



GLOBAL PRO KEIRIN RACING

Race Manual



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INTRODUCTION

DERBYWHEEL INTRODUCTION

DerbyWheel (DW) is a new global Pro Keirin Racing sports event focusing on globalizing historic Professional Keirin Track Cycle Racing which currently is organized largely as a closed domestic enterprise in Japan and Korea.

DW's intent, mission and goal is to create an open Professional Keirin League with equal accessibility available for the entire cycling family providing benefits to riders, venues and other stakeholders across the globe.

Our vision is to establish an annual calendar hosting DW events each week across multiple territories which will generate revenue from tickets sales, sponsorship and media rights including the distribution as sports betting content to legitimate book makers across the world.

Our plan is to host an exhibition event at the start of March 2024 and introduce the first full DW season in April 2024.

This Race Manual provides information for Riders and Federations.

BENEFITS OF DERBYWHEEL

DW will provide a new foundation to the track cycling ecosystem that will help make the economic model of the sport more sustainable and facilitate growth. Benefits will include:

- **Riders** - DW events will provide significant additional earning potential for riders at all levels making the sport sustainable for existing riders and providing a pathway for new riders to enter the sport.
- **Talent Development** - DW will provide a pathway to develop riders through the creation of Keirin academies. We will work with Federations to complement their existing talent development programmes.
- **Venue Utilisation** - DW events will utilise velodromes across the globe providing important sources of revenue and content.
- **Charitable Initiatives** - DW will invest in charitable and community initiatives to create a positive impact.

KEY INFORMATION FOR RIDERS

This document provides an initial overview of the main elements of DW races and protocols for riders. A full Race Manual and Player handbook will be created and available ahead of the induction process.

Summary of key information for riders:

Rider Eligibility	DW is open to male and females from age 19 upwards and a wide range of physical abilities.
Calendar	The DW calendar will provide regular races across the year providing a consistent season. In 2024 events are planned every 2 weeks (26 events in total). From 2025 events will be hosted weekly. It is not compulsory to ride every event - once the calendar is published riders can indicate their availability then will be notified of their schedule. Depending on your availability riders could expect to race 10+ times each season.
Prize Money	Riders will be able to earn considerable prize money across the season - a standard DW event will provide a prize fund of \$600k (maximum / minimum / average earnings per 3 day event = \$44k / \$3k / \$10k).
Rider Equipment	Riders will be required to race using the standardised DW bike and approved components + DW helmet and race uniform.
Provisions for Riders	All riders will receive additional support to participate in DW events including: <ul style="list-style-type: none">○ Travel, accommodation and meals will be provided at each event.○ Rider insurance will be provided across the season to cover accident and damage to bikes.
Integrity	Integrity is a key part of DW events with strict adherence to UCI Regulations and Code of Ethics for anti-doping, prevention of competition manipulation, technical fraud and safeguarding athletes.

HOW TO BECOME A DERBYWHEEL PLAYER

REGISTRATION PROCESS

All riders who are interested in becoming a DW Rider (Player) should register your interest using the form on www.derbywheelplayer.com. The full registration form will be available in due course.

The registration process will include the following stages:

- 1. Registration Form** - riders will be required to complete the full registration form providing details of your race results and other performance data.
- 2. Rider Induction** - all riders who meet the minimum requirement will be invited to attend the rider induction where you will be fully briefed and tested to determine your classification - see induction section below.
- 3. Rider License** - all riders who are approved will be allocated a DW licence to enable them to compete in DW events.

ELIGIBILITY CRITERIA

Players must meet a minimum level of Keirin race experience. Eligible riders will include:

- Current Riders - elite UCI / National Federation license holders.
- Current riders registered with Korea / Japan Keirin Authority.
- Former Riders / Masters - active riders who have previous top level Keirin race experience.
- Riders who do not fall into any of the above criteria, but have sufficient Keirin race experience and abilities to pass the DW induction process
- Riders must be aged 19 to participate in DW events.

