

## 2018 Rule Change Proposals for 2019 Implementation

Proposals that are presented here are open to further review and comment. Please send your comments to the Zone 8 Rules Coordinator at [ruleproposals@zone8.org](mailto:ruleproposals@zone8.org)

After this review period ends on August 10, 2018, the Z8 rules committee will deliberate and determine which proposals to move forward with. The second review and comment period will begin around September 1, 2018.

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## **AX, DE, & TT**

***NOTE:** The title of Proposal 1 has been revised at the request of the submitter.*

### **Driving Event Proposal #1 – Add CC17 Class for Cars Whose Total Points Add Up to Over 1124**

#### Description of Issue or Problem:

Currently if you classify a 2016 GT3RS with some better tires then the factory stock tires it puts the car into a CC16 class with total points adding up to 1070 (1049 is the cap for CC15 so only 20 points over). This is a stock car purchased at the dealer not a race shop without any engine or performance upgrades other than changing out the tires to a lower tread wear rating. The problem is the 2016 GT3RS is now forced to go against cars that is way out of their league. For example, Rick Levenson car which is also classified as a CC16 car but the car is a full-blown race car built at a race shop that weights 700lbs less then the GT3RS and has 2 turbos total points adding up to 1258 (188 pts over the GT3RS with better tires) which does not feel like a fair playing field. If you look at the total points for the CC16 cars they range in total points as high as 1406 and since cars have really evolved over the last few years I don't think CC16 is a high enough cap class to keep things fair. Currently if the car is a factory race car like a Cup Car or a Club Sport those cars automatically go into X class but some of these CC16 cars actually have more power and weight less than they do.

#### Proposed Solution:

Make a CC17 class with a 75-point variance from CC16 being (1050 - 1124 points).

#### How Proposal Solves the Problem:

This would help to make a more level playing field for these cars. You currently cannot classify a 2018 GT2RS since it is not listed but that is a car I believe would fall under a CC17 class due to the power rating of the car. Also, with all the new and exciting cars coming out over the next few years at your local Porsche dealer Zone8 will stay ahead of the curve with the classes because it is only a matter of time before Porsche makes more cars that from the factory will fall under the CC17 class.

## Comments:

I am in agreement that the additional classes should be added. CC16 was originally created, I'm sure, as an unlimited class for highly modified cars without the foresight that Porsche would someday be building showroom stock cars that would wind up in the category. Adding a CC17 and CC18 class with 75 point intervals probably makes sense.

## ***Driving Event Proposal #2 – Points Assessment for Late Model Rear Wheel Steering***

Description of Issue or Problem:

There is currently no points assessment for cars with intelligent rear wheel steering, however this feature is a definite advantage in both AX's and TT's.

Proposed Solution:

Create a 5 point assessment for all late model cars with intelligent rear wheel steering.

How Proposal Solves the Problem:

This change would create a fair points adder for those cars with this advantage.

Comments:

I own a car with rear wheel steering and am fine with adding 5 points for that advantage.

## ***Driving Event Proposal #3 – Eliminate Cayennes and Macans from the CC Classes***

### Description of Issue or Problem:

A couple of years ago Cayennes, Panameras, and Macans were added to the CC classes base points listings, allowing members to enter modified versions of these cars to compete in Zone AX's and TT's along with other vehicles in CC classes. To date, NO ONE is doing this. The time spent keeping track of the new versions of these cars as they come out is basically a waste of time. As it is, hardly anyone runs in SS10, the stock class for these three vehicle types.

### Proposed Solution:

Eliminate Cayennes and Macans from the CC class listings. Leave the Panameras in, as the PCA Club Racing Rules do allow for these cars to participate if they so choose.

### How Proposal Solves the Problem:

This change would eliminate unnecessary tracking of vehicles which never compete in Z8 AX's and TT's in CC classes; stock versions of these vehicles would still be allowed to compete in SS10.

### Comments:

Where would a non-stock Cayenne or Macan be classified?

