

FIA TIME WORLD LAND SPEED RECORD CALCULATION FORM

FEDERATION INTERNATIONALE DE L'AUTOMOBILE
TIME WORLD LAND SPEED RECORD CALCULATION FORM

Venue: _____

Vehicle Classification: Category _____ Group _____ Class _____

Vehicle Name: _____

Vehicle ID: _____

Measured Lap Distance: _____ ←Enter distance designator - K or M

Record Time: _____ Hour(s)

Pre Time Complete Laps: _____ ←Enter lap number with ET less than record time

Record Attempt Start Date: Day _____ Month _____ Year _____

New Record Set on - Date: Day _____ Month _____ Year _____

Attempt Day Count: _____

Attempt Car () Start Time: Hours _____ Minutes _____ Seconds _____

Time of Day-Lap X: _____

Time of Day-Lap X: _____

Elapsed time to Lap X: _____

Distance Traveled in X Laps: _____

Elapsed time-Lap X: _____

Average Speed-Lap X: _____

Partial Lap Time: _____

Partial Lap Distance: _____

Record Date: _____

Record Distances: _____

Average Speeds: _____

Chief Timekeeper

Chief Steward

VR: 5/14/2014 6:57 PM

The following information is presented to aid the user while filling in the *FIA Time World Land Speed Record Calculation Form*.

There are two types of “fields” included on the form. Each field is defined by the field background color.

FIELD COLOR	FIELD TYPE	USER ACCESS
	Data entry	Yes
	Calculated value	No

The form has been created in Microsoft Excel. If the form is protected the user will be able to negotiate from field to field using the “Tab” key after making an entry. If the form is not protected it is suggested that the user enables protection. This allows selection of fields (cells) that require user information entry and prevents accessing cells on the form where entry is not desirable.

QUICK START GUIDE

Please enter timing information as needed in the dark green field cells. If you need additional information return here and read the following pages.

Please supply the following information to enable calculation of new Time world land speed records.

In the first section, enter venue, vehicle and record information:

Venue:	<input type="text"/>		
Vehicle Classification:	<input type="text"/>	<input type="text"/>	<input type="text"/>
Vehicle Name:	<input type="text"/>		
Vehicle ID:	<input type="text"/>		
Measured Lap Distance:	<input type="text"/>	<input type="text"/>	←Enter distance designator - K or M
Record Time:	<input type="text"/>	Hour(s)	
Pre Time Complete Laps:	<input type="text"/>	←Enter lap number with ET less than record time	
Record Attempt Start Date:	<input type="text"/>	<input type="text"/>	<input type="text"/>
New Record Set on - Date:	<input type="text"/>	<input type="text"/>	<input type="text"/>
Attempt Day Count:	<input type="text"/>		

- The information for the Venue and Vehicle Name is straightforward and used to identify the venue and vehicle. The Vehicle ID field is used to identify the vehicle if more than one vehicle is participating in the attempt. This field may contain a number, color or other short identification description of the vehicle(s).
- The vehicle classification is determined by entry into the category, group and class fields.

There are currently four vehicle categories. They are defined by the alpha characters “A” – “D”. If an invalid character is entered in the Category field the background color will change to “RED”.

Vehicle Classification:	<input type="text"/>	<input type="text"/>	<input type="text"/>
Vehicle Name:	<input type="text"/>		

There are currently eighteen different vehicle groups. Sixteen groups in categories A and B defined by roman numerals, one in category C and two in category D. If an invalid (not Roman numeral or alphabetic) group designator is entered in the Group field the background color will change to “RED” (see Category example above).

There are currently twenty different classes. Eleven in category A and D defined by the numbers 1 – 11. Nineteen in category B defined by the numbers 1 – 19. Two in category C defined by “JE” and “RT”. If an invalid class designator is entered in the Class field the background color will change to “RED” (see Category example above).