Riders will be required to meet a minimum physical ability to gain a DW licence. This will be determined by a series of tests that will put you into your category of competition. The minimum standards for General B class for the 2024 season are detailed in the table below. All tests are to be completed on DW standardised equipment.

TEST	MEN	WOMEN
200m FLYING START	12.5 seconds	13.5 seconds
500m STANDING START	39 seconds	43 seconds
1000m STANDING START	1m 18 seconds	1m 25 seconds

RIDER CLASSIFICATION & CATEGORIES

Rider classification will follow a similar model to Pro Keirin Racing in Japan / Korea:

- Players will only race against other riders in the same class.
- There are three classes for all players: Special, Excellent and General.
- In addition to the player class, there are levels that indicate the superiority and inferiority of each player within same class.
- Classes are divided into S1~3 for special class, A1~3 for excellent class, and B1~3 for general class. Therefore, the skills of actual players are divided into a total of 9 levels.

Class	Special			Excellent			General		
Level	S1	S2	S3	A1	A2	A3	B1	B2	B3

Ahead of the first DW season players will be classified during the induction process. Players will then score points at each DW event and players' class will be recalculated based after each event - for more details refer to the race points section.

More prize money will be awarded to the races of the higher classes providing motivation for riders to perform and move up a class.

INDUCTION PROCESS

All riders who meet the minimum eligibility requirements will be invited to the induction process. Induction centres will be established at selected velodromes in Europe, Oceania and Asia and scheduled in Autumn 2023 (exact dates and locations TBC). The induction process will include the following:

- Introduction to DW and full briefing on all aspects of DW racing and player responsibilities.
- Education in sports integrity.
- Testing to determine rider eligibility and class including:
 - Written examination.
 - Practical test.
 - Physical examination
 - Interview

DW may exempt a person from parts of the qualification tests who falls within the following categories:

- Candidates who have passed the graduation recognition standards of the DW Keirin Training Center (TBC).
- A person registered as a Keirin racer by a National Federation or Keirin Racing Authority..
- Those who have achieved grades in the following cycling track events within previous 5 years: Olympics (1-10), World Championships (1-3), Nations Cup / World Cup (1-3), Continental Championships (1-3).

PLEASE NOTE: Riders will be required to pay travel expenses to attend the induction centres which will be reimbursed to all riders who successfully become a DW Player.

DERBYWHEEL EVENTS & CALENDAR

DERBYWHEEL EVENTS

To launch DW we are planning an exhibition event on 01-03 March 2024 in the UK.

The first full DW season will begin in April 2024 and will feature the following event types:

- **Standard Events** - Standard events will take place at different velodromes internationally. In 2024 standard events will take place every 2 weeks and from 2025 onwards events will take place every week.
- **Special Events (including Grand Prix Events)** - Special events featuring the best performing Players. Players will be able to qualify for the Special events based on performance and points across the season - details of special events will be notified in due course.

CALENDAR

DW events will be hosted in three continents initially: Europe, Oceania and Asia. Calendar dates and locations will be announced later in 2023 ahead of the induction process.



SELECTION CRITERIA

As DW is becoming established in the first season, riders will be asked to advise which events they are available to participate.

Where necessary the following selection criteria will be used:

- Riders will be rotated between events to ensure equal access to standard races across the season.
- Priority will be given for riders to participate in events in their region.
- Remaining places will be offered to riders outside the region following the rotation protocol.
- Riders will qualify to participate in special events.

COMPETITION FORMAT

RACE FORMAT & REGULATIONS

Racing will be run under the standard Keirin rules in the UCI regulations and DW Race Regulations. For general rules and regulations please refer to the [UCI Track Cycling Regulations](#)

- 250m tracks: 6/7 riders per Keirin race over 6 laps - first 3 laps behind the derny.
- 333m tracks: 7 riders per Keirin race over 6 laps - first 3 laps behind the derny.
- Players must remain behind the derny in their start position until the derny pulls off the track.
- Race seeding will be defined in the DW Race Regulations.

