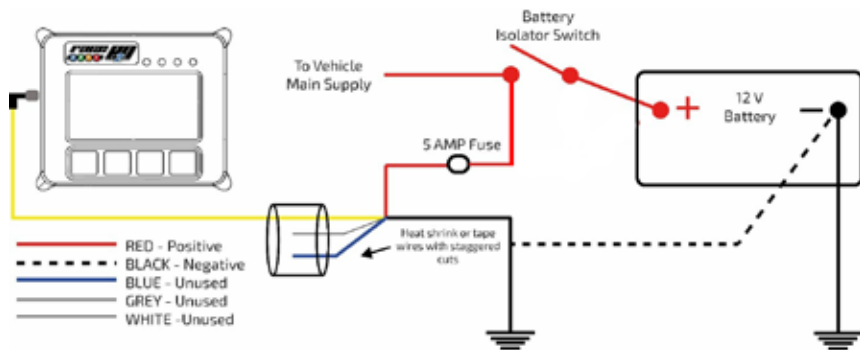
WRC tracking system requires a reliable power supply from 9 to 28 volts DC. We recommend a 5 amp (Max) blade type or similar quality fuse is used at the battery supply end of the WRC tracking system power lead.

Zero volts or battery negative can be picked up at any suitable earthing point providing the isolation switch does not switch the negative side of the battery.

The WRC tracking system unit has an internal battery that is kept charged via the car's power supply. It acts as a reserve supply to power the unit in the case of an accident where a car's power supply is interrupted (e.g. car battery smashed or dislodged).

3. Connection Diagram

The 6-24v wiring loom, includes five wires. The white blue and grey wires must be stagger cut and heat shrunk or taped back so they cannot short to ground or to each other. Red and black are used as follows:

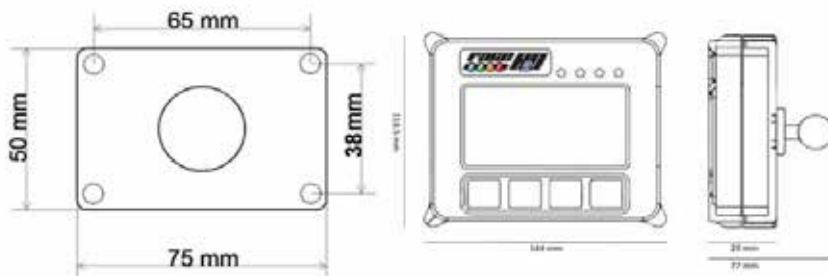


RALLYSAFE 12V WIRING DIAGRAM

During installation, the wiring loom should be routed away from the engine compartment, Ignition or Alternator wiring.

300 mm of Power Supply Wiring Loom is required to be available for connection to the WRC Tracker Unit at the mounted position.

4. Tracking Unit Dimensions



5. Tracking Unit Mounting

The preferred location and mounting for the WRC tracking system unit is a RAM style 50mm x 75mm flat base with ball, bolted through the tunnel with four **M6** Bolts.

It should be in a central, protected location on the central tunnel in front of the seats and both easily visible and accessible by both the driver and co-driver/nav.

Care should be taken when considering the location of the Mounting Point with regard to electrical cabling and fire suppression systems installed in the vehicle.

Photographs of mounting and positioning can be seen in Fig.1 and Fig.2 respectively.

Alternatively, the WRC tracking system unit can be mounted in a central protected location on the vehicle dashboard that is easily visible and accessible by both the driver and co-driver.

Mounting is a Ram style 50mm x 75mm flat base with ball, bolted with four **M6** bolts through the dashboard and a compulsory 3mm backing plate measuring no less than 145mm x 120mm



Figure 1. 25mm rubber ball securely attached to the tunnel



Figure 2. The WRC tracking unit mounted onto the 25mm rubber ball mount and connected through the RallySafe connector

6. Antenna Installation

All leads on both external and internal antennas must run on the inside of all roll cage bars. This is to stop cable crushing on impact.

Antenna must not be mounted within 200 mm of any high frequency antenna's or cabling

The preferred route is to go down from the antenna, underneath the closest part of the roll cage (roof cross or main hoop), follow that along to the roof hoop, then go down the inside A pillar to the unit. Please allow 200mm clearance of high frequency antenna or cabling

Any excess cable must be run so that the cable is not bent any tighter than a 100mm radius. We recommend running it across the underside of the dash and back (do not coil in tight loops).

Cables must be tied neatly along the whole installation all the way to the unit so they can't be accidentally caught or dislodged.

All this will be checked at scrutineering and you may be required to fix it before your car can pass.

6.1. External Antenna

The antenna is mounted through a 12mm hole in a central location on the ROOF of the vehicle, rear of the main roll bar hoop, allowing the cabling to pass through the roof and follow the cage bars back to the unit location. The antenna is a fully watertight unit, which seals against the roof surface.