Specifically my 2015 Macan has aftermarket steel springs and I've ran it in CC09 or CC10 at previous A/X events.

Would this proposal completely prohibit the use of non-stock versions of these cars or would they just be classified as "X" cars?

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This really comes down to the amount of work that there really is to track these vehicles. If no one is running modified versions of these cars then it probably makes sense.

**NOTE:** Proposals 4a-4d are intended to be considered incrementally, with each built on top of the previous proposal, in the order shown. The wording change submitted by a given proposal is shown in **RED**. The wording changes caused by the preceding proposal(s) are shown in **ORANGE**. They are being submitted incrementally rather than combined into one proposal in order to avoid all-or-none consideration.

**NOTE:** The suggested rules wording in Proposals 4c and 4d have been amended by the submitter to include a definition of electronic driving aides, shown in UNDERLINE.

### **Driving Event Proposal #4a – Required Issuance of Zone 8 Solo Permit for Solo Qualified Drivers**

#### Description of Issue or Problem:

While the Zone has a formal credential for recognizing solo qualified drivers, it is not specifically codified in rules and thus unnecessarily difficult to identify these drivers as they enter events in the various Regions of the Zone.

#### Proposed Solution:

Codify the Zone 8 Solo Permit.

*ADDITIONAL WORDING for proposed rule change:*

“VI TIME TRIAL AND DE ENTRANT PROCEDURES

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C. To encourage the learning of the criteria listed in Section VI Part A, entrants will be considered “Novice” until they have completed all of the following:

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Upon completing the Time Trial prerequisites the entrant shall be considered qualified to drive solo. **As evidence, the entrant shall be issued a Zone 8 Solo Permit, either in paper or electronic form, stored in the records of the granting Region.**”

### How Proposal Solves the Problem:

Pursuant to the Zone 8 rules, Section VI, Part E, the Zone accepts credentials from certain other PCA Zones as well as appropriate non-PCA organizations. It therefore makes sense to reciprocate by having a similar credential that introduces drivers as solo-qualified when signing up for events with various Regions within Zone 8, within other PCA Zones, as well as outside PCA. While Zone 8 has such a Permit, it is not codified in the current rules implementation, and thus most Regions neither issue them nor have a formal record of qualified solo drivers who meet all of the necessary criteria specified in Section VI, Part A of the rules. Implementing the above rule change will 1) allow for easier recognition of driver qualifications as drivers sign up for events both in and outside of the Zone, and 2) hopefully improve the diligence upon which drivers are deemed qualified to move to the "Experienced" category via the formality of a credential issuance.

### Comments:

Ok. That makes sense.

## ***Driving Event Proposal #4b – Zone 8 Solo Permit Endorsement for “DE Qualified Only”***

### Description of Issue or Problem:

Zone 8’s special permission from the PCA national office to conduct its unique form of Time Trial event, with live posting of times from all sessions, was granted contingent on maintaining significantly higher standards for entrants than what Driver Education events allow. However, the solo standards in the existing rules do not differentiate between TT and DE qualifications. Thus it is possible to qualify to solo at DE – and thus TT – events and yet not even meet the intended TT entrant standards with respect to prior experience.

### Proposed Solution:

Endorse the Permit with “DE qualified only” unless the driver has met the stricter TT experience standard.

### ADDITIONAL WORDING for proposed rule change:

#### “VI TIME TRIAL AND DE ENTRANT PROCEDURES

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C. To encourage the learning of the criteria listed in Section VI Part A, entrants will be considered “Novice” until they have completed all of the following:

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Upon completing the Time Trial prerequisites the entrant shall be considered qualified to drive solo. ***As evidence, the entrant shall be issued a Zone 8 Solo Permit, either in paper or electronic form, stored in the records of the granting Region. The Permit shall be endorsed with “DE qualified only” unless the driver has met the stricter TT experience standard.***

### How Proposal Solves the Problem:

Right now it is possible to be moved to the “Experienced” category by participating in as little as 4 performance driving days (Section VI, Part C(1)(a)(i)). However, TT participation is not allowed until a “...driver is qualified to solo OR has at least 8 days of total event experience comprised of Autocross, Driving School, or Driver’s Ed events (or the equivalent) within the previous

24 months." While it makes sense that a minimum of 8 performance driving days are required to enter a TT, and the entrant would then be considered a "Novice" or student, it is technically possible for a driver with just 4 DE days to meet the current rules and drive solo at a TT. This both violates the national office's requirement and is unsafe and thus should not be allowed. The proposed endorsement will rectify this issue.