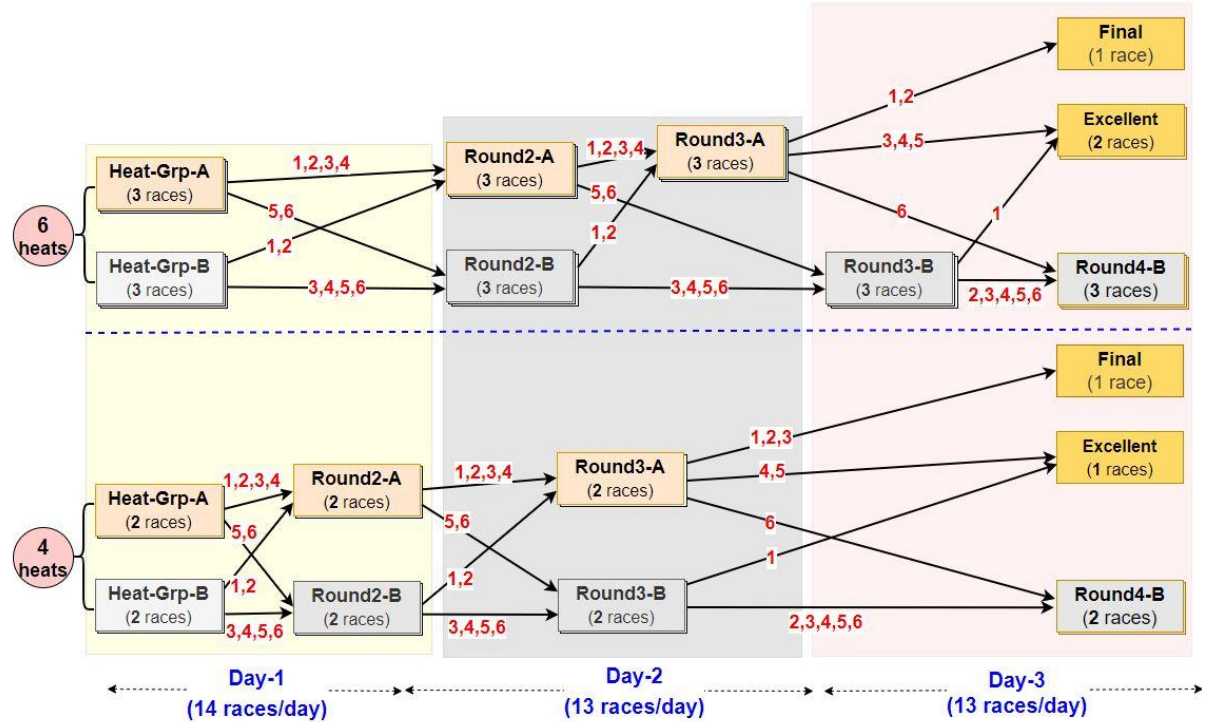
TOURNAMENT STRUCTURE

The tournament structure will feature heats with progression to quarter finals > semi finals > finals. There will be opportunities for riders to move up or down in the different category of finals.

Each tournament will feature male and female competitions. Our aim is to have an equal number of riders in each tournament but the proportion of male and female riders in each tournament may vary depending on rider availability.

The tournament structure shown right will be implemented at the exhibition event..

Different tournament structures will be applied to regular races and Special Events based on the rider composition.



POINTS SYSTEM

DW events will utilise a points system similar to the model used in Korea. The points system will be used to manage the classification of all Players and will also be part of the data provided to the public - used as an indicator to predict the actual skill of each player.

- Points will be awarded to every Player based on race results.
- Points calculation is different depending on Player level and race type (heats / semis / finals).
- Race points will calculate the rankings of each Player in each race.
- Player level will be adjusted on a weekly basis based on the ranking by race points.
- Player class will be adjusted based on the average points accumulated over a 6 month period.
- More prize money is available for higher classes providing an incentive for Players to move to a higher class.