Antenna leads are connected as follows (There may be variations with the type and number of leads).

1. The 2 UHF leads, colour-coded **Blue**, is connected to the terminal labelled "UHF" on the WRC unit (Right Hand Thread). Terminals are located of the rear of the unit and/or colour-coded Blue.
2. The Satellite Communication antenna lead is connected to the center or rear terminal labelled "IRI" (Left Hand Thread). It may also be colour-coded **Yellow** (this may be not marked on the 2-in-1 antenna).
3. The GPS antenna lead labelled "GPS", is connected to the terminal labelled "GPS" on the WRC unit (Right Hand Thread). Terminals may be on the side or rear of the unit and/or colour-coded **Green**.
4. GSM, has a small stick antenna supplied with the WRC unit, and is connected to corresponding terminal labelled "GSM" on the WRC unit (Left Hand Thread). The terminal is located on the rear of the unit and/or colour-coded **Red**.

6.2. Internal Antenna

The Internal Antenna should be placed on the inside of the ROOF in a clear uncluttered area, with a 200mm radius clear of any bar work or solid metal object. The internal antenna has a magnetic base with double-sided tape for adhesion. The cable is then run to the WRC unit. Please keep cable on the inner side of the roll cage pipework so as not to be crushed in the event of an accident.

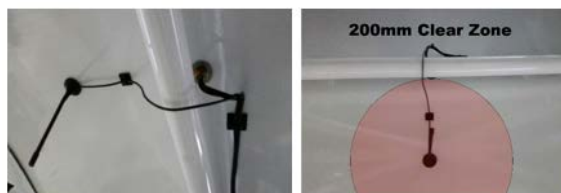


Figure 3. The internal antenna must be at least 200mm away from any roll cage components

7. Contact Us

For assistance, please contact the RallySafe Support Team by emailing: support@rallysafe.com.au

Product Disclaimer

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Appendix 5

WRGB National Rally

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5.1 WRGB National Rally Information

1. Service Park

1.1 Location

The Service Park will be located in the area next to Venue Cymru, Promenade, Llandudno LL30 1BB.

The GPS reference is N53 19.365 W3 49.186. The surface is predominantly asphalt.

1.2 Operation

The Service Park opens at 08.00 on Thursday 3 October. There will be no access before this time. Each competitor will receive a service bay area of 6 x 6m.

If you would like to service adjacent to another competitor, please advise us as soon as possible by completing the Service Park form available at www.walesrallygb.com/competitors/national.

Please note that it is not possible for National competitors to service together with International competitors.

Private toilets, water connections and power is available to order by completing the Service Park Facilities Request form in the National Competitors Document and Forms section of www.walesrallygb.com.

Free of charge WiFi will be available for all competitors in the Service Park. Access details will be provided by the Rally Office at documentation.

National Rally teams are not permitted to share service space with International Rally teams.

1.3 Management Cars

Management or chase cars are prohibited on the event.

1.4 Environmental Requirements

A car wash facility will be available near the Service Park. Washing cars within the service park is prohibited at any time. Wheels and other parts may be washed in the designated wash bays set up within the service park.

All competitors must put in place a suitable size plastic ground sheet to cover the whole area where service work is being carried out. This ground sheet must be impervious to all fluids. Cleaning of the ground sheets must be done so that no materials are allowed to come into contact with the ground surface. All waste material must be disposed of in the facilities provide at the service park.

It is the entrant's responsibility to ensure that their service crew leaves their service bay area free from any litter and hazardous material.

1.5 Health & Safety Requirements

General rules and guidance relating to use of the Service Park are available at www.walesrallygb.com. These rules and guidance notes are applicable to ALL team personnel. All competitors are responsible for ensuring compliance with these guidelines as well as the UK law relating to Health and Safety. The guidance notes provide links to the relevant legislation.

It is a requirement that every team of 5 people or more undertake their own risk assessments, a form confirming that this has been carried out is available at www.walesrallygb.com. It must be completed and submitted at administrative checks.

Generators are permitted in the Service Park however these must be super silent diesel or LPG. Generators must be fenced off to restrict access to competent personnel only.

NO PETROL GENERATORS ARE PERMITTED ON THE SITE AT ANY TIME

3. Documentation and Scrutineering

3.1 Schedule

Scrutineering and Documentation will take place at the following times:

Thursday 3 October 09.00 - 14.00

A detailed scrutineering schedule will be published online at www.walesrallygb.com. Car decals must be collected from the Rally Office prior to attending Scrutineering.

3.2 Documentation

Documentation will take place in the Rally Office.

Car camera permits will be available at Documentation. Competitors running a camera must apply the provided sticker to the dashboard of the car prior to attending Scrutineering.

3.3 Scrutineering Location

North Wales Honda, Mostyn Broadway, Llandudno LL30 1YR

4. Competitors' Insurance and Declaration

Entrants and drivers must have valid insurance as is required by the Road Traffic Act, covering them against liability for both personal injury to, and damage to the property of third parties on public road parts of the event.