Comments:

Currently you cannot solo drive unless your instructor gives recommendation and signs you off, and CDI goes on a test drive with you which I believe has been a good way to make sure a driver is ready for solo driving since we have very good instructors and excellent CDI's.

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Ok. That makes sense.

## **Driving Event Proposal #4c – Zone 8 Solo Permit Endorsement for “Electronic Aides Required”**

### Description of Issue or Problem:

Late model Porsches have extremely sophisticated electronic driving aids that enable even the least experienced driver to pilot the car in a fashion that potentially gives a false sense of driving skill. Combined with the ever increasing horsepower of these cars, this false sense can lead to very dangerous situations if the driver and/or Event Chairperson are unaware of the driver’s true capabilities.

### Proposed Solution:

Endorse the Permit with “Electronic aides required” unless the instructor signed-off DE or Time Trial days used to qualify for the Permit were completed in a vehicle either without electronic aids or by turning off all electronic aids that can possibly be turned off.

### ADDITIONAL WORDING for proposed rule change:

#### “VI TIME TRIAL AND DE ENTRANT PROCEDURES

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C. To encourage the learning of the criteria listed in Section VI Part A, entrants will be considered “Novice” until they have completed all of the following:

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Upon completing the Time Trial prerequisites the entrant shall be considered qualified to drive solo. ***As evidence, the entrant shall be issued a Zone 8 Solo Permit, either in paper or electronic form, stored in the records of the granting Region. The Permit shall be endorsed with “DE qualified only” unless the driver has met the stricter TT experience standard. The Permit shall be endorsed with “Electronic aides required” unless the instructor signed-off DE or Time Trial days used to qualify for the Permit were completed in a vehicle either without electronic driving aids (defined as electronic control systems, intended to be driver-switchable, that when turned on have the ability to automatically alter the speed and/or path of the vehicle from what it/they would be if those systems were turned off, given identical driver inputs) or by turning off all electronic driving aids that can possibly be turned off.”***

## How Proposal Solves the Problem:

Endorsing a driver's Zone 8 Solo Permit with a notation that they have been qualified to drive solo only if electronic aids are in place should enhance safety by avoiding the situation where a driver who has only driven with such aids attempts to drive a car without them. Drivers wishing to remove the endorsement will thus be motivated and required to re-learn performance driving skills from the ground up, which will improve the all-around skill set of those PCA members.

## Comments:

To begin with how can you even enforce a rule like this since a solo driver at any time can turn off his TC/ESC without anyone knowing, and to encourage someone to drive without these safety features sounds like a recipe for disaster. People should be able to turn these safety features off as they feel more comfortable with the car not just to get a stamp in their log book.

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As an owner of a 2015 GT3 with all of the electronic aides (aka "nannies"), and as an instructor who has instructed drivers with these types of cars, I actually see some validity to the proposal. However, I think that it doesn't get at the true problem. I think that it might be better if the rules were modified to require that all cars equipped with the nannies have the nannies turned on during any performance driving event unless the driver has been specifically checked out, and the permit endorsed, to drive the car with the nannies off. The permit should specifically state that the driver has been endorsed to drive the specific car with the nannies turned off. Also, I'm only suggesting that this apply to new drivers, or drivers with new high performance cars. I'm not suggesting that already permitted drivers of these cars, who have proven themselves, need to be checked out if they want to turn the nannies off. My concern is really focused on the new driver of a high performance car who could pose a danger if the nannies were turned off and the driver was unaware of the potential changes in the behavior of the car as a result.