SPECIAL CLASS UPGRADES

Special promotions or down grades will be applied based on:

- Promotion: if 1st and 2nd place is achieved 2 events (8 races) consecutively, special promotion to upper class.
- Downgrade: if 5th and 6th place is recorded 2 times consecutively, special demotion to lower class.

KOREA KEIRIN RACE TABLE

The table below is an example of rider data available to the public.

경명 16경주 (독선결승) 5주회 1691m 출발 18:42																			
번호	선수명	기수	나이	기어 배수	200M 기록	훈련지	승률 (%)	연 대 율 (%)	삼 연 대 율 (%)	입상 / 추천 횟수	입상전법				등급 조정		최근3회 평균득점		최근3회 총 5위
											선행	첫하기	추입	마크	①	②	③	④	
1	Aaa	18	36	3.92	11"09	동서울	48	76	86	50/54	0	5	21	24	S1	S1	101.15	101.15	7/549
2	Bbb	21	35	3.92	11"06	세종	62	71	81	37/48	5	8	16	8	S1	SS	100.58	100.58	11/549
3	Ccc	17	36	3.92	11"08	동서울	33	56	78	24/36	6	2	7	9	S1	S1	99.80	99.80	18/549
4	Ddd	23	33	3.93	11"04	인천개인	11	33	50	14/45	0	5	4	5	S2	S2	98.12	98.12	41/549
5	Eee	26	28	3.93	10"90	세종	6	65	82	32/41	6	8	11	7	S1	S1	99.98	99.98	16/549
6	Kkk	22	33	3.93	10"99	동서울	46	85	92	38/41	4	10	18	6	SS	SS	101.99	101.99	3/549
7	Ooo	20	36	3.93	10"96	김포	87	93	93	53/54	6	14	31	2	SS	S1	101.55	101.55	5/549

Detailed explanation of the items can be [viewed here](#).

1. Current class/level of Player
2. Previous class/level of Player
3. Average race points from last 3 events in Speedom
4. Average race points from last 3 events in all velodromes
5. Overall ranking of the Player (current ranking / total Players)

*Generally, the higher the points, the better the Player.

RACE PROTOCOLS

Integrity is a crucial part of DW racing (please refer to integrity section below). We will be enforcing the following race protocols at each DW event:

- All Players will remain in the event bubble from arrival until departure to eliminate any external contact.
- Players will be required to hand in their mobile phone and any other communication devices on arrival at the velodrome each day.
- Players will remain in isolation in the Player enclosure throughout the event.
- Players will only enter the track infield for their race. Except for their race, Players are not permitted to enter the infield or track while spectators are in the stands.
- Players must avoid any contact or form of communication with spectators during their race.

A full race protocol briefing will be provided during the induction process and at Player briefing before each event. A comprehensive guidelines document will be provided in the Player handbook.

JUDGING PROTOCOLS

Judging will be a critical part of the DW race operations to ensure fair and accurate race results. The judging team are responsible for overall race operation, ranging from the start to mid-race to finish order decisions.

To assist the judges various cameras will be used:

- Finish order judging cameras in different angles.
- Broadcast cameras at key positions.
- Sky view camera (if applicable).

JUDGING PROCESS

Final finishing order of each Player is generally decided by the naked eye, endless camera, and broadcasting Cameras.

In case that the finish line arrival situation is complicated, finish order judging cameras will be relied upon which can accurately judge up to 1/1000 second difference.

Final judgement from the referees will determine the approved race results - if an infringement has been identified by the judges disqualification and implementation of immediate sanctions for the violated player(s) will be made.