While a valid entry for the category, group and class fields is checked the validity of the individual entries when the category, group and class are taken into account is not verified. In other words the characters entered into the three fields may be valid for the individual fields but the group designator may be invalid for a given category or the class designator may be invalid for the entered category and group. It is the responsibility of the user to make valid entries into all three fields.

- The Measured Lap Distance must contain the certified measurement distance of one lap of the venue. Followed by either a “K” or “M” to indicate whether the lap distance shown is in kilometers or miles.
- For the Record Time field enter a valid time of 1, 6, 12 or 24 hours. Entry of an invalid number will produce the following message: ←Acceptable Hour Records are 1, 6, 12 and 24.
- For the Pre Time Complete Laps field enter the lap number the vehicle completed with a total attempt elapsed time less than the time record being reported.
- Enter the date the record attempt vehicle started its run. Enter the day, month and year in the three separate field boxes. The year should be entered using four numeric digits.

Entry of the year using only two digits will produce the following message: ← Enter year using 4 digits

- Enter the date the record attempt vehicle reached/exceeded the record time. Enter the day, month and year in the three separate field boxes. The year should be entered using four numeric digits. Even if the two dates are the same, enter both.

Entry of the year using only two digits will produce the following message: **←Enter year using 4 digits**

- After the two dates have been entered the number of days that have passed since the start of the attempt will be displayed. With the exception of the 24 hour record this will usually be zero. A number less than “0” or greater than “1” indicates that one or more of the dates entered above is incorrect and needs review.

In this section, enter the timing information:

	Hours	Minutes	Seconds
Attempt Car () Start Time:	<input type="text"/>	<input type="text"/>	<input type="text"/>
Time of Day-Lap X:	<input type="text"/>	<input type="text"/>	<input type="text"/>
Time of Day-Lap X:	<input type="text"/>	<input type="text"/>	<input type="text"/>

- Enter the time of day the designated car started the attempt.
- Enter the time of day the car triggered the start/finish line sensor on lap X (the lap number entered in the Pre Time Complete Laps field above). The “X” character will be replaced by the number entered in the “the Pre Time Complete Laps field” field above.

If subtraction of the time of day the vehicle started the event from the time of day entered for the start/finish line sensor on lap X exceeds the record time the hour record appropriate message will be displayed:

Record Time:	<input type="text" value="1"/>	Hour(s)	
Pre Time Complete Laps:	<input type="text" value="26"/>		
Record Attempt Start Date:	<input type="text" value="01"/>	<input type="text" value="04"/>	<input type="text" value="2005"/>
New Record Set on - Date:	<input type="text" value="01"/>	<input type="text" value="04"/>	<input type="text" value="2005"/>
Attempt Day Count:	<input type="text" value="0"/>		
Attempt Car (2) Start Time:	<input type="text" value="07"/>	<input type="text" value="00"/>	<input type="text" value="1.861"/>
Time of Day-Lap 26:	<input type="text" value="08"/>	<input type="text" value="00"/>	<input type="text" value="1.862"/>
Time of Day-Lap 27:	<input type="text"/>	<input type="text"/>	<input type="text"/>

Lap 1-26 elapsed time exceeds 1 Hour(s)

- Enter the time of day the car triggered the start/finish line sensor on lap X+1 (the lap number entered in the “Pre Time Complete Laps” field above plus one lap). This will be the lap in which the record time was exceeded.

If the total elapsed time of all laps used to calculate the record distance equals less that the record time the following message will be displayed:

Record Time:	<input type="text" value="1"/>	Hour(s)	
Pre Time Complete Laps:	<input type="text" value="26"/>		
Record Attempt Start Date:	<input type="text" value="01"/>	<input type="text" value="04"/>	<input type="text" value="2005"/>
New Record Set on - Date:	<input type="text" value="01"/>	<input type="text" value="04"/>	<input type="text" value="2005"/>
Attempt Day Count:	<input type="text" value="0"/>		
Attempt Car (2) Start Time:	<input type="text" value="07"/>	<input type="text" value="00"/>	<input type="text" value="1.861"/>
Time of Day-Lap 26:	<input type="text" value="07"/>	<input type="text" value="54"/>	<input type="text" value="52.077"/>
Time of Day-Lap 27:	<input type="text" value="07"/>	<input type="text" value="57"/>	<input type="text" value="7.192"/>