The way the proposal reads it would allow a driver that has been checked out in a lower power, non-nanny car, to jump into a GT3 or GT3 RS and drive it with the nannies off without proving that he or she is capable of doing so.

Thus, I am against the way the proposed rule is currently written.

## **Driving Event Proposal #4d – Drivers Using Electronic Aids Must Place an “N” Across the Rear Window**

Description of Issue or Problem:

Drivers who have only learned performance driving skills in cars with sophisticated electronic driving aids are potentially dangerous should they disengage such aids without formal instruction and retraining.

Proposed Solution:

Require all Novice drivers using electronic aids as well as all Experienced drivers whose Permits have the “Electronic aides required” endorsement to place an “N” across their rear window.

ADDITIONAL WORDING for proposed rule change:

“VI TIME TRIAL AND DE ENTRANT PROCEDURES

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C. To encourage the learning of the criteria listed in Section VI Part A, entrants will be considered “Novice” until they have completed all of the following:

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Upon completing the Time Trial prerequisites the entrant shall be considered qualified to drive solo. *As evidence, the entrant shall be issued a Zone 8 Solo Permit, either in paper or electronic form, stored in the records of the granting Region. The Permit shall be endorsed with “DE qualified only” unless the driver has met the stricter TT experience standard. The Permit shall be endorsed with “Electronic aides required” unless the instructor signed-off DE or Time Trial days used to qualify for the Permit were completed in a vehicle either without electronic driving aids (defined as electronic control systems, intended to be driver-switchable, that when turned on have the ability to automatically alter the speed and/or path of the vehicle from what it/they would be if those systems were turned off, given identical driver inputs) or by turning off all electronic driving aids that can possibly be turned off. An “N” will be placed across the rear window of all Novice drivers using electronic aids as well as all Experienced drivers whose Permits have the “Electronic aides required” endorsement.*

## How Proposal Solves the Problem:

In the same way that Novice drivers are required to place an "X" across the rear window of their car per Section VI, Part D(5) so that other drivers are aware of their developing skill set, drivers with the "N" marking on the rear of their car increase safety by letting those around them know that they may not have the same skill set as a driver who is not utilizing or required to utilize electronic aids, should such aids fail, and, in the case of those with a Zone 8 Solo Permit carrying the "Electronic aids required" endorsement, that such electronic aids are required to be on at all times. Those who violate such endorsement will likely be easy to spot and report, thereby increasing safety for all. "N" (as in "Nanny") was chosen as it can be created easily with just three pieces of tape.

## Comments:

You want people you drive with an N on their car because they use their TC/ESC? To begin with this is not a current issue and does not solve or help anything moving forward other than to mock people who drive with these SAFTEY features on. If anything, it should be the opposite where a car with NO TC/ESC safety features should have a big NO on the back of there cars since it seems those are the cars going off track more often and should be able to warn others of their danger. Let me also add that the N for "Nannies" is a derogatory term referring to a car that takes no driver skill to drive since the car is driving itself with the "Nannies".

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This proposal is just plain silly. Let's not even go down that road.

**NOTE:** Some of the text of Proposal 5 has been amended by the submitter to include some clarifications, shown in UNDERLINE.

**Driving Event Proposal #5 – Separate Performance Package Points Assessment for 997.2/991 GT2RS and GT3RS**

Description of Issue or Problem:

Section III, Part FF levies 60 points for the factory performance packages included in the 996/997/991 Turbo, GT2, GT3 and the 981 GT4. However, the 997.2 and 991 GT2RS and GT3RS versions have more track-oriented upgrades than all the other models but gets the same points assessment as the lesser cars. In both series, the “RS” versions have enhanced downforce (both front and back) as well as shorter final drive gearing (3.89 vs. 3.44 for the 997.2 and 4.19 vs. 3.97 for the 991), which enhances acceleration.