Category	Judge	Role
General Judges (Situation Room)	Chief Judge	Oversees overall race and results process
	Assistant Chief Judge	Assists Chief Judge and oversees judging. Becomes Chief Judge if the Chief Judge is absent
	Record-keeping Judge	Prepares race records including performance sheet and reviews violations
	Announcement Judge	Responsible for announcements such as disqualification, accident, review violations
	Pacer Judge	Manages and trains pacers
	Race Operation Judge	In charge of race operations. Notifies relevant judges of incidents
	Equipment Operator	Operates and manages finish order devices, judging devices and other equipment
Track Judges (Track)	Start Judge	Oversees judging and race starter
	Starter / Lap Judge	Delivers instructions to riders before the race start and manages the lap board
	Bell Judge	Rings bell to inform riders of final lap
	Lane Operator	Checks the race lane and assists riders in case of accident

EXAMPLE SCHEDULE

Each DW event will take place across 3 days according to the tournament structure.

There will be approximately a 15-20 minute break between each race.

Indicative schedule detailed right - exact timings and structure to be confirmed.

OFFICIAL TRAINING SESSIONS

Training sessions will be available at the velodrome each morning.

EVENT SCHEDULE

DAY	ACTIVITY
THURSDAY	Arrival / bike inspection / medical check / group training / briefing
FRIDAY	Race day 1
SATURDAY	Race day 2
SUNDAY	Race day 3
MONDAY	Departure

EXAMPLE RACE PROGRAMME

No	Start	Finish	Event
	14:00	14:20	Opening
1	14:20	14:25	Race 1
2	14:45	14:50	Race 2
3	15:10	15:15	Race 3
4	15:35	15:40	Race 4
5	16:00	16:05	Race 5
6	16:25	16:30	Race 6
7	16:50	16:55	Race 7
	16:55	17:20	<i>Entertainment</i>
8	17:20	17:25	Race 8
9	17:45	17:50	Race 9
10	18:10	18:15	Race 10
11	18:35	18:40	Race 11
12	19:00	19:05	Race 12
13	19:25	19:30	Race 13
14	19:50	19:55	Race 14
	19:55	20:00	Closing

Please note: Timings are approximate and will adjust depending on the tournament stage. A typical daily programme will be 5-6 hours in duration.

PRIZE MONEY

PRIZE MONEY MODEL

Prize money will be awarded for each race to incentivise riders to race for every position.

The total prize fund for the special class of a standard DW event will be \$600k - Grand Prix prize fund will be higher*.

Maximum earnings = \$44k
Minimum earnings = \$3k
Average earnings = \$10k

*The prize fund for the Excellent / General class will be lower than the special class.

PLEASE NOTE:

Prize money will be paid to Players nominated bank accounts following each event.

In accordance with the tax regulations of the country where the event is held, the actual amount is paid after deducting the tax.

DW Prize-money Table (Amount unit : USD)

*Note1 : Relative ratio of total prize money for each race by race grade/No. of heats

	N-heat	S-heat	Q-final	S-final	Excellent	Final
6-Heat	1	2.0	2.5	3.0	3.5	12.0
4-Heat	1	2.0	2.4	2.8	3.3	10.0

*Note2 : Prize distribution % by placing

	1st	2nd	3rd	4th	5th	6th
Normal/heat	22.1%	20.1%	18.2%	14.2%	13.2%	12.2%
Q/S-final, Excell.	22.8%	20.8%	18.7%	14.6%	12.6%	10.5%
Final	40.0%	17.0%	15.0%	11.0%	9.0%	8.0%

1. 6 Heats Riders= 36 Budget = 360,000 (Actual prize money by each placing, rounded)

Round	level	races	per race	1st	2nd	3rd	4th	5th	6th	total prize	
Rd-1	Grp-B-heat	3	6,720	1,490	1,350	1,220	950	890	820	20,160	
	Grp-A-heat	3	13,440	2,970	2,700	2,450	1,910	1,770	1,640	40,320	
Rd-2	Normal	3	6,720	1,490	1,350	1,220	950	890	820	20,160	
	Q-final	3	16,800	3,830	3,490	3,140	2,450	2,120	1,760	50,370	
Rd-3	Normal	3	6,720	1,490	1,350	1,220	950	890	820	20,160	
	S-final	3	20,160	4,600	4,190	3,770	2,940	2,540	2,120	60,480	
Final	Normal	3	6,720	1,490	1,350	1,220	950	890	820	20,160	
	Excellent	2	23,520	5,360	4,890	4,400	3,430	2,960	2,470	47,020	
	Final	1	80,640	32,260	13,710	12,100	8,870	7,260	6,450	80,650	
				Best scored(1st-1-1-1)=				43,660	* Grand total=		359,480
				Worst scored(6th-6-6-6)=				3,280			