Road section insurance from REIS will be available at Documentation.

5. Refuelling

Competitors are permitted to refuel in the following manner

Commercially available pump fuel dispensed from pumps at filling stations marked in the road book.

Fuel supplied and distributed by the operator of the Refuelling Zones marked in the road book and the Service Park.

For environmental and safety reasons NO refuelling is permitted by any competitor within the Service Park (no refuelling from cans, drums or similar).

6. Tyres

Competitors have no restrictions on the quantity of tyres that can be used however all tyres must be included in List 6 of Section L of the MSA Year Book.

7. Event Start Procedure

The rally will start from Llandudno Service Park at 08:30 on Friday 4 October.

8. Event Finish Procedure

The rally will finish at TC17A at Llandudno Service Park. Crews must follow the instructions of officials at all times during the podium ceremony.

Awards will be presented at the finish ramp.



Appendix 5.2 WRGB National Rally Itinerary

2019 WRGB NATIONAL RALLY						
			N1.5.1		26 August 2019	
Start (Section 1)						
Friday 4th October 2019						
TC SS	Location	SS Dist. Miles	Liaison Dist. Miles	Total Dist. Miles	Target Time	First Car Due
1C	Llandudno - Start	-	-	-		08:30
RZ	Refuel - Llandudno	-	-	-		
3	Distance to next refuel	(18.29)	(74.67)	(92.96)		
2		-	22.88	22.88	0:48	09:18
SS 2	Elsi	7.24	-	-		09:21
PC 2	Stage Exit	-	-	-		(09:29)
3		-	4.11	11.35	0:25	09:46
SS 3	Penmachno	10.06	-	-		09:49
3A	Stage Exit	-	1.56	11.62	0:20	10:09
8		-	13.01	13.01	0:26	10:35
SS 8	Slate Mountain	0.99	-	-		10:38
8A	Slate Mountain Regroup - In	-	0.38	1.37	0:06	10:44
8B	Regroup - Out	-	0.03	0.03	0:30	11:14
RZ	Refuel - Mallwyd	-	(32.71)	-		
4	Distance to next refuel	(18.40)	(82.38)	(100.78)		
4		-	48.42	48.42	1:45	12:59
SS 4	Dyfnant	12.03	-	-		13:02
PC 4	Llanwddyn	-	-	-		(13:22)
5		-	14.94	26.97	0:54	13:56
SS 5	Aberhirnant	6.38	-	-		13:59
5A	Stage Exit	-	0.85	7.23	0:11	14:10
PC 5	Ty Cerrig	-	-	-		(14:20)
5B	Llandudno - In	-	50.88	50.88	1:42	15:52
Friday Totals		36.70	157.05	193.74		
					Sunrise - Elsi	07:21
					Sunset - Aberhirnant	18:45
Re-Start (Section 2)						
Saturday 5th October 2019						
TC SS	Location	SS Dist. Miles	Liaison Dist. Miles	Total Dist. Miles	Target Time	First Car Due
10G	Llandudno - Out	-	-	-		10:30
RZ	Refuel - Llandudno	-	-	-		
7	Distance to next refuel	(16.07)	(115.87)	(131.93)		
11		-	62.70	62.70	2:06	12:36
SS 11	Dyfi	16.07	-	-		12:39
PC11	Ceinws	-	-	-		(12:59)
13C	Newtown Regroup - In	-	38.63	54.70	1:50	14:29
13D	Newtown Regroup - Out	-	0.04	0.04	0:35	15:04
RZ	Refuel - Llanddies	-	(14.49)	-		
8	Distance to next refuel	(30.17)	(26.56)	(56.74)		
14		-	27.09	27.09	0:55	15:59
SS 14	Myherin	14.24	-	-		16:02
PC 14	Stage Exit	-	-	-		(16:21)
15		-	4.13	18.37	0:51	16:53
SS 15	Sweet Lamb Hafren	15.94	-	-		16:56
15A	Dolydd	-	0.54	16.48	0:28	17:24
RZ	Refuel (FIA Fuel) - Llanbrynmair	-	(9.29)	-		
10	Distance to next refuel	(0.00)	(74.49)	(74.49)		
17A	Llandudno - Finish	-	83.78	83.78	2:48	20:12
Saturday Totals		46.24	216.92	263.16		
					Sunrise - Dyfi	07:20
					Sunset - Sweet Lamb	18:45
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TOTALS OF THE RALLY						
	SS	Liaison	Total		%	
Friday 4 October						
Section 1 - 5 SS	36.70	157.05	193.74	% of Special Stages	18.9%	
Saturday 5 October						
Section 2 - 3 SS	46.24	216.92	263.16		17.6%	
Total - 8 SS	82.94	373.97	456.91		18.2%	





WALES RALLY GB

A WORLD APART

3-6 OCTOBER 2019



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