Proposed Solution:

Create a separate 100 points assessment for the 997 and 991 GT2RS and GT3RS.

“III ASSESSMENT OF POINTS

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FF. Cars equipped with a 996/997/991 Turbo/GT2/GT3 **(exc. 997.2/991 GT2RS/GT3RS)**

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***GG. Cars equipped with a 997.2/991 GT2RS or GT3RS performance package (to a 997.2 or 991 respectively) (springs, struts/shocks, sway bars, brakes, aero, gearing) in its entirety with original factory parts (at the factory or after the fact). (Not applicable if equipment is removed and replaced with aftermarket parts. If any of the suspension/brake/aero/transmission components [sway bars, springs, shocks, brakes, splitters/wing/body components, transmission components] are replaced with points-assessed parts, the performance package points assessment may not be taken, and separate a la carte points for any upgrades over the base model must be taken.)***

**100**

## How Proposal Solves the Problem:

The "RS" versions of these cars has more downforce-creating aero (in the form of front-end modifications and a larger and higher rear wing) and shorter final drive gearing than the standard versions. The aero package is much closer to a pure track car with aftermarket aero (which would be a 40 point assessment). Lower gearing would normally be another 40 point assessment. Assessing these cars 100 points instead of 60 points would make the "discount package points" fairer for the cars with less factory upgrades.

## Comments:

To begin with there is no differences in gear ratio which can be looked up on Car and Drive where it shows all gear ratios for both cars. The down force on the 991.1 RS is fully achieved at 150mph and since we don't go to many tracks where we can even hit 150mph, it is a moot point. Actually one could argue that the larger wing on the RS might even create more drag compared to the GT3 which would not be a positive add to the tracks we go to.

There really isn't that much different between a GT3 and a RS, 0 to 60 on a GT3 is 3.1, on an RS, it is 3.0. The main difference between them is 25HP, and there is only a 20lb difference in weight. A GT3 is a class lower then the RS at CC14 where a stock RS is CC15, and with better then stock tires are CC16 so according to zone8 point system the RS is already considered a higher level car then the GT3. One major advantage the RS DOES have over the GT3 is being able to put bigger tires on them, but get penalized for the wider tires by quite a few points.

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If the GT3 RS is already classified, under the classification system, as a higher point car than the equivalent GT3 then there really is no reason to add additional points.

## ***Driving Event Proposal #6 – “E” Suffix Required for All Classes When Using or Required to Use Driver Switchable Electronic Driving Aids***

### Description of Issue or Problem:

Late model Porsches have extremely sophisticated electronic driving aids that enable even the least experienced driver to pilot the car in a fashion that potentially provides an advantage so great, no amount of Performance Equipment Points can compensate fairly for this advantage, thus making the current classification system unfair when such aids are utilized in competition. Complicating the issue even more is the fact that the less experienced the driver, the more valuable the electronic driving aids are in terms of effective performance boost.

### Proposed Solution:

Require appending an “E” suffix to classes SS01-10 and CC01-16 for drivers in cars with such systems either required to be or optionally turned on.

*ADDITIONAL WORDING for proposed rule change:*

“II DRIVING EVENT CLASSES

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***F. Drivers either choosing to use electronic driving aids (defined as electronic control systems, intended to be driver-switchable, that when turned on have the ability to automatically alter the speed and/or path of the vehicle from what it/they would be if those systems were turned off, given identical driver inputs) or required to use them per an endorsement on their Zone 8 Solo Permit, shall have their own classes and be required to register for one of these classes, appending an “E” suffix to what would otherwise be SS01-10 or CC01-16, as appropriate.***

### How Proposal Solves the Problem:

Recent advances in electronic control systems now allow drivers with very little performance driving experience to achieve lap times that are mere seconds away from a professional driver in the same car driving without such systems. If these systems were turned off, but the inexperienced driver received no additional instruction, their lack of skill would immediately become evident (potentially in a dangerous way) and their lap times would fall dramatically at

best. This is especially true in the most recent Porsche GT models, which run in high classes even in a stock configuration. These cars compete directly in classes that also have, for example, heavily modified early model Porsches with no driver-switchable interventional control systems whatsoever.