2. 4 Heats Riders= 24 Budget = 240,000 (Actual prize money by each placing, rounded)

Round	level	races	per race	1st	2nd	3rd	4th	5th	6th	total prize	
Rd-1	Grp-B-heat	2	6,720	1,490	1,350	1,220	950	890	820	13,440	
	Grp-A-heat	2	13,440	2,970	2,700	2,450	1,910	1,770	1,640	26,880	
Rd-2	Normal	2	6,720	1,490	1,350	1,220	950	890	820	13,440	
	Q-final	2	16,128	3,680	3,350	3,020	2,350	2,030	1,690	32,240	
Rd-3	Normal	2	6,720	1,490	1,350	1,220	950	890	820	13,440	
	S-final	2	18,816	4,290	3,910	3,520	2,750	2,370	1,980	37,640	
Final	Normal	2	6,720	1,490	1,350	1,220	950	890	820	13,440	
	Excellent	1	22,176	5,060	4,610	4,150	3,240	2,790	2,330	22,180	
	Final	1	67,200	26,880	11,420	10,080	7,390	6,050	5,380	67,200	
				Best scored(1st-1-1-1)=				37,820	* Grand total=		239,900
				Worst scored(6th-6-6-6)=				3,280			

BIKES & EQUIPMENT

BIKES & EQUIPMENT

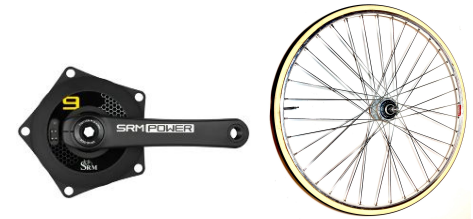
All DW Players are required to use the standardised bike frame and components to ensure a level playing field for all DW Players. Bike setup will include a modern carbon frame with power cranks mixed with traditional keirin race wheels.

Frames and equipment must be kept with the utmost care. A strict 20 point Bike check will be carried out before each competition day. Any piece that does not pass will need to be replaced. Frame and equipment will be purchased from approved distributors only - please refer to the list [approved parts and components](#).

DW Players are required to purchase their own bike and components. DW will cover the cost of race bikes initially after you have completed the induction process. The total amount will then be deducted from the first competition prize money.

Compensation may be awarded for damages during the event refer to [insurance section](#).

Riders will be obligated to ride with SRM PM9 power meters - the data will be shared with fans highlighting peak powers along with race data to be shared with integrity agency Sportradar.



HELMETS & PROTECTION

All DW Players will be required to race using the standardised DW race helmet - this is the same helmet used in Japan and Korean Pro Keirin racing.

The race helmet is designed to provide a high level of protection and the standardised approach will ensure a level playing field. Helmet covers will be provided to identify start number / position.

Helmets must be purchased by riders (approximate cost is \$200). Helmets will be provided by DW and deducted from the first competition prize money.



RACE UNIFORM

DW Players will wear the official race uniform which will identify start position / number. These will follow the standard colour protocol shown in the graphic.

Players will also wear official shorts which will identify their classification.

Race uniform will be provided by DW each day depending on the start position for each race.



PERFORMANCE DATA

Riders are required to race with power meters and provide power data. This will provide important data to fans and will be play a part in our integrity measures.

The approved power meter will be the SRM PM9 Pro. Riders will be required to purchase the power meter which will be deducted from the first competition prize money.

PM9 PRO FUNCTION

The **SRM PowerMeter9 PRO** function lets you record your ride to the internal memory of your PowerMeter. You can connect your PowerMeter directly to your heartrate belt and your speed sensor. Once the PRO function of your PowerMeter has been activated by SRM, you will see additional fields on the status page of your PowerMeter 9 App. Please make sure that you have an active internet connection, when you connect to your PowerMeter for the first time after activation.