Lap 1-27 elapsed time is less than 1 Hour(s)

Section 3 - Record Calculation:

Elapsed time to Lap X:		
Distance Traveled in X Laps:		
Elapsed time-Lap X:		
Average Speed-Lap X:		
Partial Lap Time:		
Partial Lap Distance:		
Record Date:		
Record Distances:		
Average Speeds:		

 Chief Timekeeper Chief Steward

Once all of the required information has been entered the record distance and speed information appearing on the form will be displayed including:

- The elapsed time from start to the record lap.
- The distance traveled from the start to the pre record time lap.
- The elapsed time for lap in which the record time was reached.
- The average speed for the record lap in which the record time was reached.
- The time from the lap start to the point at which the record time was reached.
- The distance traveled from the lap start to the point at which the record time was reached.
- The date on which the record was set.
- The record distances in kilometers and miles.
- The average speeds in Km/h and MPH for the record time.

The Chief Timekeeper and Steward must sign the form.

The following are samples of completed forms.

Sample 1 – New one hour record being set on the attempt start date:

TIME RECORD FORM			
Venue:	Venue Name		
Vehicle Classification:	Category: A	Group: III	Class: 10
Vehicle Name:	Make & Model		
Vehicle ID:	2		
Measured Lap Distance:	5.000	M	8.046 Kilos
Record Time:	1	Hour(s)	
Pre Time Complete Laps:	26		
Record Attempt Start Date:	Day: 01	Month: 04	Year: 2005
New Record Set on - Date:	Day: 01	Month: 04	Year: 2005
Attempt Day Count:	0		
Attempt Car (2) Start Time:	Hours: 07	Minutes: 00	Seconds: 1.861
Time of Day-Lap 26:	07	57	52.077
Time of Day-Lap 27:	08	00	7.192
Elapsed time to Lap 26:	3470.216	00:57:50.216	
Distance Traveled in 26 Laps:	130.000	Miles	
Elapsed time-Lap 27:	135.115		
Average Speed-Lap 27:	133.219	MPH	
Partial Lap Time:	129.784		
Partial Lap Distance:	4.802	Miles	
Record Date:	Friday, April 01, 2005		
Record Distances:	134.802 ¹ Miles	216.942 ¹ Kilometers	
Average Speeds:	134.802 ¹ MPH	216.942 ¹ KM/H	
Chief Timekeeper	Chief Steward		

Sample 2 – New twenty-four hour record being set the day after the attempt start date:

TIME RECORD FORM			
Venue:	Venue Name		
Vehicle Classification:	Category: A	Group: III	Class: 10
Vehicle Name:	Make & Model		
Vehicle ID:	Red		
Measured Lap Distance:	5.000	M	8.046 Kilos
Record Time:	24	Hour(s)	
Pre Time Complete Laps:	642		
Record Attempt Start Date:	Day: 01	Month: 04	Year: 2005
New Record Set on - Date:	Day: 02	Month: 04	Year: 2005
Attempt Day Count:	1		
Attempt Car (Red) Start Time:	Hours: 07	Minutes: 00	Seconds: 1.861
Time of Day-Lap 642:	06	58	53.309
Time of Day-Lap 643:	07	00	59.163
Elapsed time to Lap 642:	86331.448	23:58:51.448	
Distance Traveled in 642 Laps:	3210.000	Miles	
Elapsed time-Lap 643:	125.854		
Average Speed-Lap 643:	143.022	MPH	
Partial Lap Time:	68.552		
Partial Lap Distance:	2.723	Miles	
Record Date:	Saturday, April 02, 2005		
Record Distances:	3212.723 ¹ Miles	5170.376 ¹ Kilometers	
Average Speeds:	133.863 ¹ MPH	215.431 ¹ KM/H	
Chief Timekeeper	Chief Steward		