Section II, Part B begins as follows:

“Car classification serves two purposes. The first is fairness in competition through grouping together cars with similar performance characteristics.”

The intent of the classification system is therefore to group cars within a class that are supposed to perform more or less comparably. This leaves only driver skill as the remaining variable, with skill level being determined for competitive purposes via lap times. However, since actual skill level is potentially masked in a dramatic way in late model Porsches with electronic driving aids turned on, there is simply no longer any fair way to compensate via Performance Equipment Points for the advantage these systems provide to a less experienced driver, who otherwise may very well not even be able to complete a single lap safely at competition speed.

Ask yourself, if the same late model GT car were available with a fully self-driving option, but the same performance characteristics otherwise, would you consider it fair to run it in the same class it would run in without the self-driving option? Clearly the answer is no, as a well-programmed self-driving car would beat the competition every time, when put up against an otherwise identical car without any driver-switchable electronic driving aids. While a full self-driving option intended for track use is not currently available, the technology that is available has now evolved to such a level that our existing classification system can no longer achieve its goal of fairness in competition by simply grouping together cars with similar performance characteristics, because with late model electronic driving aids in place, lap times no longer necessarily reveal actual driver skill. As a result, drivers running in cars with these systems either required to be or optionally turned on need their own classes so they do not unfairly disadvantage those who are driving without such aids.

While this proposal would potentially double the number of classes, it is expected that most “E”-class drivers who decide to commit to a competitive driving series within the Zone will wish to undertake additional instruction in order to migrate to the non-“E” classes. This is because of both the larger number of participating drivers and the truly fair competition that only the non-“E” classes can provide. A positive side effect of this is that the Zone’s competitive driving programs will be brought into alignment with PCA National’s mission statement for high performance driver education. From <https://www.pca.org/driver-education> (emphasis added):

“The mission and purpose of the Porsche Club of America's Driver's Education Program is to provide a safe, structured and controlled teaching and learning

environment. The PCA DE Program is designed so that participants can improve their driving abilities and acquire a better understanding of vehicle dynamics and driving safety. Participants will experience first-hand the capabilities of high performance automobiles in a controlled, closed-course environment and acquire skills that will enhance safer vehicle operation in all driving situations.”

## **Driving Event Proposal #7 – Add CC17, CC18, CC19 and CC20 Classes at 75 Point Increments**

### Description of Issue or Problem:

Currently if you classify a 2016 GT3RS straight off the showroom floor you are at 1029 points (CC15) but with slightly larger Hoosier DOT track tires (A very easy and popular option for cars coming to the track) it puts the car into a CC16 class with total points adding up to 1130. 1049 is the cap for CC15 so it is already 81 points over and 6 points into the theoretical CC18 class. This is a stock car purchased at the dealer not a race shop without any engine or performance upgrades other than changing out the tires to a lower tread wear rating and adding a few millimeters in width. When I decided to write this proposal to augment an existing CC17 proposal I thought we would need a CC17 and a CC18 class upgrade to be proactive because Porsche only makes cars that go faster than the previous ones, not slower. But after doing some research on the Zone-8 classification site I was stunned to find we already have enough cars to populate through CC-20 with a total of 65 cars sharing 4 classes!

Numbers of current cars registered on the Zone-8 classification site that would fall into the CC-16 through CC-20 proposal.

<b>Proposed Class</b>	<b>Total Points Range</b>	<b>Number of cars represented on the Z-8 classification site as of 6-30-18.</b>
CC16	(1050-1124) points.	26
CC17	(1125-1199 points).	16 cars
CC18	(1200-1274 points).	7 cars
CC19	(1275-1349 points).	6 Cars
CC20	(1350 points and greater).	10 cars

### Proposed Solution:

Make a CC16 class with a 75-point variance from CC15 being (1050-1124).  
 Make a CC17 class with a 75-point variance from CC16 being (1125-1199).  
 Make a CC18 class with a 75-point variance from proposed CC17 being (1200-1274 points).  
 Make a CC19 class with a 75-point variance from proposed CC18 being (1275-1349 points).  
 Make a CC20 class with a 75-point variance from proposed CC19 being (1350>points).