DATA RECORDING: This toggle activates your memory. Once activated the PowerMeter will record every ride and save it as a normal .fit file. The files will be named and sorted using the date and time. If you cannot see this field, your PowerMeter does not have the PRO function activated, yet.

TORQUE RECORDING: This toggle activates the torque recording function.

DEVICE IDENTIFIER: Give your PowerMeter an individual name that is saved in the .fit file.

HR SENSOR: Connect your PowerMeter to your HR belt by pressing the search button. The PowerMeter will connect to the first HR-belt it finds. **You can make sure that it is the correct sensor by switching to the real-time page.**

SPEED SENSOR: Connect your PowerMeter to your speed sensor by pressing the search button. The PowerMeter will connect to the first speed sensor it finds. **You can make sure that it is the correct sensor by switching to the real-time page.**

Time: Push the arrow button to synchronize the time of your PowerMeter to the time of your phone. This time will be used to name and sort your .fit files.

PROVISIONS FOR PLAYERS

TRAVEL & ACCOMMODATION

A comprehensive travel service will be provided for DW Players - travel, accommodation, transportation and meals will be provided for each event. All travel and accommodation will be coordinated by the DW Official Travel Agency.

The following protocols will apply:

- DW will provide 4 nights accommodation at the designated official event hotel (Wednesday to Sunday).
- If Players wish to arrive or depart on alternative days they will be required to pay for additional accommodation.
- DW will provide meals according to the schedule provided including breakfast, lunch and dinner.
- Airport transfer will be provided and managed by the Official Travel Agency on the designated arrival and departure days including bike transportation.
- A shuttle service will be provided between the event hotel and velodrome.
- Flights must be booked using the Official Travel Agency - if a Player misses their flight or requests a change the costs will be charged to the Player.
- Any Players who are able to travel to the event via car will be provided a travel subsidy.

VISAS

Players will be responsible for organising relevant visas to participate in DW races - the DW organisation will provide official invitation letters and assist with the visa application process.

INSURANCE

Two types of insurance will be provided to Players which will be valid for participation in DW events:

- Accident / injury insurance
- Compensation for damage to bikes

Full details of the insurance policies and provision will be provided ahead of the first season.

INTEGRITY

INTEGRITY PROTOCOLS

DW events and races will be organized and conducted as the perfected example of the pinnacle of integrity through strict adherence to UCI Regulations and Code of Ethics for anti-doping, prevention of competition manipulation, technical fraud and safeguarding athletes.

Integrity is a top priority so the following measures will be implemented for all DW events:

- **Preventative Measures** - The DW team has decades of experience of developing and managing integrity measures for Korean Pro Keirin racing. This methodology and preventative measures will be applied to DW races.
- **Integrity and Monitoring Agency** - DW will partner with [Sportradar](#) - a global leader in protecting sports against match-fixing, doping and other integrity threats.
- **Education and Rider Welfare** - Education will be a key tool to prepare riders for the risks and consequences of competition manipulation. We will work with Sportradar to deliver workshops and education programmes that will also focus on rider welfare.
- **Anti-Doping** - we will follow all UCI anti-doping protocols and implement anti doping testing at DW events.

APPENDICES

APPENDIX I: SUMMARY OF EQUIPMENT INVESTMENT

Summary and indicative costs of the equipment DW Players are required to purchase. Where possible DW will aim to secure special prices direct with affiliated manufacturers.

ITEM	DETAILS	INDICATIVE COST
Bike	Complete standardised bike including approved components	\$3200
Helmet	Standardised helmet	\$200
Power Meter	SRM PM9 Pro	\$1700
		TOTAL
		\$5100

NOTES

- Where possible DW will aim to secure special prices direct with affiliated manufacturers.
- Equipment will be subsidised and deducted from the first competition prize money.
- Refer to the list [approved parts and components](#).