## How Proposal Solves the Problem:

This would help to make a more level playing field for these heavily pointed cars. Currently CC16 cars in Zone 8 have a 643 point spread in class; that is the same as CC01-CC09! You currently cannot classify a 2018 GT2RS since it is not listed but that is a car I believe it would end up with about 1225 points due to the power rating of the car; which would be CC-18 for this 100% stock car. Also, with all the new technology coming out over the next few years Zone8 will stay ahead of the curve with the classes because it is only a matter of time before Porsche makes more cars that from the factory will fall under these additional classes; and that is not even speaking of the modifications people can't resist from making.

## ***Driving Event Proposal #8 – Allowing Different Restraint Systems for Driver and Passenger***

Description of Issue or Problem:

Currently the PCA Rules State that For Time Trial and DE, both Student and instructor shall have the same type of restraint system (Page 25 XIII A).

This is a great in theory. Ideally we would like our instructors to have the same level of safety as our drivers. However, in reality this is not the case. And unfortunately wearing a harness that is positioned incorrectly can be extremely dangerous.

There are at least three concerns with installing a race seat and 5/6 point harness in a passenger seat to match the one installed for the driver.

1. Mounting of the Restraints to the Vehicle and the Positioning of the Restraints on the Driver/Passenger.
2. Seat Mount Range of Forward/Backward Movement.
3. Lack of Neck Restraints with wearing a harness.

There are many articles written about installing the restraints and how to properly position them. There are multiple ones from the manufactures of the seats/harnesses (Simpson, Sparco, Schroth, etc.) We can assume they have spent considerable time and money analyzing data to provide drivers a safe product. We should be able to trust their research. Bottom line, the positioning of the shoulder strap is critical. If too low they can compress the drivers spine. If too high, the driver can slide up if the car is overturned. When a seat/harness is installed by a professional company it is fitted to the driver. This includes a variety of factors, not just the shoulder strap. Obviously, this is not the case of the passenger. Most often the passenger is an instructor. They are jumping in an unknown car set up most likely the same as the drivers. Obviously, instructor/driving pairing is not done by physical size matching. The driver should not be penalized for upgrading his/her seat and harness by limiting the instructors that can fit safely in their car.

The Seat Mount/Rails: Most Porsche owners do not want to drill holes in the body of their non-race car. Thus the seat bases for after market seat bases must be installed in the existing factory holes. If you are short, the seat needs to be able to go as far forward as necessary. If you are tall, the seat needs to be pushed back as far as possible. Lucky you, if you are average height. If a larger person manages to squeeze themselves in the passenger seat, they are extremely uncomfortable. This is not an ideal situation for concentrating on a track. In addition, their knees are bunched up touching the glovebox. One good sudden brake and it will be catastrophic for the knees.

There is data that supports that racing harnesses are very unsafe without the use of a proper neck restraint. A well know driver, Dale Earnhart Sr, died from a crash without wearing a HANS type device. The harnesses keep your body in place in a crash, but your head is forced forward at the speed of the crash which is can be deadly with the hyper extension on your neck.

#### Proposed Solution:

PCA should allow the driver to add his/her safety seat and harness without requiring the same configuration for the passenger.

#### How Proposal Solves the Problem:

Porsche has obviously spent numerous hours developing a seat that fits a variety of body types. You can move the seat forward and backwards to utilize the maximum allowable space. This works in conjunction with the airbag. Factory seat belts have a bit of give in the event of a crash, so you can go into your air bag and your neck doesn't hyper extend. This configurations would seem to be safer than a race seat/harness that has not been adjusted safely. It would also allow instructors of all sizes to right seat.